

paperID	Presenting Author	Title	Status	Session
1068	Aakko-Saksa, Päivi Tellervo	Polyaromatic hydrocarbons in particulate matter and semi-volatile compounds emissions from diesel engine when using conventional and renewable fuels	Oral	Aerosols from combustion of novel fuels
600	Aarne, Aino	Clouds effect on photosynthesis in boreal forest	Poster	Posters and Exhibition (II)
1051	Abomailek, Nabil	Morphological study of aerosol-phase nanowire agglomerates and their implications on gelling kinetics	Oral	Aerosol growth and evaporation, agglomeration, fragmentation, material synthesis and filtration
436	Abou Hamad, Mehdi Mohammad	Are green spaces an effective way of removing air pollution in urban area of Beirut	Oral	Air pollution in low-income countries
767	Abrahamsson, Camilla	Airborne emissions of nano-silica during bag dumping in a factory setting	Oral	Occupational exposures
910	Acharja, Prodip	Probing into the Complexity of Wildfire Plumes in Urban Areas: Insights from the 2022 French Wildfires	Oral	Physico-chemical properties of atmospheric aerosols (I)
719	Adib, Mohammad	Morphology and yield of carbon black made by pyrolysis of methane in a shock tube	Poster	Posters and Exhibition (I)
1040	Adib, Mohammad	A robust process design tool for production of carbon black from pyrolysis of hydrocarbons	Poster	Posters and Exhibition (II)
805	Adyanis, Latonia Nur	Brominated Persistent Organic Pollutants Scavenged Through Cloud/Fog Water During the Northeastern Monsoon Season	Poster	Posters and Exhibition (III)
595	Agathokleous, Stefanos	Air quality in a bus depot microenvironment and ways of improving it	Oral	Exposure in specific microenvironments
816	Aggarwal, Sneha	Physicochemical properties of nascent versus aged sea spray aerosol – A study from the eastern North Atlantic Ocean	Oral	Physico-chemical properties of atmospheric aerosols (II)
151	Agranovski, Igor	Bioaerosol release from bathroom plumbing fixtures	Oral	Biological and toxicological responses
499	Agro', Myriam	New particle formation at an urban site: the case study of Milan	Oral	The Po Valley open air-laboratory: lessons learned and current challenges (I)
536	Agro', Myriam	Insight on new particle formation at the high-altitude Izaña Atmospheric Observatory (2367 m a.s.l.)	Oral	New particle formation (III)
909	Ahmad, Rida	Characterization of Bioaerosols and Particulate Matter (PM) in Residential Settings of Asthmatic Patients of Lahore, Pakistan	Poster	Posters and Exhibition (II)
830	Ahmad, Sajid Rashid	Spatio-Temporal Trend Analysis of Particulate Matter in Lahore	Poster	Posters and Exhibition (I)
828	Ahmad, Usman	Assessment of particulate pollution on roads in Lahore	Poster	Posters and Exhibition (I)
304	Ai, Jingui	In situ printing of high-entropy alloy nanoparticles into nanoarchitectures	Oral	Aerosol synthesis and deposition by spark ablation
278	Aktypis, Andreas	Formation and chemical evolution of SOA in two different environments: A dual chamber study	Poster	Posters and Exhibition (III)
316	Al Kaderi, Raafa	Particle Emissions from Representative Railway Braking Systems: A Comprehensive Study of Size Distribution and Chemical Composition at Two Scales	Oral	Aerosol emissions from brake/tyre wear & non-mobile sources
157	Al Mawla, Reem	Investigation in simulation chambers of the ozonolysis of prenol, a second-generation biofuel Atmospheric reactivity and health effects	Oral	Homogeneous, heterogeneous and multiphase chemistry, secondary aerosols (II)
122	Albinet, Alexandre	Evaluation and characterization of primary and secondary particle emissions of pellets, logwood, and oil residential heating appliances	Oral	Homogeneous, heterogeneous and multiphase chemistry, secondary aerosols (II)
325	Albinet, Alexandre	Acellular oxidative potential and intracellular oxidative stress (Nrf2 activation) induced by polycyclic aromatic hydrocarbon (PAH) and furan secondary organic aerosols (SOAs)	Oral	Oxidative potential of aerosol particles and health risks
826	Alfarra, M. Rami	An Air Quality Supersite in an Urbanized Arid Region: Enabling Policymaking and Quantifying the Impact of Dust and Anthropogenic Pollution on Human Health	Oral	Measurement techniques for ambient aerosols

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672	Ali, Umer	Unraveling the dynamics of atmospheric interactions: A one-year study of particle size distribution, chemical composition, and meteorology in a complex urban site like Delhi	Oral	Physico-chemical properties of atmospheric aerosols (I)
539	Ali, Umer	Unveiling Delhi's Haze: Analysing Aerosol Liquid Water Content and Its Visibility Impact	Poster	Posters and Exhibition (I)
602	Ali, Zahid	M.H. collected and analyzed the whole data, and wrote the original manuscript; K.U. provided datasets and helped in plotting datasets in Linux, and improved the manuscript; S.N. reviewed the strategy and improved the manuscript, and Z.A. designed the strategy, reviewed the manuscript, and supervised the project.	Poster	Posters and Exhibition (II)
813	Ali, Zulfiqar	Characterizing the exposure to particulate pollution under varying congestion scenarios in Lahore	Poster	Posters and Exhibition (I)
985	Aliaga, Diego	Volcanic degassing enhances New Particle Formation intensity in the Andes	Oral	New particle formation (III)
317	Alinaghypour, Behnaz	Characterization of human respiratory particles using scanning electron microscopy	Poster	Posters and Exhibition (II)
699	Allan, James Donald	Probing transient emissions and SOA from non-ideal operation of a modern wood stove	Oral	Apportionment of biomass combustion and fires
879	Allan, James Donald	Apportionment of metals and black carbon in the UK at the Manchester urban supersite	Oral	Air quality supersites
269	Allouche, Yamina	Chemical characterization of Carbonaceous Species in PM <sub>2.5</sub> at an urban site in northern France	Oral	Chemical characterization of carbonaceous aerosols
271	Allouche, Yamina	Source apportionment of fine particles at an urban site in northern France	Oral	Sources and source apportionment of atmospheric aerosols (VII)
665	Almeida, Joao	Ion-Ion Recombination in the CERN CLOUD experiment	Poster	Posters and Exhibition (I)
1117	Almeida, S. Marta	Assessing Black Carbon and Ultrafine Particle Exposure in Children Living in the Vicinity of Lisbon Airport	Poster	Posters and Exhibition (II)
298	Almog, Roy	Optimized reconstruction of adhesion force profile from resuspension measurements using the Rock'n'Roll model	Poster	Posters and Exhibition (I)
327	Alunni, Aurélie	Characterization of an enhanced alveolar epithelium model and exposure to polycyclic aromatic hydrocarbon (PAHs) secondary organic aerosols (SOAs) at the air-liquid interface (ALI)	Oral	Toxicity of aerosols: exploring air-liquid interface exposure
822	Álvarez Losada, Óscar	Aerosol properties derived from ground-based Fourier transform spectra within the COLlaborative Carbon Column Observing Network	Poster	Posters and Exhibition (III)
832	Álvarez Losada, Óscar	Designing a pan-African climate observation system to deliver societal benefit through climate action: The KADI Project	Poster	Posters and Exhibition (III)
971	AlverŞahin, Ulku	Nano Particulate Matter Size Distribution at central urban and urban background sites in autumn in Istanbul	Poster	Posters and Exhibition (III)
975	AlverŞahin, Ülkü	Long Term Temporal Trend of Air Pollution in Istanbul	Poster	Posters and Exhibition (II)
701	Amanatidis, Stavros	Development and characterization of a low-pressure Spider-MAGIC mobility particle sizer	Poster	Posters and Exhibition (I)
866	Amato, Fulvio	Non-exhaust emissions comparison between an electric vehicle and its plug-in hybrid and gasoline counterparts.	Poster	Posters and Exhibition (III)
680	Andrews, Elisabeth	Assessing surface and column aerosol persistence using lag-autocorrelation analysis at four long-term observatories	Poster	Posters and Exhibition (III)
687	Andrews, Elisabeth	Models, In situ, and Remote sensing of Aerosols (MIRA)—An International Working Group	Poster	Posters and Exhibition (III)
268	Antossian, Cynthia	Photolytic versus oxidant driven organic aerosol aging	Poster	Posters and Exhibition (III)

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752	Archer, Elizabeth J.	Airborne Antimicrobial Resistance: comparing the respiratory microbiome of hospital workers with the surrounding airborne resistome	Oral	Human exposure and health studies; medical and therapeutic applications
572	Arffman, Anssi	Urban air secondary pollution potential in two Finnish cities measured with a new oxidation flow reactor (DOFR)	Poster	Posters and Exhibition (I)
588	Argaman Meirovich, Or	Sea Surface Microlayer Mediated Exchange Between the Aerobiome and the Pacific Ocean	Oral	Bioaerosols (I)
750	Argamino, Cristian Ryan Arbolado	Observation of phthalate esters (PAE) in urban PM2.5 from Brazil and assessment of their toxic effects on human lung cells	Poster	Posters and Exhibition (II)
686	Artaxo, Paulo	Insights into Vertical Variations of Amazonian Wet Season Aerosols	Oral	Sources and source apportionment of atmospheric aerosols (VI)
681	Artaxo, Paulo	Vertical differences in the aerosols' intensive optical properties in Central Amazonia	Poster	Posters and Exhibition (III)
1052	Asakawa, Daichi	Effects of ozone exposure during sampling on atmospheric organic compounds	Oral	Chemical characterization of carbonaceous aerosols
603	Asbach, Christof	Indoor emissions of wood-burning stoves	Oral	New measurement techniques and novel studies (I)
930	Asbach, Christof	Possibilities for measuring lung deposited surface area concentration with a Grimm MiniWRAS	Oral	New measurement techniques and novel studies (II)
538	Asgher, Rabbia	Furan in Focus: Experimental Insights into Atmospheric Autoxidation from MION Orbitrap Mass Spectrometer	Poster	Posters and Exhibition (I)
578	Ashu, Taiwo Adewumi	Analysis of airborne particulate matter in Lagos, Nigeria: a modelling perspective	Poster	Posters and Exhibition (III)
576	Ashu, Valery	Optimisation of Reaction Rates from Autoxidation Chemistry	Poster	Posters and Exhibition (I)
967	Asplund, Julia Helena	Investigating the presence of fluorescent primary biological aerosol particles at the North Pole	Oral	Aerosols and clouds in polar regions (I)
591	Atabakhsh, Samira	Source apportionment of 10-year time series of PM1 composition at a central European research station, Melpitz	Oral	Sources and source apportionment of atmospheric aerosols (IV)
1077	Atashi, Nahid	IMPACT OF ELECTRIC VEHICLES ON AEROSOL PARTICLE CONCENTRATIONS IN A PLANNED NEIGHBORHOOD IN HELSINKI AS SIMULATED USING LARGE-EDDY SIMULATION	Poster	Posters and Exhibition (III)
329	Aurela, Minna	Composition and sources of trace elements at two urban environments in Helsinki, Finland	Oral	Sources and source apportionment of atmospheric aerosols (V)
272	Azizbaig Mohajer, Mercede	Interfacial Mass Transfer of Water between the Gas Phase and Organic Aerosol Droplets	Oral	Aerosol-surface interactions and data-driven modeling of aerosol processes
1017	Bachmeier, Franziska	Seasonal MAC determination, long-term comparison of different BC measurement methods and long-term trend evaluation of BC at German background monitoring stations.	Poster	Posters and Exhibition (III)
537	Backes, Anna Theresa	Reaction mechanism and kinetics of protein modification by air pollutants and its suppression by antioxidants	Poster	Posters and Exhibition (II)
287	Bae, Min-Suk	Toxicity Assessment and Comparative Analysis of PM1.0 and PM2.5 Analysed by DTT and PAHs	Poster	Posters and Exhibition (II)
288	Bae, Min-Suk	An Inter-Laboratory Comparison of Elemental Loadings in PM Samples Using Energy-Dispersive X-ray Fluorescence and High-Resolution Inductively Coupled Plasma Mass Spectrometry	Poster	Posters and Exhibition (II)
289	Bae, Min-Suk	Seasonal Characteristics of Secondary Inorganic Aerosol Formation Rates in Agricultural Fields of Jeollabuk-do, Republic of Korea	Poster	Posters and Exhibition (II)
103	Balendra, Shaamrit	Condensation particle counters: Exploring the limits of miniaturisation	Oral	Measurement and calibration techniques for number concentration measurements

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656	Balotti, Andrea	Analysis of daytime precipitable water vapour time series in L'Aquila (Italy) with long-term sun-photometer and radiosondes data	Poster	Posters and Exhibition (I)
893	Bandeira, Lucas	Machine Learning Interatomic Potentials For Atmospheric Chemistry	Poster	Posters and Exhibition (I)
1047	Barber, Ethan Alan	A New Approach for an Aerosol Humidity Conditioning System to Study (RH) Measurements	Poster	Posters and Exhibition (I)
459	Barreira, Luis M.F.	Chemical composition and light-absorption properties of brown carbon in residential and traffic environments	Oral	Optical Properties of Black and Brown Carbon
481	Barua, Shawon	Rapid formation of aerosol precursors from the autoxidation of aromatic carbonyls and the enhancing influence of NO addition	Oral	Smog chamber and flow tube simulations and experiments
1105	Baruah, Arunik	A novel spatiotemporal prediction approach to fill data gaps of low cost particulate matter sensors using machine learning techniques	Poster	Posters and Exhibition (I)
461	Basnet, Satish	Efficiency of electrostatic precipitator for removal of hydrogen gas and iodine particles in different atmospheres simulating severe accident scenarios	Poster	Posters and Exhibition (II)
465	Basnet, Satish	Estimating BrC emissions from residential wood combustion	Poster	Posters and Exhibition (I)
762	Bauer, Michael	Characterization of Urban Gas and Particle Phase Pollution Sources through Mobile Measurements in Sarajevo	Poster	Posters and Exhibition (III)
178	Beckmann, Hannah Magdalena	Advancing Atmospheric Chemistry Research: Utilizing IMS-TOF-MS for Investigation Isomeric Influence of VOC Oxidation and HOM Formation Pathways	Poster	Posters and Exhibition (I)
669	Bedia, Carmen	Firefighters exposure to aerosols: unveiling neurotoxic effects through brain cell models	Oral	Health effects of aerosols (I)
675	Bellini, Annachiara	Multi-annual analysis of continuous aerosol vertical profiles in Alpine, Urban, and Maritime sites of the Italian Automated Lidar-Ceilometer network Alicenet	Poster	Posters and Exhibition (III)
484	Ben Shlomo, David	Introducing surface roughness in adhesion for stochastic and Rock'n'Roll models to describe particle resuspension in turbulent flows	Poster	Posters and Exhibition (I)
1078	Bendl, Jan	Mobile PM measurements for effective assessment of the impact of maritime traffic on air quality in harbour cities, example from Wamemünde	Oral	Marine and aviation aerosol emissions
779	Berger, Simon	Investigation of ventilation concepts for the elimination of potentially infectious aerosol particles in relation to energy efficiency	Oral	Biological and toxicological responses
1096	Berger, Vinicius	Tandem DMA Analysis of Silver Particle Sintering and its Effect on CPC Counting Efficiency	Oral	Monitoring and control of aerosol physicochemical properties
321	Bergman, Fanny	Recovery of Metals from Municipal Waste Incineration Fly Ash	Oral	Aerosol emissions from brake/tyre wear & non-mobile sources
1037	Bergman, Tommi Richard	Development of HAM-M7 aerosol module within OpenFS 43r3	Poster	Posters and Exhibition (III)
233	Bergner, Nora	Climate-relevant aerosol and high latitude dust properties in southern Greenlandic outwash plains	Poster	Posters and Exhibition (II)
1061	Bergomi, Andrea	Oxidative potential measurements: a one-year sampling campaign in the city of Milan, at the heart of the Po Valley	Poster	Posters and Exhibition (III)
630	Bergqvist, Saga	Combined multi-wavelength thermo-optical analysis and Raman spectroscopy for characterization of flame soot	Oral	Optical Properties of Black and Brown Carbon
396	Berkemeier, Thomas	Chemical kinetics modelling of high-temperature soot particle oxidation and gasification by nitrogen oxides and oxygen	Poster	Posters and Exhibition (II)
831	Bermeo, Marie	In-situ laser-imaging reveals the catalytic activity of engineered aerosols	Oral	Optical measurement techniques

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886	Bermeo, Marie	Engineering aerosol nanocatalysts: nanoparticles and nanowires	Oral	Applications of aerosol technology in catalysis and energy storage
174	Bertani, Frederick	Improving the Evaporative Light Scattering Detector with Experiments and Modelling	Poster	Posters and Exhibition (I)
299	Berthelot, Brice	Integration of low-cost particles and gas sensors on fixed-wing micro UAV	Poster	Posters and Exhibition (III)
105	Bettineschi, Manuel	Implication of the Russo-Ukrainian war on northern Italy air quality	Poster	Posters and Exhibition (III)
571	Bezaatpour, Mojtaba	Investigating Xylene's Potential for Secondary Organic Aerosol Formation: A Modelling Approach	Poster	Posters and Exhibition (I)
516	Bezantakos, Spyros	Development and Performance Assessment of a Cost Effective Parallel-Plate Differential Mobility Analyzer	Poster	Posters and Exhibition (I)
754	Bianchi, Federico	Chasing pre-industrial aerosols around the globe	Oral	New particle formation (III)
716	Bianchi, Federico	New particle formation mechanism in the highly polluted Po Valley, Italy	Poster	Posters and Exhibition (III)
799	Bichon, Jeyan	Single-particle morphological and chemical characterization of Gobi Desert dust	Poster	Posters and Exhibition (III)
804	Bichon, Jeyan	Characterization of desert dust aerosols by TeraHertz Time Domain Spectroscopy	Poster	Posters and Exhibition (III)
714	Bieber, Paul	High-speed cryo-microscopy and nanoparticle tracking analysis to elucidate the ice-nucleation mechanism of organic matter in the atmosphere	Oral	Atmospheric ice nucleation (I)
584	Biffi, Beatrice	Comparison between offline and online measurements in a rural site in Po Valley	Poster	Posters and Exhibition (III)
605	Biffi, Beatrice	Understanding ammonia's role in secondary particulate matter formation: insights from seven years of monitoring in the Po Valley	Poster	Posters and Exhibition (III)
792	Blichner, Sara	A process evaluation of precipitation impact on the aerosol size distribution	Oral	Climate effects
974	Boedicker, Erin K.	Investigation into the decrease in single scattering albedo in the central United States and south-central Canada	Poster	Posters and Exhibition (III)
218	Bogert, Pia	First measurements of ice nucleating particle concentrations with the newly developed aircraft-based in situ instrument PINEair at the Sonnblick Observatory (3106 m)	Oral	Atmospheric ice nucleation (I)
981	Bohm, Katja	Magnetic mineralogy and properties of atmospheric mineral dust collected during 2019–2021 dust events in northern China	Oral	Physico-chemical properties of atmospheric aerosols (I)
960	Böhmländer, Alexander	Ice-nucleating particle measurements in the high Arctic with a high temporal and vertical resolution	Poster	Posters and Exhibition (III)
123	Bologa, Andrei	Electrohydrodynamic phenomena by DC corona discharge above liquid surface	Poster	Posters and Exhibition (II)
124	Bologa, Andrei	Treatment of pyrolysis oil in a DC corona discharge	Poster	Posters and Exhibition (II)
125	Bologa, Andrei	Experimental study of laboratory molten salt fuel cell with CFRP materials	Poster	Posters and Exhibition (II)
126	Bologa, Andrei	Influence of DC corona discharge on CFRP behavior in hot air and molten salt	Poster	Posters and Exhibition (II)
650	Bondorf, Linda	In-service ship particle emission indices and size distributions from harbour measurements	Poster	Posters and Exhibition (II)
119	Bouchahmoud, Meryem	Understanding aerosol parametric uncertainty in climate modelling: first insights from one-at-a-time sensitivity studies on the chemical transport model TM5	Oral	Climate effects
470	Bousiotis, Dimitrios	Assessment of the air quality and sources of pollution using low-cost sensors and public engagement - The RI-URBANS project	Poster	Posters and Exhibition (I)
969	Bove, Maria Chiara	The nation-wide dataset of urban PM10 chemical speciation for Italy: a focus on secondary inorganic compounds	Poster	Posters and Exhibition (III)

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747	Boyer, Matthew Charles	Penguins and particles: an important source of climate-relevant aerosol in Antarctica	Oral	Aerosols and clouds in polar regions (II); atmospheric ice nucleation (II)
574	Brattich, Erika	On the linkage between extreme heat events and particulate matter increases	Poster	Posters and Exhibition (III)
504	Breitenstein, Christina	Antarctic peninsula aerosol particle composition analysed with a new HILIC-ESI-TOF-MS method for free and combined amino acid	Poster	Posters and Exhibition (II)
156	Breuninger, Anna	Investigating the Chemical Composition of Organic Aerosols and their Contribution to the Oxidative Potential	Oral	Oxidative potential of aerosol particles and health risks
984	Brill, Sebastian	High resolution vertical profiles of aerosol characteristics and properties in the Amazon	Oral	New measurement techniques and novel studies (II)
256	Brodoy, David	Decomposing PM2.5 concentrations in urban environments into meaningful factors	Oral	Sources and source apportionment of atmospheric aerosols (IV)
275	Brodoy, David	Revealing causality in the associations between meteorological variables and air pollutant concentrations	Poster	Posters and Exhibition (I)
658	Brown, Andrew	Annual and within-year trends of heavy metals concentrations in UK ambient air	Poster	Posters and Exhibition (II)
1089	Bruffaerts, Nicolas	Advancing automated identification of airborne fungal spores: Guidelines for cultivation and reference dataset creation	Oral	Bioaerosols (II)
641	Bryant, Daniel J.	Hazard Identification Platform to Assess the Health Impacts from Indoor and Outdoor Air Pollutant Exposures, through Mechanistic Toxicology: comparison of source chemical composition	Poster	Posters and Exhibition (II)
931	Bucci, Silvia	Exploring the transport path of oceanic microplastics in the atmosphere	Oral	Airborne nano-/microplastics
943	Bucci, Silvia	Tracking the sources of atmospheric microplastic using FLEXPART v. 11	Poster	Posters and Exhibition (III)
883	Buchholz, Angela	Into the Fire: Characterising Boreal biomass burning aerosol at the source	Poster	Posters and Exhibition (III)
787	Buckley, Alison	Controls: an overlooked but essential component to aerosol exposure at the air-liquid interface?	Oral	Toxicity of aerosols: exploring air-liquid interface exposure
829	Bundke, Ulrich	On a Sublimation Particle Counter – Initial Concept and Characterisation	Oral	Measurement and calibration techniques for number concentration measurements
861	Burkart, Julia	First insights from real-time bioaerosol measurements at the Sonnblick Observatory (3106masl)	Oral	Bioaerosols (II)
530	Busato, Mattia	Gas system for the CERN CLOUD chamber with FLOTUS	Poster	Posters and Exhibition (I)
587	Bzdek, Bryan Richard	Surface-Area-to-Volume Ratio Determines Surface Tensions in Microscopic, Surfactant-Containing Droplets	Oral	Physico-chemical properties of atmospheric aerosols (II)
814	Cai, Runlong	Extending the range of detectable trace species with fast polarity switching of chemical ionization Orbitrap mass spectrometry	Oral	Chemical analysis techniques (I)
907	Calzolari, Giulia	New integrated experimental and modelling tools for Georeferenced source apportionment of Aerosol climate-relevant parameters from Mid-latitudes till the Arctic (GALA)	Poster	Posters and Exhibition (II)
627	Campbell, Steven J.	High Time Resolution Quantification of PM2.5 Oxidative Potential in London	Oral	Oxidative potential of aerosol particles and health risks
793	Canagaratna, Manjula	Composition and Volatility Comparisons for Limonene Secondary Aerosol Generated from Multiple Oxidants	Poster	Posters and Exhibition (II)
929	Cao, Fang	Fossil and nonfossil sources of winter organic aerosols in regional background atmosphere of China	Poster	Posters and Exhibition (III)
545	Castillo, Jose L	Structure of electrosprayed catalytic layers and their efficiency as fuel cell electrodes	Oral	Applications of aerosol technology in catalysis and energy storage

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141	Catalán-Fariás, Nicolás	Experimental and numerical study of the flow and aerosol dispersion in a violent expiratory event	Oral	Exposure: sources, levels and assessment techniques (III)
777	Caudillo-Plath, Lucia	An intercomparison study of four different techniques for measuring the chemical composition of nanoparticles	Oral	Chemical analysis techniques (I)
330	Cervena, Tereza	Toxicity of Light-Duty Vehicle Emissions: Air-Liquid Interface in Real Driving Emission	Oral	Health effects of aerosols (II)
786	Chandel, Amit Singh	Quantifying The Refractive Index of Dust Storms Over the Himalayas	Oral	Optical Properties of Black and Brown Carbon
273	Charmforoushan, Alireza	Aerosol synthesis of single-phase nanocrystalline Monetite bioceramic	Oral	Applications of aerosol technology in health sciences
277	Charmforoushan, Alireza	Eco-friendly aerosol synthesis of Hydroxyapatite nanoparticles by liquid flame spray	Poster	Posters and Exhibition (II)
825	Chassaing, Anouck	In-cloud organic vapours uptake by droplet during convective updrafts: combining a flow tube experiment and a box model	Oral	Transport of atmospheric aerosols, modelling and climate forcing (II)
615	Chauhan, Prashant Kumar	Variation of black carbon mass concentrations and its source apportionment over Varanasi, Indo-Gangetic Basins	Poster	Posters and Exhibition (III)
941	Chazeau, Benjamin	Characterization of highly-time resolved trace elements using online XRF instruments across Europe	Oral	Air quality supersites
989	Chebaicheb, Hasna	Evaluation of organic aerosol source-oriented models by comparison with positive matrix factorization outputs throughout Europe	Oral	Transport of atmospheric aerosols, modelling and climate forcing (I)
199	Chehab, Maria	MINERAL DUST AND RESIDUAL BIOMASS ASH AEROSOLS COMPLEX REFRACTIVE INDICES RETRIEVAL	Oral	Aerosol optical properties
173	Chen, Chih-Chieh	A Novel Breath-Taking Hood for COVID-19	Poster	Posters and Exhibition (III)
307	Chen, Da-Ren	Performance of a Bipolar Differential Particle Mobility Analyzer	Oral	Size distribution measurement techniques for ultrafine and nanoparticles
663	Chen, Gang	Using clustering approaches to dynamically determine the number of sources of organic aerosol in PMF analyses	Oral	Sources and source apportionment of atmospheric aerosols (II)
642	Chen, Gang	How COVID-19 related policies reshaped organic aerosol source contributions in central London	Poster	Posters and Exhibition (III)
501	Chen, Hanzhe	Unveiling the Impact of Fireworks on Oxidative Potential during Chinese New Year: Utilizing a Novel High-Time Resolution Online Instrument	Poster	Posters and Exhibition (III)
311	Chen, Simon Xi	Ideal Mixing in the Complex Refractive Index for Organic Internally Mixed Light Absorbing Aerosol Particles	Poster	Posters and Exhibition (I)
664	Chi, Xuguang	Significant reduction of carbonaceous aerosols in eastern China: evidence from SORPES in 2014-2021	Poster	Posters and Exhibition (II)
180	Chiari, Lucas Covre	Chemical composition measurements of submicrometer aerosol particles in a mixed biogenic-anthropogenic area in the Metropolitan Area of São Paulo	Poster	Posters and Exhibition (III)
456	Chichaveva, Marina Alexandrovna	Characterization of Ionic and Elemental Composition of Size-Segregated Atmospheric Particulate Matter from the Moscow Metropolitan Area	Poster	Posters and Exhibition (III)
1119	Choël, Marie	A retrospective look at the first thunderstorm asthma episode occurring in Paris in June 2023	Oral	Bioaerosols (II)
955	Chopra, Priya	Direct Collection of Bioaerosols into Liquid Droplets Using Electrostatic Precipitation	Poster	Posters and Exhibition (I)
558	Chow, Wing Sze	Trend analysis of PM <sub>2.5</sub> and its major components from 2008 to 2017 in urban and suburban site in the Pearl River Delta, China	Oral	Sources and source apportionment of atmospheric aerosols (IV)
386	Chudnovsky, Alexandra	Monitoring complex pollution states in the city using compact multisensory assemblies on Unmanned Aerial Vehicles (UAVs)	Oral	UAV/drones platforms and instrumentation
113	Ciarelli, GIANCARLO	Analysis of chemical and transport processes of biogenic aerosols over the northern Apennines: insights from the WRF-CHIMERE model	Oral	Sources and source apportionment of atmospheric aerosols (II)

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343	Clack, Herek L.	Inferring Viral Aerosol Protein Damage from Non-Thermal Plasma Exposure Using a Wide-Band Integrated Bioaerosol Spectrometer (WIBS)	Oral	Applications of aerosol technology in health sciences
149	Clement, Charles	Washing the Air and Applications	Poster	Posters and Exhibition (II)
1032	Clusius, Petri Sebastian	Primary particle emissions affect CCN more than new particle formation	Oral	Transport of atmospheric aerosols, modelling and climate forcing (III)
384	Collaud Coen, Martine	Climatology of the atmospheric boundary layer height and the aerosol concentration at Payeme and the Jungfrauoch	Poster	Posters and Exhibition (III)
666	Colombi, Cristina	Trends in PM concentrations in Lombardy and analysis of the contribution of the relevant sources in the last decade	Poster	Posters and Exhibition (III)
322	Conte, Marianna	Ultrafine size-segregated particle fluxes detected by eddy-covariance using different instrumentation	Oral	Transport of atmospheric aerosols, modelling and climate forcing (II)
468	Contini, Daniele	Determination of aerosol composition by ED-XRF on Teflon and quartz substrates: potentialities and limits	Poster	Posters and Exhibition (I)
398	Cooke, Madeline Eileen	Decreases in Epoxide-Driven Secondary Organic Aerosol Production Under Highly Acidic Conditions: The Importance of Acid-Base Equilibria	Oral	Homogeneous, heterogeneous and multiphase chemistry, secondary aerosols (I)
1049	Corbin, Joel	Effective density distributions of sodium chloride aerosols as a function of drying rate	Poster	Posters and Exhibition (I)
1028	Correia, Carolina	Mapping Urban Air Quality: A low-cost sensing solution for a comprehensive characterisation of urban exposure	Oral	Exposure in specific microenvironments
1048	Correia, Carolina	Calibration of a low-cost sensing system to evaluate air quality in motion	Poster	Posters and Exhibition (I)
982	Costa, Delphine	Quantifying the airborne release fraction of plutonium oxide surrogate in a small-scale fire experimental facility	Poster	Posters and Exhibition (I)
940	Cremer, Roxana S.	Exploring the influence of air mass history on Arctic Black Carbon in GCMs	Oral	Transport of atmospheric aerosols, modelling and climate forcing (I)
932	Crepaldi, Patrizia	The impact of the core-shell structure on the oxidation of carbonaceous nanoparticles	Poster	Posters and Exhibition (II)
480	Cuccia, Eleonora Simona	Life PrepAIR Project: PM10 monitoring in the Po Valley	Oral	The Po Valley open air-laboratory: lessons learned and current challenges (I)
1107	Cuesta-Mosquera, Andrea	Impact of improved cookstoves on indoor air pollution in rural Rwanda - assessment of black carbon, brown carbon, and PAH concentrations	Oral	Air pollution in low-income countries
948	Cui, Zeqi	Development and application of a new inorganic multi-phase chemistry scheme in ARCA/SOSAA	Poster	Posters and Exhibition (III)
503	Czech, Hendryk	Effect of Ageing on Wildfire Emission Toxicity: Simulations in the Photochemical Large Aerosol Chamber (PHOTO-LAC)	Oral	Exposure: sources, levels and assessment techniques (II)
661	Czech, Hendryk	Comparison of the emission characteristics of land-based engine test benches with open water real ship emissions – Technical realization and physico-chemical findings.	Poster	Posters and Exhibition (II)
239	D'Alicandro, Andrea Carlo	A new experimental bench for the study of aerosol generation during mock-up tracheostomy operations	Poster	Posters and Exhibition (II)
1075	D'Andria, Matteo	Flame-aerosol synthesis of CuOx on Co3O4 nanoparticles for selective formaldehyde sensing	Oral	Applications of aerosol technology in health sciences
1079	D'Andria, Matteo	Surface functionalization of Co3O4 by CuOx nanoclusters and their deposition as porous sensing films	Poster	Posters and Exhibition (II)
440	D'Anna, Barbara	Complementary high-resolution aerosol mass spectrometry elucidates sources of wintertime sub-micron particle pollution and their temperature-dependent variation in Fairbanks, Alaska	Oral	Aerosols and clouds in polar regions (I)



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1103	D'Anna, Barbara	VOCs and PAHs emissions from a RoPax ship exhaust at sea	Oral	Marine and aviation aerosol emissions
764	D'Anna, Barbara	New insight into primary and secondary emissions from Euro6 diesel and gasoline vehicles	Poster	Posters and Exhibition (II)
454	Dada, Lubna	Intense new particle formation events over agricultural lands in Finland and Switzerland	Oral	New particle formation (I)
452	Dada, Lubna	Biogenic particle formation and growth involving Sesquiterpenes	Poster	Posters and Exhibition (I)
598	Daellenbach, Kaspar	Organic aerosol sources in the Milan metropolitan area combining field observations and air quality modelling	Oral	The Po Valley open air-laboratory: lessons learned and current challenges (II)
1113	Dal Maso, Miikka	The Atmosphere and Climate Competence Center (ACCC) – a Finnish flagship project for a safer climate and cleaner air	Poster	Posters and Exhibition (II)
1123	Dall'Osto, Manuel	Simultaneous organic aerosol source apportionment at two Antarctic sites reveals large-scale and eco-region specific components	Oral	Aerosols and clouds in polar regions (II); atmospheric ice nucleation (II)
745	Dandocsi, Andrei Valentin	Supervised machine learning regression techniques for aerosol source identification	Poster	Posters and Exhibition (III)
911	Das, Anusmita	Generation, characterization, and toxicological assessment of reference ultrafine particles with different organic loading for air-liquid interface exposure	Oral	Toxicity of aerosols: exploring air-liquid interface exposure
949	Das, Anusmita	Increased particle deposition on lung tissue due to biomass burning activities	Poster	Posters and Exhibition (II)
962	Das, Anusmita	Determination of ultrafine particles number and mass deposited at the air-liquid interface in an in vitro aerosol exposure system	Poster	Posters and Exhibition (III)
249	Daub, Christopher David	Lifetimes of pre-reactive complexes of peroxy radicals: Thermostat effects, temperature dependence and highly oxygenated molecules	Oral	Molecular dynamics; nucleation and growth
257	David, Julia	Investigating Secondary Organic Aerosol Composition and Biomass-Burning in the Po Valley: Real-Time Monitoring with Ultra-High Resolution Mass Spectrometry	Oral	The Po Valley open air-laboratory: lessons learned and current challenges (II)
263	De Rijcke, Maarten	The immunological effects of Sea Spray Aerosols on Human Cells: The Role of Bacterial Concentrations and Endotoxin Levels	Oral	Exposure: sources, levels and assessment techniques (III)
541	del Valle, Andrea C.	Polycationic Polymer-coated Flame-Made Calcium Phosphate Nanoparticles for Controlled Release of siRNA	Poster	Posters and Exhibition (II)
953	Delaval, Mathilde Noemie	Cellular and molecular toxicity of electronic cigarette flavoured aerosols on alveolar epithelial cells exposed at the air-liquid interface	Poster	Posters and Exhibition (II)
659	Denjean, Cyrielle	Evidence of an enhancement in cloud-forming potential of anthropogenic aerosol during transport at the regional scale	Oral	Aerosol-cloud interactions and role in climate feedbacks
241	Deot, Neha	Effect of planetary boundary layer height on new particle formation events over Cyprus	Oral	New particle formation (I)
705	Deshmukh, Shravan Vasant	Urban Aerosol Hygroscopicity in the Sub-saturated Regime: Insights from Chemical-Derived Growth Factor and Impact of Mixing State	Oral	Physico-chemical properties of atmospheric aerosols (II)
1000	DeVivo, Jenna Elizabeth	The impact of RO <sub>2</sub> branching chemistry on SOA chemical composition	Oral	Aerosol-cloud interactions and role in climate feedbacks; Homogeneous, heterogeneous and multiphase chemistry, secondary aerosols; Molecular characterization of atmospheric aerosols
290	Dhiman, Rubal	Examining PM Distribution and Calibrating Low-Cost Sensors for Accurate Measurements in Indoor, Laboratory, and Outdoor Environments	Oral	Miniaturized and low cost instrumentation

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118	Di Iulio, Gianluca	Exposure to urban nanoparticles at low PM1 concentrations as a source of oxidative stress and inflammation	Oral	Exposure in specific microenvironments
692	Díaz Zurita, Arlett	Understanding of aerosol properties and aerosol-cloud interactions during an extreme Saharan dust event in the Iberian Peninsula	Poster	Posters and Exhibition (III)
282	Didier, Pierre	Silicon surface regeneration after the impact of monodispersed latex beads and Arizona Dust	Poster	Posters and Exhibition (I)
333	Dischl, Rebecca	In-flight measurements of particle emissions from an Airbus A319neo and an A321neo with lean-burn engine technology	Poster	Posters and Exhibition (III)
882	Domínguez Villar, Beatriz	Optical properties and chemical composition of rice straw burning	Poster	Posters and Exhibition (II)
433	Dou, Jing	Degradation of Polystyrene Nanoparticles in the Aqueous Environment	Poster	Posters and Exhibition (III)
477	Dougniaux, Grégoire	Recent advances in radioactive aerosols metrology	Poster	Posters and Exhibition (II)
500	Drewnick, Frank	Air quality in a major Moroccan city: The influence of air mass advection versus local sources and photochemical processes	Poster	Posters and Exhibition (III)
843	Drinovec, Luka	Comparison of calibration methods for in-situ aerosol absorption instruments	Oral	Optical measurement techniques
483	Dvrtić, Ivana	Synthesis of titanium dioxide nanoparticles coated with 1-nitropyrene, chemical characterisation and application in atmospheric studies	Oral	Aerosol-surface interactions and data-driven modeling of aerosol processes
443	Du, Wei	Understanding the primary and secondary aerosols: new insights from the comparisons between typical clean and pollution area	Poster	Posters and Exhibition (III)
411	Duan, Lian	A comprehensive exploration of characteristics and source attribution of carbonaceous aerosols in PM2.5 in an East China megacity	Poster	Posters and Exhibition (III)
1014	Duncan, Eliza Kate	Using Explainable Machine Learning and Lagrangian Frameworks to Untangle Aerosol Processes.	Oral	Aerosol-surface interactions and data-driven modeling of aerosol processes
1022	Duplissy, Jonathan	How the use of SAF in aircraft engines could change contrail properties?	Oral	Aerosols from combustion of novel fuels
1081	Dusek, Ulrike	An isotopic signature of organic aerosol aging	Oral	Smog chamber and flowtube simulations and experiments
479	Dwivedi, Anubhav Kumar	Reliable Production of Viral Aerosols: A Methodological Approach Using a Consumer-grade Ultrasonic Humidifier and Numerical Modeling	Poster	Posters and Exhibition (II)
577	Ebtini, Abdulghani	PAH and Oxy-PAH Degradation and Formation during Plume Ageing in the Photochemical Large Aerosol Chamber (PHOTO-LAC)	Oral	Exposure: sources, levels and assessment techniques (II)
1021	Eckenberger, Elisabeth	From Urban Haze to Alpine Gaze: Tracing the Linkages Between Black Carbon and PAH in UFP	Oral	Chemical characterization of carbonaceous aerosols
127	Edwards, Alexander Jon	Assessing the Effects of Transient Weather Conditions on Airborne Transmission Risk in Naturally Ventilated Hospitals.	Oral	Aerosol transport properties and fluid dynamics
689	Efimov, Alexey A.	High-resolution patterning of conductive microstructures by electrostatic deposition of aerosol Au nanoparticles through the dielectric mask	Poster	Posters and Exhibition (II)
284	Ehara, Yoshiyasu	Nano particle collection efficiency and ozone concentration in electrostatic precipitator with carbon brush disk electrode	Poster	Posters and Exhibition (II)
1086	Eleftheriadis, Konstantinos	Mitigating Transport-Related Air Pollution in Europe: The MI-TRAP project	Poster	Posters and Exhibition (I)
651	Elihn, Karine	A mobile ALI system for outdoor usage - toxicity testing of airborne particles and gases in a road tunnel and subway	Oral	Toxicity of aerosols: exploring air-liquid interface exposure

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671	Elm, Jonas	Elucidating the molecular structures of organics involved in atmospheric cluster formation	Oral	Quantum chemical calculation of aerosol formation and gas-phase kinetics
759	Elomaa, Juho Tapio	Effect of changing temperature and relative humidity on filter-based black carbon sensor measurements	Poster	Posters and Exhibition (I)
1067	Engelbracht-Kloß, Laura	Visualization techniques for aerosol/aerosol mixing in a generic flow configuration	Poster	Posters and Exhibition (I)
1016	Englert, Jana	Eddy Covariance Measurements of Aerosol Particle Fluxes in the Amazon Rainforest	Poster	Posters and Exhibition (III)
626	Engsvang, Morten	Iodine in the atmosphere: benchmark and application	Poster	Posters and Exhibition (I)
674	Espinosa Mireles de Villafranca, Alonso	Finding patterns in crowdsourced PM2.5 low-cost sensor data using data-based methods	Oral	Miniaturized and low cost instrumentation
283	Evangelou, Nikolaos	PM2.5 levels over Europe during the first COVID19 lockdowns were controlled by NH3	Poster	Posters and Exhibition (I)
213	Evangelou, Ioanna	Microplastic resuspension from bare soil regions and global atmospheric cycle.	Poster	Posters and Exhibition (III)
323	Evans, Rhianna Louise	Flaming versus smouldering: chemical characterisation of organic aerosol from wood burning emissions using a quantitative non-target approach	Poster	Posters and Exhibition (II)
294	Fadel, Marc	Oxidative Potential of PM2.5: Source apportionment analysis across four East Mediterranean sites	Poster	Posters and Exhibition (III)
486	Faisal, Mohd	Fireworks: A Major source of elemental aerosols during Diwali in Delhi-NCR	Oral	Exposure: sources, levels and assessment techniques (I)
647	Fang, Rongyan	In-situ Characterizations of Tyre Wear Particles Using Online Aerosol Mass Spectrometer	Oral	Airborne nano-/microplastics
844	Farhoudian, Sana	Does decalin auto-oxidize? Flow reactor investigations with chemical ionization mass spectrometry detection	Poster	Posters and Exhibition (I)
1121	Faria, Tiago	Non-exhaust emission profiling from road traffic in Lisbon	Oral	Sources and source apportionment of atmospheric aerosols (IV)
355	Fauré, Nicolas	Can surfactants catalyze ice crystal formation in the Arctic atmosphere?	Poster	Posters and Exhibition (III)
179	Favaro, Eleonora	Tyre-derived particles in size-segregated aerosols of urban and alpine areas: occurrence, sources and temporal trends	Poster	Posters and Exhibition (III)
225	Fayad, Claire	Investigating the impact of ultrafine particulate air pollution: unravelling age-related responses through experimental human cell culture models	Poster	Posters and Exhibition (II)
1092	Ferrero, Luca	Heating rate of primary and secondary brown carbon, fossil fuel and biomass burning in the Po Valley	Poster	Posters and Exhibition (III)
1088	Fetfatzis, Prodromos	Aerosol measurements of the AirSensis Drone version low cost sensor	Oral	UAV/drones platforms and instrumentation
1090	Fetfatzis, Prodromos	Evaluation of the Particles Plus optical particle counter 9000 series OEM at DEM Station	Oral	Optical measurement techniques
709	Figueiredo, Daniela	Toxicological effects of particulate matter from residential coal combustion	Poster	Posters and Exhibition (II)
463	Finkenzeller, Henning	Enhancing CIMS capabilities with inlets of high luminosity and novel ions	Poster	Posters and Exhibition (I)
1098	Fombelle, Pauline	Secondary organic aerosol (SOA) formation from biogenic emissions of endemic Atlantic Forest species under ozone stress	Oral	Homogeneous, heterogeneous and multiphase chemistry, secondary aerosols (I)
927	Fonseca, Ana Sofia	Use of dustiness for exposure modelling of nanomaterials	Oral	Biological and toxicological responses
945	Fonseca, Ana Sofia	Implementation of sensor-based workplace measurements for improved handling of particle exposures in the working environment	Oral	Biological and toxicological responses
601	Foreback, Benjamin	Air quality analysis using the FLEXPART-SOSAA modelling system	Poster	Posters and Exhibition (III)

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314	Fortner, Edward Charles	Variations in Polycyclic Aromatic Hydrocarbon (PAH) Formation during Biomass Burning Manipulated by Controlling the Burn Environment	Oral	Chemical characterization of carbonaceous aerosols
159	Frandsen, Benjamin N.	Gas-Phase Oxidation Processes of Peroxy Radicals, Flow-reactor CIMS and Computational Chemistry Insights.	Poster	Posters and Exhibition (I)
167	Franzon, Lauri Johannes	Ether and ester formation from peroxy radical recombination: A qualitative reaction channel analysis	Poster	Posters and Exhibition (I)
404	Fratticioli, Cosimo	Characterisation of Xact 625i elemental analysis by intercomparison with PIXE	Poster	Posters and Exhibition (I)
688	Fricano, Andrea	Plastic additives in airborne particulate matter from an E-waste recycling plant	Poster	Posters and Exhibition (III)
691	Fricano, Andrea	Airborne microplastics in workplaces	Poster	Posters and Exhibition (III)
216	Frka, Sanja	Sources and processes affecting aerosol levels, chemical composition and deposition fluxes over the central Adriatic area and biogeochemical implications	Oral	Sources and source apportionment of atmospheric aerosols (V)
697	Fry, Juliane L.	Ambient aerosol composition and gas/aerosol partitioning in an NH <sub>3</sub> -rich environment: Results from the Ruisdael Intensive Trace gas and Aerosol (RITA) campaign 2021	Oral	Chemical characterization of carbonaceous aerosols
616	Fu, Jinglan	Aqueous phase secondary organic aerosol formation from glyoxal in presence of reactive nitrogen	Poster	Posters and Exhibition (I)
864	Fujii, Yusuke	Airborne Microplastics Detected in Size-Segregated Aerosols in Osaka, Japan	Poster	Posters and Exhibition (III)
129	Fujitani, Yuji	Quantitative assessment of nano-plastic aerosol particles emitted during machining of carbon fiber reinforced plastic	Poster	Posters and Exhibition (II)
193	Fuller, Gary	Is home heating with solid fuels creating PM <sub>2.5</sub> hotspots in cities?	Oral	Health effects of aerosols (II)
192	Fuller, Gary W.	Short-term effects of carbonaceous particles on mortality: A time-series study in London	Oral	Human exposure and health studies; medical and therapeutic applications
972	Gagné, Stéphanie	Repeatability of carbon black aerosol generation by six nebulizer systems	Poster	Posters and Exhibition (II)
313	Gamble, Georgia May	Comparative effect of aircraft emissions from Gatwick airport, and surrounding area, on pathways of inflammation in a model of human respiratory epithelium	Poster	Posters and Exhibition (III)
1101	Ganeau, L.	In-flight particle sampling from a commercial aircraft for rich and lean burn combustion modes with SAF	Oral	Aerosols from combustion of novel fuels
491	Gani, Shahzad	A comprehensive atmospheric observatory in the Indo-Gangetic Plain: Objectives, challenges, and the way forward	Poster	Posters and Exhibition (III)
340	Garcia-Martés, Meritxell	Inter-annual trends of ultrafine particles in urban Europe	Oral	Health-relevant aerosols and their characteristics
1082	Garmash, Olga	Enhancing the sensitivity of nitrate chemical ionization mass spectrometer towards oxygenated organics	Poster	Posters and Exhibition (I)
946	Gautam, Sangita	Absorption coefficient of coarse aerosol – Ångström exponent indicates the presence of Black Carbon on dust particles	Poster	Posters and Exhibition (III)
1074	Gensdarnes, François	Scale-up of an Inertial and Diffusional Aerosol Spectrometer for high flow rates	Poster	Posters and Exhibition (I)
540	Georgopoulou, Maria P.	Formation of secondary organic aerosol during the day- and night-time oxidation of individual aromatic VOCs emitted during biomass burning	Oral	Smog chamber and flow tube simulations and experiments
775	Gerard, Lucy	How is the Oxidative Potential a relevant metric to assess the health impact of air pollution? A laboratory study by smog chamber and preclinical models.	Poster	Posters and Exhibition (II)
657	Gerwig, Holger	7 years of UFP measurements including Cov-19 reduction in the urban background near an airport	Poster	Posters and Exhibition (III)

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274	Gfeller, Benjamin	Functionalization of Metal Nanoparticles: How Spark Ablation Creates Versatile Particles for Effective Coating of TiO <sub>2</sub>	Poster	Posters and Exhibition (II)
291	Ghaffarpasand, Omid	Remote sensing measurements to real-world assessment of the impact of after-treatment systems on particulate matter emission of diesel vehicles	Poster	Posters and Exhibition (II)
408	Ghosh, Kunal	Development of a 3D aerosol microphysics model for investigating new particle formation events (NPF) in a polluted megacity environment	Oral	New particle formation (II)
966	Giardi, Fabio	Study of the elemental composition and source of mineral dust in the Arctic: results from an extended database	Poster	Posters and Exhibition (II)
620	Gilardoni, Stefania	Composition and mixing state of carbonaceous aerosol in the Arctic	Oral	Aerosols and clouds in polar regions (I)
515	Gili, Jordina	Application of quasi-empirical orthogonal functions to estimate wildfire impacts in northwestern Spain	Oral	Apportionment of biomass combustion and fires
891	Gili, Jordina	Source apportionment of black carbon exposures among firefighters during wildfires and prescribed forest burns	Poster	Posters and Exhibition (II)
175	Giorio, Chiara	Metal Ion Release from Fine Particulate Matter Sampled in the Po Valley to a surrogate lung fluid: solubility, dissolution kinetics, and speciation	Oral	The Po Valley open air-laboratory: lessons learned and current challenges (II)
176	Giorio, Chiara	Understanding environmental and behavioural factors affecting indoor exposure in the residential environment in Bradford, UK: preliminary results of the INGENIOUS project	Poster	Posters and Exhibition (II)
916	Gkouvousis, Angelos	Modeling brown carbon effect on climate with EC-Earth3	Poster	Posters and Exhibition (III)
1046	Gladding, Toni Lesley	Prevalence of Antimicrobial-Resistance in Food Waste and its Potential for Public Health Transmission as a Bioaerosol	Oral	Exposure: sources, levels and assessment techniques (I)
698	Glojek, Kristina	Comparison of on- and off-line source apportionment with wood-burning, traffic and industrial sources	Oral	Apportionment of biomass combustion and fires
204	Goel, Vikas	Secondary organic aerosol formation from the OH induced photooxidation of Ambient air in an oxidation flow reactor over Delhi	Poster	Posters and Exhibition (I)
279	Göhler, Daniel	Extending the analytical size range by merging of scaled particle size distributions on the example of static image analyses by scanning electron microscopy data of multiple magnifications	Poster	Posters and Exhibition (I)
915	Golin Almeida, Thomas	Diverging pathways in nitrate radical-initiated oxidation of monoterpenes: alkyl- and alkoxy radical bond scission reactions	Oral	Quantum chemical calculation of aerosol formation and gas-phase kinetics
339	González Ramos, Yenny	Studying the physical properties of dust aerosols impacting the subtropical North Atlantic during extreme dust events	Poster	Posters and Exhibition (III)
718	Goudeli, Eirini	Carbon dioxide hydrogenation to methanol by flame-deposited CuO/ZrO <sub>2</sub> -membrane composites	Oral	Applications of aerosol technology in catalysis and energy storage
589	Gounaris Nikolaidis, Dimitrios	Synthesis of metal nitride nanoparticles via atmospheric-pressure spark discharge generator	Oral	Aerosol synthesis and deposition by spark ablation
869	Gramlich, Yvette	A view on the molecular-level chemical composition of aerosols and fog in the Po Valley, Italy	Oral	The Po Valley open air-laboratory: lessons learned and current challenges (I)
596	Granakis, Konstantinos	Long-term characterization of the Athens background aerosol optical properties	Oral	Aerosol optical properties
235	Gratzl, Jürgen	The seasonal cycle of fluorescent and biological aerosols in sub-Arctic Finland	Oral	Aerosols and clouds in polar regions (I)

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735	Green, David	Advanced Source Apportionment for the Assessment of Exposure to Exhaust and Non-Exhaust PM in Health Effects Study	Oral	New measurement techniques and novel studies (II)
922	Gregorić, Asta	Comparative study of black carbon and other carbonaceous aerosols in four South-Eastern European hotspots	Poster	Posters and Exhibition (III)
928	Grivas, Georgios	First in situ results from yearly aerosol composition measurements at the PANhellenic GEophysical observatory (PANGEA) in Antikythera, Eastern Mediterranean	Oral	Sources and source apportionment of atmospheric aerosols (VII)
856	Gunti, Quentin	Impacts of shipping emissions on air quality: emission factors and PM source apportionment in the coastal city of Toulon, France	Oral	Sources and source apportionment of atmospheric aerosols (VII)
285	Güntner, Andreas	Selective molecular sensing with flame-aerosol nanoparticles and their porous films	Oral	Applications of aerosol technology in health sciences
189	Guo, Haotian	A portable reversed-flame soot generator to produce vehicle exhaust similar particles for calibration use	Poster	Posters and Exhibition (I)
848	Gutierrez, Pablo	Industrial Chimney Detection Using an Artificial Intelligence Object Detection Algorithm and Drone Imagery	Poster	Posters and Exhibition (III)
300	Hagen, Fabian P.	Incipient soot particles: Linkage between primary particle size distribution, carbon nanostructure and soot volume fraction	Oral	Combustion generated carbonaceous aerosols
849	Haider, Kawssar Mujtaba	New particle formation from digestate biowastes via ozonolysis	Oral	New particle formation (II)
973	Haider, Kawssar Mujtaba	Chemical characterization of volatile organic compounds emitted by animal manure and their ozone reactivity	Poster	Posters and Exhibition (I)
840	Hakala, Jani	Microbial aerosol sampling and infectivity in different environmental conditions	Oral	Exposure in specific microenvironments
407	Håkansson, Leo	Vertical profiling aerosol particles using a novel unmanned aerial system	Poster	Posters and Exhibition (I)
421	Hakkarainen, Henri	In vitro toxicological effects of exhaust emissions using ALI exposure method	Oral	Toxicity of aerosols: exploring air-liquid interface exposure
1070	Hallquist, Åsa M.	Characterisation of emissions from a turbojet engine running on biofuel and conventional Jet A1	Poster	Posters and Exhibition (II)
740	Halonen, Roope	Assessment of anharmonicities in clusters: developing and validating a partition function	Oral	Quantum chemical calculation of aerosol formation and gas-phase kinetics
243	Hammer, Tobias	Calibration of filter-based absorption photometers against two reference standards	Poster	Posters and Exhibition (I)
220	Han, Chang-Ho	Numerical investigation of the Brownian effect on deposition of ultrafine particles in electrostatic aerosol sampling	Poster	Posters and Exhibition (I)
1085	Han, Yanlin	Particulate emissions of aqueous ammonia and fossil diesel dual-fuel combustion in a single-cylinder compression ignition engine	Poster	Posters and Exhibition (II)
895	Han, Yaochen	Determining the structures of aerosol atomic clusters by electrical mobility analysis	Oral	Quantum chemical calculation of aerosol formation and gas-phase kinetics
158	Hao, Liqing	Direct mitigation mechanisms of toluene secondary organic aerosol particulate matter by titanium dioxide photocatalysis	Oral	Homogeneous, heterogeneous and multiphase chemistry, secondary aerosols (II)
397	Hao, Yufang	From Flames to Haze: A Molecular Perspective on Tracing Organic Aerosols from Punjab's Fields to New Delhi's Air	Oral	Aerosol-cloud interactions and role in climate feedbacks; Homogeneous, heterogeneous and multiphase chemistry, secondary aerosols; Molecular characterization of atmospheric aerosols

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473	Hami, Sami	Impact of noise barriers on traffic-related pollutant concentrations along a major highway	Poster	Posters and Exhibition (II)
450	Harrison, R.M.	Insights gained from data collected at the Birmingham Air Quality Supersite (UK)	Oral	Air quality supersites
556	Hartikainen, Anni	Chemical, physical, and optical properties of photochemically aged exhaust emissions from a small-scale jet engine burner	Oral	Characterization and impact of aerosol emissions from aviation
707	Hartl, Herbert G.	The first annual ACTRIS sub-10 nm aerosol size distribution Instrumentation Intercomparison Workshop	Oral	Size distribution measurement techniques for ultrafine and nanoparticles
237	Hartmann, Susan	Marine Polysaccharides – Major Contributor to Ice Nucleating Particles in Remote Marine Regions	Oral	Atmospheric ice nucleation (I)
196	Hasan, Galib	Dimer (accretion product) formation on freshly nucleated particle (FNPS) surface.	Poster	Posters and Exhibition (I)
1055	Haslett, Sophie L.	Nitrate photolysis enhances the partitioning of aerosol chloride into the gas phase	Oral	Smog chamber and flow tube simulations and experiments
445	Hassim, Joshua Savio	Validation of the Mass Mobility Aerosol Spectrometer (M2AS)	Oral	New measurement techniques and novel studies (I)
439	HE, Xiao	Unambiguous Analysis and Systematic Mapping of Oxygenated Aromatic Compounds in Atmospheric Aerosols Using Ultra-high Resolution Mass Spectrometry	Poster	Posters and Exhibition (II)
566	He, Xu-Cheng	Crucial role of iodine and sulfur oxoacids in marine secondary aerosol formation	Oral	New particle formation (II)
420	Hedges, Michael	Particle number size distributions in subway and overground train carriages	Oral	Health effects of aerosols (II)
855	Heikkilä, Paavo	Multi-element measurements of ambient aerosol with laser-induced breakdown spectroscopy	Oral	Chemical analysis techniques (II)
797	Heikkinen, Liine	Characterization of cloud-processed aerosol populations in the boreal forest	Oral	Physico-chemical properties of atmospheric aerosols (II)
490	Heinritzi, Martin	Formation of Nucleator Molecules and the Characteristics of New Particle Formation in the Upper Troposphere over the Amazon Rainforest	Oral	New particle formation (III)
207	Hejrtíková, Marcela	Multi-centric study of preschool children absenteeism in kindergartens in three large cities and in an industrial agglomeration	Poster	Posters and Exhibition (II)
160	Held, Andreas	Bi-directional vertical transport of cluster ions during new particle formation	Poster	Posters and Exhibition (I)
668	Hell, Max	Comparison of different automated time-resolved continuous measurements of ozone precursor VOCs in Borna, Saxony (Germany)	Poster	Posters and Exhibition (I)
730	Hering, Susanne	Field Evaluation of An Affordable Community Condensation Particle Counter	Oral	Miniaturized and low cost instrumentation
194	Herrero del Barrio, Celia	CAECENET: Continuous and automatic columnar and vertical aerosol properties	Poster	Posters and Exhibition (III)
217	Hildmann, Stefanie	Detailed molecular characterisation of size resolved organic aerosols in the Amazon rainforest by high-resolution Orbitrap mass spectrometry	Oral	Molecular characterization of atmospheric aerosols (I)
133	Hillemann, Lars	How to measure the counting efficiency of optical aerosol spectrometers with non-PSL materials	Poster	Posters and Exhibition (I)
976	Hof, Henrik	First results of recent Intercomparison Study of In-Situ Measurement Probes at Sonnblick Observatory, Austria	Poster	Posters and Exhibition (III)
1038	Hoffer, András	Identification of waste burning based on the physical and chemical parameters of the emitted aerosol	Poster	Posters and Exhibition (III)
242	Höhler, Kristina	Parallel Measurements of Ice Nucleating Particles at the High Altitude Research Station Jungfraujoch within the European ACTRIS Framework	Poster	Posters and Exhibition (III)
838	Hoivala, Jussi Alekski	Effect of atmospheric conditions on underground mine air quality	Poster	Posters and Exhibition (II)
1057	Holm, Sebastian	First steps towards a novel filter analysis workflow for PM <sub>2.5</sub>	Oral	Measurement techniques for ambient aerosols

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232	Holopainen, Eemeli	Amesoscale model for aerosol-cloud interaction studies WRF-PMCAMx-UF with insights to secondary ice production	Oral	Transport of atmospheric aerosols, modelling and climate forcing (III)
1010	Holve, Donald	Ensemble angular light-scattering instrument: Applications for real-time size and concentration measurements of e-cigarette aerosols, Arizona road dust, and Lunar dust simulant	Oral	Optical measurement techniques
370	Hong, Youwei	Molecular characterization of gaseous organosulfates and its formation in a coastal city	Poster	Posters and Exhibition (II)
800	Horchler, Eva Johanna	Ammonia and amine measurements on Heron Island, Great Barrier Reef, Australia	Oral	Chemical analysis techniques (II)
528	Horender, Stefan	Scaling the measurements of the Poleno bioaerosol monitor to those of the Hirst-type sampler	Poster	Posters and Exhibition (I)
1122	Hormigo Jurado, Dévora	Ultrafine Particles ambient measurement at airport	Oral	Marine and aviation aerosol emissions
231	Homík, Štěpán	PMF based on NMR aerosolomics data of seasonally resolved organic aerosol at three different central European background sites	Poster	Posters and Exhibition (III)
979	Hörrak, Urmas	Improved method for measuring atmospheric ionization rates using air ion counters	Poster	Posters and Exhibition (I)
305	Hristova, Elena Svilenova	BC and PAHs concentration variability in urban particulate matter and source identification	Poster	Posters and Exhibition (III)
163	Hsu, Ping-Chi	Exposure to PM2.5 collected from southern Taiwan affects sperm functions in male mice	Poster	Posters and Exhibition (II)
610	Hu, Dawei	Integrated particle generation protocol for in vivo/vitro studies: emissions from diesel engine, wood combustion, cooking, and cleaning products	Oral	Biological and toxicological responses
247	Huang, Wei	Chemical composition of ambient clusters contributing to clustering events at the pristine high-altitude Izaña Atmospheric Observatory (2367 m a.s.l.), Canary Islands	Poster	Posters and Exhibition (I)
400	Huewe, Florian	Monitoring ambient ultrafine particles with the help of PN-PTI instruments	Poster	Posters and Exhibition (I)
582	Humayun, Muhammad	M.H. collected and analyzed the whole data, and wrote the original manuscript; K.U. provided datasets and helped in plotting datasets in Linux, and improved the manuscript; S.N. reviewed the strategy and improved the manuscript, and Z.A. designed the strategy, reviewed the manuscript, and supervised the project.	Poster	Posters and Exhibition (II)
1073	Hussein, Tareq	Upscaling Aerosol Chemical Mass Size Distribution using a Machine Learning Approach	Poster	Posters and Exhibition (I)
488	Hwang, InJo	Source Apportionment of Ambient PM2.5 Data using the EPA-PMF Model at Monitoring site near the steel mill	Poster	Posters and Exhibition (III)
771	Hyttinen, Noora	COSMO-based machine learning model for saturation vapor pressure predictions	Poster	Posters and Exhibition (III)
229	Iinuma, Yoshiteru	Impact of a tropical cyclone on ozone and carbon oxidation state of biogenic secondary organic aerosol over sub-tropical forest of Okinawa, Japan	Oral	Molecular characterization of atmospheric aerosols (I)
138	Im, Ulas	Marine isoprene and its contribution to secondary aerosols in an Earth system model	Oral	Climate effects
517	Ingram, Stephen	Vibrational Spectra prediction for Silicate Clouds in an Exoplanetary Atmosphere	Oral	Molecular dynamics; nucleation and growth
412	Ioannidis, Giannis	Modelling the formation of Secondary Organic Aerosols across various timescales in urban configurations using CFD.	Poster	Posters and Exhibition (I)
875	Ippolito, Federica	SOURCE APPORTIONMENT OF PM10 COMPARING DISPERSION AND RECEPTOR MODELLING APPROACHES IN SOUTHERN POLAND	Oral	Sources and source apportionment of atmospheric aerosols (VI)
952	Ippolito, Federica	Comparison between CAMx/PSAT and PMF source apportionment in an urban and a rural site in Po Valley.	Oral	The Po Valley open air-laboratory: lessons learned and current challenges (II)



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818	Irfan, Zainab	Black Carbon Impact on Glacier retreat and biodiversity loss in Hindukush, Himalaya and Karakorum	Oral	Aerosol Optical Properties: from surface to vertical profiles
368	Isaac, Nishchay A.	Role of Pt/Al bimetallic interfaces in nanoparticle-based reactive multilayer systems	Poster	Posters and Exhibition (II)
934	Isaxon, Christina	Characterization and exposure assessment of PM from cooking with solid biofuels	Oral	Air pollution in low-income countries
393	Isolabella, Tommaso	MWAA Model Toolkit – A Python and R implementation of the upgraded carbonaceous aerosol apportionment model	Poster	
402	Ivancic, Matic	Two-dimensional BC tracer model to distinguish between primary and secondary OC	Oral	Sources and source apportionment of atmospheric aerosols (II)
449	Iyer, Siddharth	Rapid formation of aerosol precursors from aromatics through the molecular rearrangement mechanism	Oral	Quantum chemical calculation of aerosol formation and gas-phase kinetics
427	Jain, Akshat	Experimental Investigations of the Effect of Ball-milled Titania Nanoparticles on the Ultra-fine Particulate Matter Emissions during Diesel Combustion	Poster	Posters and Exhibition (II)
121	Jain, Priyanka	Formation of aqueous secondary organic aerosol from the aqueous oxidation of the atmospherically abundant terpenic alcohols by OH	Oral	Homogeneous, heterogeneous and multiphase chemistry, secondary aerosols (I)
1054	Jancsek-Turóczy, Beatrix	Chemical characterization of a major source of the urban road dust	Oral	Exposure: sources, levels and assessment techniques (II)
1062	Jancsek-Turóczy, Beatrix	Real-time monitoring method for traffic-related non-exhaust particulates under real-life traffic conditions	Poster	Posters and Exhibition (I)
638	Janhäll, Sara	Dusting from circular materials used in construction work using sensors	Poster	Posters and Exhibition (I)
419	Jäppi, Milja	Particle number emissions from a gasoline hybrid car and a diesel hybrid car in changing driving conditions	Poster	Posters and Exhibition (II)
543	Järvinen, Anssi	Gas and particle emissions from diesel engines with bio- and e-fuels	Oral	Combustion generated carbonaceous aerosols
933	Jaworek, Katarzyna	Spatial heterogeneity of fine atmospheric aerosol in the Polish-Czech border area	Poster	Posters and Exhibition (III)
711	Jeong, Seongho	Investigating the physical and chemical characteristics and dynamics of ship exhaust in coastal environments	Oral	Sources and source apportionment of atmospheric aerosols (VII)
258	Ježek Brecej, Irena	Real-world plume chasing results shows successful reduction in diesel cars emissions of nitrogen oxide and black carbon.	Oral	Filtration & control technologies for transportation & atmospheric aerosols
522	Jha, Sakshi	A computational investigation on the mechanism of HOM formation by methyl furans initiated by OH radical	Poster	Posters and Exhibition (I)
599	Jönsson, Linnéa	Towards control of oxidation state of metal nanoparticles generated by spark ablation	Oral	Aerosol synthesis and deposition by spark ablation
405	Julaha, Kajal	Drone based vertical profiling of black carbon aerosols at a rural background and an urban site in Central Europe	Oral	Aerosol Optical Properties: from surface to vertical profiles
406	Julaha, Kajal	Drone based vertical profiling of black carbon aerosols at a rural background and an urban site in Central Europe	Oral	UAV/drones platforms and instrumentation
621	Jung, Jiwoo	Continuous electrostatic aerosol-to-hydrosol sampling and simultaneous enrichment of collected bacteria for PCR detection	Poster	Posters and Exhibition (II)
906	Junninen, Heikki	Aerosol and air ion measurements in Kyiv under the Ukraine-Russian war	Oral	Sources and source apportionment of atmospheric aerosols (V)
881	Juurikkala, Kasper	Intercomparison of deposition nucleation parameterizations in the UCLALES-SALSA model: a case study	Poster	Posters and Exhibition (III)
736	Kadantsev, Evgeny	Real-time cytometry of bioaerosol and coarse particles in the atmosphere in Finland	Poster	Posters and Exhibition (I)
266	Kähärä, Jaakko	Computational methods for generating clusters of oxygenated organic molecules	Poster	Posters and Exhibition (I)

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276	Kalberer, Markus	Majority of Particulate Matter Oxidative Potential has a lifetime of minutes	Poster	Posters and Exhibition (III)
357	Kale, Akshay Shridhar	Generating constant, stable number concentrations of charged aerosols	Oral	Monitoring and control of aerosol physicochemical properties
429	Kalinichenko, Tetiana G.	In-situ studies of air pollution from urban areas in the Katowice conurbation performed using a mobile laboratory located in a manned hot air balloon	Poster	Posters and Exhibition (I)
293	Kalynovskyi, Oleksandr	Application of two-layer filters to assess the radiation situation in the premises air on low levels of the Shelter Object inside the New Safe Confinement	Poster	Posters and Exhibition (I)
442	Kanawade, Vijay Punjaji	When do new particle formation events occur in an urban atmosphere during dry winter?	Oral	New particle formation (I)
444	Kanawade, Vijay Punjaji	Evaluation of Particle Size Magnifier inversion methods for aerosol measurements from diverse geographical environments	Poster	Posters and Exhibition (I)
326	Kang, Hyun Gu	A kinetic model for the formation and thermal desorption of secondary organic aerosol	Oral	Aerosol Formation Kinetics and Dynamics
502	Kangasluoma, Juha	Online measurement of molecular nanoparticle composition using a reagent and polarity-switching Orbitrap mass spectrometer	Oral	Chemical analysis techniques (I)
1104	Kangasniemi, Oskari Veijo Petteri	The Volatility Distribution and Partitioning of Secondary Organic Aerosol from a Ship Engine in Real-World Conditions	Oral	Aerosol transport properties and fluid dynamics
780	Kaniyodical Sebastian, Milin	Ice Nucleation Activity of Aged Dust: Role of Nitric acid and Isoprene	Oral	Molecular dynamics; nucleation and growth
497	Kankaanpää, Miisa Janette	The proximity of high-traffic roads affects the immunotoxicity and allergenicity of pollen	Poster	Posters and Exhibition (II)
166	Kanninen, Katja	From nose to brain: biological effects of ultrafine particles	Oral	Human exposure and health studies; medical and therapeutic applications
994	Karanasiou, Angeliki	Unravelling the origins and sources of oxidative potential in urban PM <sub>x</sub>	Poster	Posters and Exhibition (III)
367	Karhu, Juho	Three-wavelength cantilever-enhanced photoacoustic instrument for measurement of black and brown carbon	Oral	Measurement techniques for carbonaceous aerosols
1053	Karhunen, Tommi	Electrochemistry of LFP and LMFP nanoparticles synthesised with Flame Spray Pyrolysis	Poster	Posters and Exhibition (II)
1039	Karimi Noughabi, Amir	A coupled PBM-CFD model for hetero-aggregate formation in mixing aerosol streams	Poster	Posters and Exhibition (I)
153	Karjalainen, Panu	High Exposure to Exhaust Particle LDSA in Recreational Snowmobile and All-Terrain Vehicle Safaris in a Finnish Resort	Poster	Posters and Exhibition (II)
154	Karl, Matthias	Benchmark Cases for Aerosol Dynamics Simulations over the Arctic Ocean	Poster	Posters and Exhibition (II)
863	Karppinen, Anette	Air quality in a mine – VOCs in a semi-closed space measured with PTR-MS	Poster	Posters and Exhibition (II)
369	Kasongo, John	Physicochemical characterization of atmospheric dust collected on mining sites of the Congolese copper belt	Oral	Air pollution in low-income countries
371	Kasongo, John	Identification of atmospheric dust sources around a smelting site within the Congolese Copper belt	Poster	Posters and Exhibition (III)
918	Katsikari, Stavroula	Assessment of the performance of portable instruments for real-time aerosol monitoring under real-world ambient conditions	Poster	Posters and Exhibition (I)
219	Kau, Daniela	Thermal-optical analysis of mineral dust and elemental carbon: how to handle and utilize interferences	Oral	Measurement techniques for carbonaceous aerosols
236	Kawalek, Matthias	Thermomobility Analysis (TMobA) of airborne nanoparticles	Oral	Size distribution measurement techniques for ultrafine and nanoparticles
808	Kawashima, Hiroto	Source identification of ammonium in PM <sub>2.5</sub> by using nitrogen isotope ratio after COVID-19 in Dhaka, Bangladesh	Poster	Posters and Exhibition (III)

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453	Ke, Piaopiao	Responses of negative intermediate ion production to ecosystem photosynthesis	Poster	Posters and Exhibition (I)
518	Kekäläinen, Timo	Soot-on-snow: Comprehensive chemical fingerprinting of combustion-derived organic aerosols deposited on snow using ultrahigh-resolution APPI/ESI FT-ICR mass spectrometry	Oral	Chemical characterization of carbonaceous aerosols
986	Kelesidis, Georgios A.	Oxidation dynamics of soot or carbon black accounting for its core-shell structure and pore network	Oral	Aerosol growth and evaporation, agglomeration, fragmentation, material synthesis and filtration
992	Kelesidis, Georgios A.	Highly porous carbon blacks for supercapacitors and electrochemical energy storage	Oral	Applications of aerosol technology in catalysis and energy storage
1019	Kelesidis, Georgios A.	Effective density of inhaled environmental and engineered nanoparticles and its impact on the lung deposition and dosimetry	Oral	Exposure: sources, levels and assessment techniques (III)
1056	Keller, Alejandro	Improving total carbon quantification using fast-thermograms	Oral	Measurement techniques for carbonaceous aerosols
622	Kerminen, Veli-Matti	On a paradigm shift in investigating the general characteristics of atmospheric new particle formation using field observations	Oral	New particle formation (I)
130	Khain, Alexander	Effects of convective clouds on transport and size of atmospheric aerosols	Oral	Transport of atmospheric aerosols, modelling and climate forcing (III)
388	Khan, Abdullah	Mitigating Transport-Induced Microplastics through Green Infrastructure: A Sustainable Solution	Poster	Posters and Exhibition (II)
1009	Khan, Mohd Shahzar	Tailpipe on-road emissions of carbonaceous aerosols and gaseous pollutants from light-duty and heavy-duty vehicles for Indian on-road conditions	Poster	Posters and Exhibition (II)
248	Khare, Peeyush	Development of Solvents-Based Offline Aerosol Mass Spectrometry for Comprehensive Chemical Characterization of Ambient Organic Aerosol	Oral	Chemical analysis techniques (II)
185	Kilchhofer, Kevin	Photochemical Aging Changes the Viscosity of Metal Complexed Secondary Organic Aerosols	Oral	Physico-chemical properties of atmospheric aerosols (II)
227	Kim, Ju Young	Distribution of nitrosamine and amides in PM <sub>2.5</sub> in Seoul and Beijing	Poster	Posters and Exhibition (I)
302	Kim, Nakyung	The variations of secondary inorganic aerosol concentrations in PM <sub>2.5</sub> in Northeast Asia from intensive joint measurement from winter 2020 to fall 2022	Poster	Posters and Exhibition (I)
544	King, Martin Daniel	Near-field effects in Mie scattering of aerosol particles predicted by theory are not observed in laser trapping experiments of two particles.	Oral	Aerosol optical properties
310	Kjærgaard, Eva R.	Emissions of salt coated nanoplastics from bubble bursting	Oral	Airborne nano-/microplastics
432	Klebach, Hannah	Nitrate CIMS measurements of nucleator molecules in the Indo-Pacific region during the CAFE Pacific campaign 2024	Oral	New particle formation (III)
807	Klein, Sven Erik	Numerical Simulation of Fiber Deposition Behavior in an Air-Liquid Interface Exposure System	Poster	Posters and Exhibition (II)
513	Knattrup, Yosef	Nitric Acid and Organic Acids Suppress the Role of Methanesulfonic Acid in Atmospheric New Particle Formation	Oral	Aerosol Formation Kinetics and Dynamics
859	Koemets, Paap	Chemical ionization ion spectrometer to measure highly oxygenated clusters up to 5nm	Oral	Chemical analysis techniques (I)
702	Kohut, Attila	Insights into the atomic mixing mechanism during spark ablation	Oral	Aerosol synthesis and deposition by spark ablation
455	Kokkola, Tuukka	Emission factors and optical properties of light-absorbing aerosol emissions from a marine engine	Poster	Posters and Exhibition (II)
593	Kommula, Sneetha Manaswini	Secondary organic aerosol formation from laboratory-biomass burning emissions	Poster	Posters and Exhibition (III)

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1059	Komppula, Mika	Novel Possibilities of In-Situ Cloud Observation with UAV-Mountable Holographic Imager	Oral	Measurement techniques for ambient aerosols
1015	Komsaare, Kaupo	New particle formation during quiet phase of nucleation in dry and wet conditions	Poster	Posters and Exhibition (I)
485	Kong, Lingyu	Spatially resolved composition of laboratory-generated atmospheric model aerosol particles investigated with STXM-NEXAFS	Poster	Posters and Exhibition (I)
509	Konjević, Ivan	Atmospheric Surface-Active Substances Influencing Particle Dynamics and Gas-Particle Interactions: A Novel Electrochemical Approach	Poster	Posters and Exhibition (I)
1072	Konrat, Ruth	Heterogeneous nucleation experiments of water vapor on nanoplastic particles, generated by evaporation and subsequent vapor nucleation	Poster	Posters and Exhibition (I)
796	Konstandopoulos, Athanasios G.	Representation of Flow Resistance Accumulation in Particulate Filters by Weibull Statistics	Oral	Filtration & control technologies for transportation & atmospheric aerosols
742	Kooh Andaz, Ali	A simulation study of the effect of a noise barrier on road dust dispersion using PALM-LES	Poster	Posters and Exhibition (III)
858	Koponen, Hanna	Soot on snow: morphology changes of soot agglomerates deposited on snow	Poster	Posters and Exhibition (III)
998	Koren Likar, Urška	Comparative analysis of supervised machine learning models for PM10 and black carbon concentrations in Soča Valley (Slovenia)	Poster	Posters and Exhibition (I)
451	Korhonen, Kimmo	On-board monitoring of soot and particulate matter emissions from a cruise ship	Poster	Posters and Exhibition (II)
803	Kortelainen, Miika	Synthesis of solid cathode material from (Ni <sub>0.8</sub> Mn <sub>0.1</sub> Co <sub>0.1</sub> )SO <sub>4</sub> -precursor for lithium-ion batteries by spray pyrolysis	Poster	Posters and Exhibition (II)
920	Kostamo, Iida	Long-range transport, characteristics, and scattering effects of atmospheric Saharan dust	Poster	Posters and Exhibition (III)
270	Kouznetsov, Rostislav	On dry deposition velocity of sub-micron aerosols in outdoor experiments	Oral	Transport of atmospheric aerosols, modelling and climate forcing (I)
1093	Kovářík, Jiří	Vertical gradients of atmospheric aerosols chemical composition – comparison of characteristic fragments mass to charge ratio	Poster	Posters and Exhibition (II)
768	Krasa, Helmut	Generation and counting efficiency evaluation of salts generated with the silver particle generator	Poster	Posters and Exhibition (I)
636	Krinke, Thomas	Engineering Aerosols: DMA-Operation as Bandpass Filter for Optimized Yield	Oral	Monitoring and control of aerosol physicochemical properties
704	Krofič, Ana	Influence of black carbon on catechol nitration in aqueous aerosols	Oral	Homogeneous, heterogeneous and multiphase chemistry, secondary aerosols (II)
191	Ku, Bon Ki	Release of Nano-Crystalline Silica During Engineered Stone Fabrication	Oral	Occupational exposures
116	Kubečka, Jakub	ML-enhanced molecular dynamics simulations of atmospheric molecular cluster formation	Oral	Molecular dynamics; nucleation and growth
1065	Kugler, Szilvia	The difference between PM2.5 exposure of COPD patients and healthy adults during physical exercise in a hospital based rehabilitation room	Oral	Exposure: sources, levels and assessment techniques (I)
892	Kugler, Szilvia	Absorbed cell nucleus doses for an adult man and a five year old child	Poster	Posters and Exhibition (II)
1114	Kuittinen, Niina	Particle emissions measured on-board two state-of-the-art LNG vessels	Oral	Marine and aviation aerosol emissions
644	Kulmala, Markku	Is airborne particle production dominating air quality: a comprehensive comparison between clean and polluted environments	Oral	Homogeneous, heterogeneous and multiphase chemistry, secondary aerosols (II)
487	Kumar, Ajit	Source Apportionment of Black Carbon Using Two Widely Utilized Models: Aethalometer Model and PMF Model	Poster	Posters and Exhibition (III)

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457	Kumar, Avinash	Gas phase formation of sulfuric acid in the nocturnal marine environment	Oral	Aerosol Formation Kinetics and Dynamics
715	Kumar, Prashant	Air Quality, Thermal Comfort and Ventilation in 60 London Classrooms	Poster	Posters and Exhibition (III)
223	Kuntz, Volkwin	Occurrence of tire chemicals in German urban and remote PM samples	Oral	Airborne nano-/microplastics
1084	Kupc (Straus), Agnieszka	Investigating particle hygroscopicity in mineral dust mixtures during A-LIFE: does the type of pollution matter?	Poster	Posters and Exhibition (III)
632	Kupper, Martin	Evaluation of Photoacoustic Sensors for Roadside Black Carbon Measurements and Comparison to an Aethalometer	Poster	Posters and Exhibition (I)
635	Kupper, Martin	Roadside Particle Measurement of Category-L Vehicles by Point Sampling	Poster	Posters and Exhibition (II)
640	Kupper, Martin	Cycle-Based and Real Driving Particle Number Emissions of Category-L Vehicles	Poster	Posters and Exhibition (II)
338	Kurdieh, Abdulaziz	Molecular composition and sources of secondary organic aerosol in Ho Chi Minh city, Vietnam	Oral	Molecular characterization of atmospheric aerosols (I)
403	Kushta, Jonilda	A modelling study of current and future dust levels over EMME	Poster	Posters and Exhibition (III)
846	Kuula, Joel	Validation of particle size-resolved light absorption measurement technique using dyed spherical reference particles	Oral	Aerosol optical properties
399	Kylämäki, Katriina	Investigating the effect of ambient temperature on secondary aerosol particle formation from diesel and natural gas passenger car exhaust	Poster	Posters and Exhibition (II)
564	Laaksonen, Ari	Impact of insoluble surfactant films on CCN activation of soot particles	Poster	Posters and Exhibition (II)
521	Laboureur, Marvin	Enhancing Wood Stove Emissions Mitigation: Investigating the Impact of Catalytic Solutions on SOA Formation	Oral	Filtration & control technologies for transportation & atmospheric aerosols
1036	Lage, Joana	Optimized UAV methodology with an integrated low-cost sensing system for air quality monitoring	Oral	UAV/drones platforms and instrumentation
1083	Lage, Joana	Assessment of human exposure to particulate matter during sleep	Poster	Posters and Exhibition (II)
549	LAI, Donger	Significant Conversion of Organic Sulfur from Hydroxymethanesulfonate (HMS) to Inorganic Sulfate and Peroxydisulfate Ions upon Heterogeneous OH Oxidation	Oral	Aerosol-cloud interactions and role in climate feedbacks; Homogeneous, heterogeneous and multiphase chemistry, secondary aerosols; Molecular characterization of atmospheric aerosols
195	Lambert, Silke	The sea on prescription: investigating the link between sea spray aerosols and human health benefits.	Poster	Posters and Exhibition (II)
607	Lampimäki, Markus	Preliminary analysis of size distributions and properties of laboratory based extracellular vesicles	Poster	Posters and Exhibition (III)
295	Ledoux, Frédéric	Characterization of carbonaceous PM <sub>2.5</sub> components in an urban site within the Greater Cairo Area	Oral	Chemical characterization of carbonaceous aerosols
535	Leduc, Julian	Acoustic levitation for the study of respiratory bioaerosols persistence	Oral	New measurement techniques and novel studies (II)
646	Lehtipalo, Katrianne	Improved capability to measure particle size distribution and study aerosol dynamics in the 1-12 nm size range with the novel Particle Size Magnifier 2.0	Oral	Size distribution measurement techniques for ultrafine and nanoparticles
244	Leinonen, Ville	Details of vehicle exhaust PN emissions based on driving parameters and idle comparison to PTI regulations	Poster	Posters and Exhibition (II)
383	Lepistö, Teemu	Identifying regional and local sources of particle lung deposited surface area (LDSA <sub>al</sub> ) in Düsseldorf, Germany	Oral	Health-relevant aerosols and their characteristics
381	Lepistö, Teemu	Comparing instrumentation for particle lung deposited surface area (LDSA <sub>al</sub> ) measurement at road traffic sites with varying conditions	Poster	Posters and Exhibition (I)

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320	Leppänen, Maija	Micro- and nanoplastics in occupational environments	Poster	Posters and Exhibition (II)
114	Lhotka, Radek	On the origin of summer organic aerosol at a background site in Central Europe	Poster	Posters and Exhibition (III)
751	Li, Delun	Examining the Dynamics of Light-Absorbing Elemental and Brown Carbon Particles in Snow in the Finnish Arctic	Poster	Posters and Exhibition (III)
758	Li, Hao	Observation studies of composition, sources and formation process of atmospheric aerosol in marine atmosphere of China	Poster	Posters and Exhibition (III)
519	Li, Xiang	Source apportionment of nitrate aerosol based on dual nitrogen-oxygen isotopic analysis and emission inventory of NO <sub>x</sub> in Xiamen, China	Poster	Posters and Exhibition (III)
653	Li, Xiaoyu	Improving the sectional aerosol module in the large-eddy simulation model PALM 6.0	Oral	Transport of atmospheric aerosols, modelling and climate forcing (II)
633	Li, Yanxia	Organic compounds in gas and aerosol particle phase in downtown Munich during August 2023	Poster	Posters and Exhibition (III)
790	Li, Zijun	Characterising seawater fog plume crosswind structure during a shading trial on the Great Barrier Reef	Oral	Aerosol-cloud interactions and role in climate feedbacks
772	Lidstone-Lane, Fergus Oscar Noah	Experimental Investigation of the Charge on Aircraft Gas Turbine Combustion Engine nvPM	Poster	Posters and Exhibition (III)
743	Liisberg, Jesper Baldtzer	Particle release during cutting of novel aerogel- and conventional MMVF insulation mats	Poster	Posters and Exhibition (II)
1102	Lin, Chuan-Yao	Climate variability of particulate matter in East Asian outflow regions associated with ENSO and Asian dust	Poster	Posters and Exhibition (III)
378	Lin, Chunshui	Switching to 'low-smoke' fuels fails to deliver the intended health benefits	Oral	Health-relevant aerosols and their characteristics
508	Lin, Jack J.	Direct observation of bulk/surface partitioning of a model organosulfate	Poster	Posters and Exhibition (III)
505	Lin, Wen Yinn	Study on Particle and NO <sub>x</sub> Removal Efficiency of Tubular Pulse Wet Electrostatic Precipitator	Poster	Posters and Exhibition (II)
507	Lin, Wen Yinn	The Study of Pressure Drop and Filtration Characteristics of Porous Fiber Filters	Poster	Posters and Exhibition (II)
380	Liu, Bingyan	Manipulating topologies of electric fields with light	Oral	Electric effects including electrosprays and electric discharges
409	Liu, Bingyan	Removal of abundant gaseous ions in Faraday 3D printing	Poster	Posters and Exhibition (II)
609	Liu, Chengfeng	Low-volatility vapours and their detection in Boreal environment – seasonal and vertical trends	Poster	Posters and Exhibition (II)
346	Liu, Shirong	Alternating electric fields for manipulating particle trajectories	Oral	Electric effects including electrosprays and electric discharges
347	Liu, Shirong	Using electric field for nanoprinting of metals over an insulating substrate	Poster	Posters and Exhibition (II)
1112	Liu, Tengyu	Kinetics of the Reaction MSI + O <sub>3</sub> in Deliquesced Aerosol Particles: Implications for Sulfur Chemistry in the Marine Boundary Layer	Poster	Posters and Exhibition (I)
392	Liu, Yiliang	Calibration and performance evaluation of PSM 2.0 on sub-10 nm particle measurements	Poster	Posters and Exhibition (I)
171	Lizal, Frantisek	Experimental and computational modelling of the flow of inhaled fibrous particles in human airways	Oral	Exposure: sources, levels and assessment techniques (III)
738	Lockerby, Duncan A.	Simulating the impact of rarefied-gas effects on the hydrodynamics of fractal aggregates	Oral	Aerosol transport properties and fluid dynamics
200	Lonati, Giovanni	Contribution to ambient PM and related pollutants from industrial emissions: case-study for a WtE plant in the Po valley	Poster	Posters and Exhibition (III)
146	Lopes, Diogo	Assessing the impact of road transport-generated PM <sub>10</sub> on urban air quality	Oral	Transport of atmospheric aerosols, modelling and climate forcing (I)

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713	López Darias, Jessica	Nucleation and ultrafine particles observed during the 2021 volcanic eruption in La Palma Island	Poster	Posters and Exhibition (I)
954	Louhisalmi, Juho	Novel method to measure solid and condensable particulate phases separately from wood stove emissions	Poster	Posters and Exhibition (I)
690	Lübbert, Christian	Characterization of very small particles by mobility-classified mass spectrometry	Oral	Size distribution measurement techniques for ultrafine and nanoparticles
201	Luffarelli, Marta	Aerosol retrieval in presence of clouds from combined Meteosat-8 and Meteosat-11 MSG/SEVIRI observations	Oral	Aerosol remote sensing
748	Luo, Yuanyuan	Formation and temperature dependence of Highly Oxygenated Organic Molecules from $\Delta 3$ -carene ozonolysis	Poster	Posters and Exhibition (I)
1060	Luoma, Krista Hannele	Effect of the engine load and different sulphur mitigation methods on the particulate shipping emissions	Oral	Marine and aviation aerosol emissions
230	M Sadeghi, Hadi	Competitive co-adsorption of mixed atmospheric organics observed directly with surface sensitive XPS	Poster	Posters and Exhibition (III)
482	M'hayham, Mohamed Dahi	Modelling of alpha aerosols spectra – application to Continuous Air Monitors (CAM)	Poster	Posters and Exhibition (II)
594	Maasikmets, Marek	Condensable PM emissions from various types of masonry heaters	Poster	Posters and Exhibition (III)
654	Macias Rodriguez, Juan Camilo	Effects of Laboratory Generated Particulate Pollution on Mice Models of Pulmonary Disease	Oral	Health effects of aerosols (I)
362	Macklin, Jack Patrick	Aerosol phase identification through radiation scattering; instrument development and analysis	Poster	Posters and Exhibition (I)
534	Magnani, Cecilia	Aerosol chemical composition and source apportionment in the Po Valley: one year measurement in the frame of RI-URBANS project	Oral	The Po Valley open air-laboratory: lessons learned and current challenges (I)
358	Mahato, Lukesh Kumar	Formation of supra-particles through the evaporation of aqueous aerosol droplets containing nano copolymer colloidal particles	Poster	Posters and Exhibition (I)
253	Mahjoub, Khansa	Effect of Wood Humidity on Particulate Emissions from Wood Combustion in a Residential Heating Stove	Oral	Combustion generated carbonaceous aerosols
557	Maity, Rakesh	Anatomy of sulfate formation during winter in Delhi	Poster	Posters and Exhibition (III)
308	Mäkinen, Ukko-Ville	From Engine Braking to Renewable Fuels: Aerosol Characteristics, and Secondary Aerosol Formation of Heavy-Duty Diesel emissions	Poster	Posters and Exhibition (II)
1006	Makkonen, Risto	Simulating Arctic aerosols during MOSAiC expedition with global aerosol-chemistry model TM5	Oral	Aerosols and clouds in polar regions (II); atmospheric ice nucleation (II)
586	Makorič, Petra	Comparison of offline and online measurements of particulate matter in Sarajevo during SAAERO field campaign	Oral	Optical measurement techniques
964	Malet, Jeanne	Efficiency of aerosol surface concentration measurement by fluorimetry	Poster	Posters and Exhibition (I)
983	Malet, Jeanne	Aerosol characterization on noisy surfaces by deep-learning methods	Poster	Posters and Exhibition (I)
565	Malmborg, Vilhelm	ROS surface activity in three classes of engineered carbonaceous nanomaterials	Oral	Oxidative potential of aerosol particles and health risks
567	Malmborg, Vilhelm	Firenode - A sensor network for real-time monitoring of air pollution in the workplace	Poster	Posters and Exhibition (II)
137	Malollari, Gladiola	First lidar observations of pollution-dust aerosol conditions in Tirana, Albania	Poster	Posters and Exhibition (I)
575	Manavi, Stella Eftychia	Simulating intermediate volatility organic compounds (IVOCs) emitted from biomass burning utilizing a lumped species approach.	Oral	Transport of atmospheric aerosols, modelling and climate forcing (II)
774	Mancinelli, Enrico	Multi-decadal trends in aerosol optical depth of the main aerosol species based on MERRA-2 reanalysis: a case study in the Baltic Sea basin	Oral	Aerosol remote sensing

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312	Mancio, Emanuel Fernandes Dias	Cooperative Effect Between Acids on Amazon Rainforest Aerosol Formation	Poster	Posters and Exhibition (I)
696	Manders, Astrid	Improving particle number modelling for the Netherlands	Oral	Transport of atmospheric aerosols, modelling and climate forcing (I)
597	Manousakas, Manousos Ioannis	Impact of non-exhaust traffic emissions on coarse particles and their oxidative potential	Oral	Oxidative potential of aerosol particles and health risks
511	Mansour, Karam	A data-driven approach to investigate the link between marine sulfur emissions and the North Atlantic climate variability	Oral	Aerosol-cloud interactions and role in climate feedbacks
531	Mardonez Balderama, Valeria Paola	Black carbon mapping through bicycle-based sampling in Milan, Italy	Oral	The Po Valley open air-laboratory: lessons learned and current challenges (II)
1029	Mardóñez-Balderama, Valeria	Source apportionment of PM10 tropical tropospheric aerosol at 5380 m.a.s.l.	Poster	Posters and Exhibition (III)
161	Marengo, Franco	Unmanned Aerial Vehicles and Remote Sensing for satellite calibration and validation	Oral	UAV/drones platforms and instrumentation
872	Markkula, Lassi	Impact of novel fuel concepts on particle emissions of diesel engine	Oral	Aerosols from combustion of novel fuels
255	Martinmäki, Tatu	Development of pyrolysis-GC-MS method for common plastics and tyre wear rubbers in urban PM10	Poster	Posters and Exhibition (III)
377	Martins Pereira, Guilherme	Chemical characterization and size distribution of particulate matter emissions from food preparation (charcoal, wood, and liquefied petroleum gas)	Poster	Posters and Exhibition (III)
394	Massabò, Dario	BLAnCA: an innovative instrument for measuring the absorption coefficient of aerosols at high spectral resolution	Oral	Optical measurement techniques
318	Massoudifarid, Milad	Integration of a continuous flow aerosol-to-hydrosol electrostatic sampling with a real-time microfluidic base nucleic acid extraction system for rapid bioaerosol detection	Poster	Posters and Exhibition (III)
128	Mathes, Theresa	Near-surface aerosol concentration profiles above the Arctic sea ice	Oral	Aerosols and clouds in polar regions (I)
524	Matos, V.	Temporal trends of aerosol types classified based on the optical properties from AERONET and in situ data in Valencia (Eastern Spain)	Poster	Posters and Exhibition (III)
884	Mattsson, Fredrik	Enhancement of organic nitrogen species in fog residuals and fog water in the Italian Po Valley	Poster	Posters and Exhibition (III)
462	Mazzei, Federico	Bioaerosol and ChAMBRé: an atmospheric simulation chamber to study bacterial viability in different environmental conditions	Poster	Posters and Exhibition (II)
301	Mazzi, Giovanna	Glyphosate, benzothiazoles, bisphenols and more Organic Emergent Contaminants in PM10: spatial distribution in urban areas of the Po valley	Oral	The Po Valley open air-laboratory: lessons learned and current challenges (II)
991	McPherson, George	Derivation of particle effective density from aircraft engines burning conventional and sustainable aviation fuels using a fastDMA-ELPI+ method	Poster	Posters and Exhibition (III)
695	Meda, Bala Naga Manikanta	Evaluation of WRF-Chem Simulated PM1 chemical composition and particle size distribution	Poster	Posters and Exhibition (III)
112	Meinander, Outi	African dust long-range transport and deposition modelling verified through a successful citizen science campaign in Finland	Oral	Transport of atmospheric aerosols, modelling and climate forcing (III)
613	Meng, Yue	Influence of Mucin on Droplet Evaporation and Hygroscopic Growth: Shell Formation and Implications for Pathogen Inactivation	Poster	Posters and Exhibition (I)



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364	Mercuri, Emilio Graciliano Ferreira	Particulate matter signature and prediction with Random Forest in Curitiba, Brazil	Poster	Posters and Exhibition (I)
585	Mickwitz, Valter Alexander	An algorithm for automated peak identification in atmospheric mass spectra	Poster	Posters and Exhibition (I)
385	Mikkola, Johannes	The impact of topography and emissions on mountain venting	Oral	Transport of atmospheric aerosols, modelling and climate forcing (II)
568	Mikkonen, Santtu	High primary and secondary emissions from hundreds of chased vehicles	Poster	Posters and Exhibition (II)
611	Miles, Barnaby	Evaporation Kinetics and Final Particle Morphology of multi-component Salt Solution Droplets	Oral	Aerosol growth and evaporation, agglomeration, fragmentation, material synthesis and filtration
493	Miljevic, Branka	Methanesulfonic and sulfuric acid in the Southern Ocean and Antarctic region: insights from three Southern Ocean voyages	Oral	Aerosols and clouds in polar regions (II); atmospheric ice nucleation (II)
678	Mills, Sophie A.	Local spatiotemporal dynamics of oak pollen measured by machine learning aided optical particle counters	Oral	Bioaerosols (II)
458	Minderyte, Agne	The role of the sea for aerosol chemical composition: Simultaneous aerosol chemical composition observations at Preila and Hyltemossa during the cold season	Poster	Posters and Exhibition (III)
878	Mirme, Sander	TinyLyon Counter: a new low-cost cluster ion measurement device	Poster	Posters and Exhibition (I)
375	Mishra, Ashmi	Diffusion-limited kinetics of iron citrate photochemical degradation in organic films	Oral	Homogeneous, heterogeneous and multiphase chemistry, secondary aerosols (II)
1116	Mishra, Suneeti	Biomass burning induced nocturnal nano-particle growth in an urban polluted hot spot	Poster	Posters and Exhibition (I)
104	Misiulia, Dzmitry	Development of a high-flow respirable cyclone sampler	Poster	Posters and Exhibition (II)
376	Mitsakou, Christina	Transboundary pollution and desert dust transport: impacts on air quality and health in the UK	Oral	Health-relevant aerosols and their characteristics
1069	Modesto-Lopez, Luis	Development of an electrostatic-assisted flow blurring atomizer for material synthesis	Oral	Electric effects including electrosprays and electric discharges
977	Modini, Rob	Long range transport of smoke over Switzerland: combining remote sensing and in situ observations to explain a unique spectral light extinction feature	Oral	Aerosol remote sensing
956	Modini, Robin	Effects of aging on the dithiothreitol-based oxidative potential of carbonaceous aerosols studied in an atmospheric simulation chamber	Oral	Smog chamber and flow tube simulations and experiments
147	Mohamadi Nasrabadi, Ali	Synergistic Effects of UVA, UVC, and H <sub>2</sub> O <sub>2</sub> on Airborne Virus Deactivation in a 19 m <sup>3</sup> Atmospheric Chamber	Poster	Posters and Exhibition (II)
187	Molero, Francisco	Influence of synoptic meteorological patterns on the boundary layer height over Madrid from 2020 to 2023 using ceilometer profiles	Poster	Posters and Exhibition (III)
188	Molero, Francisco	Interaction of pollen-rich atmospheric layers and water vapour provided by fluorescence Raman lidar measurements	Poster	Posters and Exhibition (I)
391	Molnár, Peter	Wood burning in a residential area in Sweden using the Odin sensor, levels, wood use and neighbour complaints survey	Poster	Posters and Exhibition (II)
525	Moormann, Lasse	From conception to field campaign: Hexacopter-based on-line measurement of aerosol particles and trace gases complements ground-based analysis	Oral	UAV/ drones platforms and instrumentation
937	Morawiec, Aleksandra Julia	Comparative Evaluation of Growth Rate Estimations Derived from CLOUD Experiment Data	Poster	Posters and Exhibition (I)

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551	Morawska, Lidia	Ultrafine particle monitoring to support WHO 2021 UFP Good Practice	Oral	Measurement and calibration techniques for number concentration measurements
552	Morawska, Lidia	A novel method for estimating the PM <sub>2.5</sub> contributions from motor vehicle traffic and the background using two low-cost sensors	Oral	Sources and source apportionment of atmospheric aerosols (VII)
554	Morawska, Lidia	Assessing school children's personal exposure to PM <sub>2.5</sub> in Suva, Fiji	Poster	Posters and Exhibition (II)
756	Moreira, Kelly Schneider	Electrohydrodynamic Atomization (EHDA): automatic classification and data analysis	Oral	Electric effects including electrosprays and electric discharges
761	Moreira, Kelly Schneider	Specially manufactured marked nanoplastics for water technology applications using Electrohydrodynamic Atomization (EHDA)	Oral	Electric effects including electrosprays and electric discharges
533	Moreno-Martín, Verónica	Human and environmental risks of incidental nanoparticles released during ceramic tile dry cutting without preventive measures	Oral	Occupational exposures
888	Morrow, Justin David	Characterization of Aerosol Emission from Ultra High Speed 3D Printing	Poster	Posters and Exhibition (II)
801	Mukherjee, Arya	Optical properties of open biomass burning emission aerosols and their chemical characteristics: insights from dark and photochemical ageing conditions	Oral	Optical Properties of Black and Brown Carbon
749	Mülhopt, Sonja	Numerical Simulation of Fibre Dose in an Air-Liquid-Interface Exposure System	Poster	Posters and Exhibition (II)
833	Mullins, Benjamin James	Carbonaceous and secondary aerosols at a new supersite	Oral	Sources and source apportionment of atmospheric aerosols (II)
798	Mullins, Benjamin James	A novel method for optimising the location and spatial density of ambient aerosol monitoring networks	Poster	Posters and Exhibition (III)
448	Murashko, Kirill	Spray-dried N- and P-doped Si/graphite composite for high-performance Li-ion batteries	Poster	Posters and Exhibition (I)
108	Murzyn, Frédéric	Field study of dump truck-induced dust resuspension on unpaved roads using low-cost sensors	Poster	Posters and Exhibition (II)
197	Mussalo, Laura Elina	Metabolic changes in primary olfactory mucosa cells from cognitively healthy and individuals with Alzheimer's disease exposed to ultrafine particles	Poster	Posters and Exhibition (II)
815	Mustonen, Linnea Adalmiina	Arctic Ocean Expedition 2001: Immersion Freezing Analysis on Preserved Filters	Poster	Posters and Exhibition (III)
757	Nagy, Attila	Performance characterization of some low-cost environmental sensors	Oral	Miniaturized and low cost instrumentation
1045	Nagy, Attila	Measurement of the size distribution and concentration trends of exhaled particles during different activities	Poster	Posters and Exhibition (II)
634	Nannu Shankar, Sripriya	Online monitoring of delivered dose in an in vitro aerosol exposure system using the Scanning Mobility Particle Sizer (SMPS)	Poster	Posters and Exhibition (I)
676	Nannu Shankar, Sripriya	A mesh-hopper system for delivering microplastic fibers to cells at the air-liquid interface for toxicity assessment	Poster	Posters and Exhibition (III)
703	Nannu Shankar, Sripriya	Assessing varied nanoparticle deposition patterns to A549 cells at the air-liquid interface through the Dosimetric Aerosol in Vitro Inhalation Device	Poster	Posters and Exhibition (III)
1003	Nasir, Zaheer Ahmad	Advances in real-time characterisation of biological materials in airborne particles	Oral	Exposure: sources, levels and assessment techniques (II)
744	Navas Guzmán, Francisco	Monitoring the outstanding outbreak of Canadian wildfire smoke over Granada (Spain) in June 2023	Poster	Posters and Exhibition (III)
532	Neal, Edward Dominic	Investigating the Impact of Particle Morphology on Resuspension	Oral	Aerosol transport properties and fluid dynamics

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944	Neitola, Kimmo Antero	PARTICULATE MATTER CONCENTRATION EVALUATION OF VAISALA'S AQ560 AGAINST MULTIPLE EQUIVALENCE REFERENCE METHODS	Poster	Posters and Exhibition (I)
372	Neuberger, Almuth	The influence of aerosol particles on fog droplet characteristics during the Fog and Aerosol Interaction Research Italy (FAIRARI) campaign 2021/22	Oral	The Po Valley open air-laboratory: lessons learned and current challenges (I)
110	Neukirchen, Carsten	Physical and chemical characterization of emissions from a EURO 7 brake dyno	Poster	Posters and Exhibition (II)
706	Niederberger, Emy	AI-based fungal spores' identification and real-time monitoring in agriculture	Poster	Posters and Exhibition (III)
913	Niemi, Jarkko V.	Air quality trends and insights at street canyon supersite in Helsinki since year 2015	Poster	Posters and Exhibition (III)
1026	Nieminen, Tuomo	Long-term trends of particle size-distributions and new particle formation at San Pietro Capofiume, Italy	Poster	Posters and Exhibition (I)
430	Nimo, James	Assessing space-time disparities of fine particulate matter (PM <sub>2.5</sub> ) levels in two urban settings of Ghana: Empirical evidence from calibrated low-cost air quality sensors	Oral	Air pollution in low-income countries
694	Nissenbaum, Dori	Using AI for Studying Extreme Dust Events in the East Mediterranean	Oral	Transport of atmospheric aerosols, modelling and climate forcing (III)
693	Nissenbaum, Dori	UAV based Aerosol Measuring System: Biomass Burning Event Test Case	Poster	Posters and Exhibition (I)
900	Nissinen, Aki	Non-ideal volatility shifts of levoglucosan in organic aerosol mixtures	Poster	Posters and Exhibition (III)
1111	Noda, Jun	Infectious Disease and Airborne Fomites: prolonged viability of microbes in the Atmosphere	Oral	Health effects of aerosols (I)
374	Noe, Steffen M.	Tridacantia exposure to atmospheric pollutants using Trad-SHM bioassay and Backward Sliding Window (BSW)	Poster	Posters and Exhibition (I)
935	Nøjgaard, Jakob Klennø	Exposure to elemental carbon and polycyclic aromatic hydrocarbon during asphalt paving	Poster	Posters and Exhibition (II)
958	Nowak, Andreas	Development of a primary standard for particle number concentration	Oral	Measurement and calibration techniques for number concentration measurements
345	Ntziachristos, Leonidas	Investigation of particle emissions from homogeneous NH <sub>3</sub> combustion in a spark ignition engine	Oral	Aerosols from combustion of novel fuels
224	O'Meara, Simon Patrick	A method for testing the significance of novel aerosol processes	Poster	Posters and Exhibition (I)
791	O'Meara, Simon Patrick	Is indoor-generated secondary organic particulate matter significant for residences?	Poster	Posters and Exhibition (II)
1120	Obando Nunez, Daniel Ricardo	Measurements of Air Pollutants at the Underground Train Station of the BER Airport and its Adjacent Tunnel	Oral	Sources and source apportionment of atmospheric aerosols (VII)
1109	Oberreit, Derek	Design and Performance of a Water-Based Condensation Particle Counter for Measurement of Aerosolized Ultrapure Liquids	Poster	Posters and Exhibition (I)
619	Offer, Svenja	Photochemically aging of residential wood combustion emissions induces inflammatory responses in mice and air-liquid interface exposed RAW264.7 murine macrophages	Oral	Health effects of aerosols (II)
172	Oghama, Osayomwanbor Ebenezer	Influence of fuel type variability and photochemical aging on the chemical characteristics and evolution of gas-phase organics emitted from biomass burning	Oral	Smog chamber and flowtube simulations and experiments
437	Oh, Seungmee	Chemical mechanisms of sulfate formation during the Arctic haze	Poster	Posters and Exhibition (II)
467	Öhmeman, Hugo	Evaluation Of Methods for Aerosolization of Polystyrene Latex Nanoparticles and Assessment of Their Toxicity in the Context of Studies on Lung Deposition	Oral	Human exposure and health studies; medical and therapeutic applications

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904	Öhnmeman, Hugo	Evaluation Of Methods for Aerosolization of Polystyrene Latex Nanoparticles and Assessment of Their Toxicity	Poster	Posters and Exhibition (I)
203	Oikarinen, Henri	Gaseous emissions and chemical composition of particles from auxiliary heaters of cars	Poster	Posters and Exhibition (II)
423	Ojala, Aliisa	Computational study of cresol autoxidation: Initial steps in secondary organic aerosol formation	Oral	Aerosol Formation Kinetics and Dynamics
1099	Okochi, Hiroshi	Curren Status of Airborne Microplastics Research in Japan	Poster	Posters and Exhibition (III)
342	Olenius, Tinja	Towards quantitative new-particle formation predictions: coupling of molecular and large-scale modeling	Oral	Climate effects
523	Olszok, Vincent	Composition distributions of multi-element aerosol nanoparticles obtained by DMA-spICP-MS	Oral	Monitoring and control of aerosol physicochemical properties
1108	Onasch, Timothy	Fast Response NOx/NO2 Monitor for Monitoring Aircraft Emission Plumes	Poster	Posters and Exhibition (III)
1050	Onasch, Timothy B	Near Infrared-Absorbing, Non-Black Carbon Particulate Material from Biomass Burning	Poster	
938	Ortega, Ismael Kenneth	Aircraft engine On-wing non-volatile particle emissions measurements from raw exhaust	Poster	Posters and Exhibition (III)
547	Oswin, Henry	A novel method for quantifying the airborne infection risk of indoors spaces	Poster	Posters and Exhibition (III)
700	Ou, Hengjia	Seasonal variation and anthropogenic influence on cloud condensation nuclei (CCN) activity in the South China Sea: Insights from shipborne observations during summer and winter in 2021	Poster	Posters and Exhibition (II)
685	Ovaska, Aino	Global accumulation-mode particle concentrations with machine learning models	Oral	Aerosol-cloud interactions and role in climate feedbacks; Homogeneous, heterogeneous and multiphase chemistry, secondary aerosols; Molecular characterization of atmospheric aerosols
876	Öztürk, Fatma	The Size Segregated Characteristics of PM-Bound Reactive Oxygen Species (ROS) and its Influencing Factors at an Urban Site in Bolu (Türkiye)	Oral	Oxidative potential of aerosol particles and health risks
896	Öztürk, Fatma	Impact of Biomass Burning on the Chemical Composition and Light Absorption of Size Segregated Aerosols in Bolu (Türkiye)	Oral	Chemical characterization of carbonaceous aerosols
510	Paasonen, Pauli	New particle formation events over land area and traffic emissions as main nucleation mode particle sources in coastal Southern Finland	Oral	New particle formation (I)
788	Paatero, Jussi	Iron content and magnetic properties of urban aerosols in Helsinki 1962-2005	Poster	Posters and Exhibition (III)
155	Pacner, Jan	Evolution of Heavy metals concentration between 2010–2021 in the Czech Republic	Poster	Posters and Exhibition (II)
903	Pacner, Jan	microAeth® MA350 and Aethalometer AE33 intercomparison results at a rural background station in Central Europe	Poster	Posters and Exhibition (I)
365	Padoan, Sara	Source apportionment of trace elements in a one-year study at a background sampling site in Munich	Oral	Sources and source apportionment of atmospheric aerosols (IV)
162	Padoan, Sara	Case study in a polluted municipality in the Po valley: chemometric approach for the identification of major emission sources	Poster	Posters and Exhibition (III)
1004	Pagels, Joakim	Brake particle emissions from traditional grey cast iron and novel tungsten carbide reinforced laser clad brake discs	Oral	Aerosol emissions from brake/tyre wear & non-mobile sources
264	Paglione, Marco	Determination of aerosol acidity and its impact on air quality in the Po Valley: measurements and modeling estimates during the FAIRARI campaign in comparison with decadal trends	Oral	The Po Valley open air-laboratory: lessons learned and current challenges (I)

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240	Paglione, Marco	Chemical characterization of sub-micrometer marine aerosol around the Ross Sea during CAIAC (2022-23 Antarctic summer)	Poster	Posters and Exhibition (II)
936	Pail, Mario	Nucleation of Evaporated Volatile Brake Pad Compounds and Simulation of a Regulation-Compliant Total Particle Measurement Setup	Poster	Posters and Exhibition (I)
834	Pandey, Akanksha	Tracking urban aerosols using multi-satellite retrievals over South Asia	Poster	Posters and Exhibition (III)
765	Pandey, Anjanay	PM2.5 bound chemical characterization and source apportionment analysis during stubble burning period in Punjab: Implications for Delhi's air quality	Oral	Apportionment of biomass combustion and fires
721	Pannu, Sombir	Assessment of atmospheric aerosols in urban environment: A one-year follow-up study in New Delhi	Oral	Exposure in specific microenvironments
746	Papagiannis, Stefanos	Assessment of elemental inhomogeneity in cascade impactor filter samples using MA-XRF	Oral	New measurement techniques and novel studies (I)
1071	Paraskevopoulou, Despina	Long-term analysis (2018-2022) of Brown Carbon absorption characteristics in Athens from ambient measurements; water-soluble and methanol-soluble organic matter	Poster	Posters and Exhibition (III)
292	Park, Soojin	Influence of local concentrations in outdoor exposure of urban population to particle mass, number, and black carbon	Oral	Health-relevant aerosols and their characteristics
135	Park, Young Ok	Fine particulate Removal Characteristics of NH3-SCR Catalyst Cartridge Coupled Filter Bags	Poster	Posters and Exhibition (II)
739	Partovi, Fariba	Optimizing Chemical Ionization Detection of Compounds Impacting the Well-being of the Environment	Poster	Posters and Exhibition (I)
328	Pasik, Dominika Zofia	Gas-Phase Oxidation of Atmospherically Relevant Unsaturated Hydrocarbons by Acyl Peroxy Radicals	Poster	Posters and Exhibition (III)
766	Passig, Johannes	Single-particle perspective on wildfire aerosols: composition, ageing effects and mixing	Oral	Molecular characterization of atmospheric aerosols (I)
387	Patanen, Minna	Advanced X-ray characterization methods to probe chemical composition and morphology of free-flying aerosols	Oral	New measurement techniques and novel studies (II)
1012	Patel, Deep	Printing small dots (<50 µm) with nanometre size (3 nm–50 nm) aerosol using impaction	Poster	Posters and Exhibition (I)
837	Pelliccioni, Armando	A risk index to estimate the probability of human regional deposition of current ultra fine particles in an urban indoor environment.	Poster	Posters and Exhibition (II)
901	Pelliccioni, Armando	Dynamical evaluation of size distribution for ultrafine particulate in an indoor classroom	Poster	Posters and Exhibition (II)
1011	Peltokorpi, Saara	Particle hygroscopicity and CCN emission factors in savannah and boreal fires with varying burning conditions	Oral	Physico-chemical properties of atmospheric aerosols (I)
460	Peltola, Maija	On the future needs of indoor air research	Oral	Exposure: sources, levels and assessment techniques (I)
169	Peltola, Maija	Local new particle formation at the Baltic Sea Coast	Poster	Posters and Exhibition (I)
729	Perez Fogwill, Germán Andrés	The Sample Volume Effect on Observations of Ice Nucleating Particle Concentrations	Poster	Posters and Exhibition (III)
871	Perfetti, Camilla	Impact of vertical and horizontal dynamics on pollutants concentrations at ground level in the Po Valley region	Poster	Posters and Exhibition (III)
221	Pernov, Jakob Boyd	Pan-Arctic Methanesulfonic Acid Aerosol: Source regions, atmospheric drivers, and future projections.	Poster	Posters and Exhibition (II)
728	Petäjä, Tuukka	Update on Service Tools prepared within Research Infrastructures Services Reinforcing Air Quality Monitoring Capacities in European Urban & Industrial Areas (RI-URBANS)	Oral	Measurement techniques for ambient aerosols
806	Petit, Jean-Eudes	Near real time source apportionment of carbonaceous aerosols: lessons learnt from RI-URBANS pilot study	Oral	Sources and source apportionment of atmospheric aerosols (II)

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1063	Petit, Jean-Eudes	The SIRTA-z5 observatory: an essential platform to understand atmospheric chemistry in the Paris region	Oral	Air quality supersites
988	Petracca Altieri, Rosa Maria	Access to ACTRIS services	Poster	Posters and Exhibition (III)
899	Petrinoli, Kalliopi	Linking sources of organic aerosol to health indicators at a major Mediterranean city: 6 years observations of aerosol chemical composition and sources along with oxidative potential	Poster	Posters and Exhibition (III)
874	Petzold, Andreas	Aviation non-CO2 emissions at cruise altitude – Regular observations of aviation induced aerosol particles, water vapour, and clouds by instrumented passenger aircraft in IAGOS	Oral	Characterization and impact of aerosol emissions from aviation
1118	Pfeiffer, Tobias Vincent	On stability requirements for aerosol generators in nanoparticle printers	Oral	Aerosol synthesis and deposition by spark ablation
474	Pichelstorfer, Lukas	Towards automated inclusion of autoxidation chemistry in models	Oral	Aerosol Formation Kinetics and Dynamics
868	Piedehierro, Ana A.	Low-temperature ice nucleation behavior of long-range transported mineral dust	Oral	Aerosols and clouds in polar regions (II); atmospheric ice nucleation (II)
1024	Pietroangelo, Adriana	The nation-wide dataset of urban PM10 chemical speciation for Italy: a novel PMF application for source apportionment at Country-scale	Oral	Sources and source apportionment of atmospheric aerosols (IV)
809	Pignatelli, Alessia	Comprehensive Investigation of Primary and Secondary Combustion-generated Aerosols from Different Fuels	Oral	Physico-chemical properties of atmospheric aerosols (I)
673	Pippal, Prity S.	Characterization and identification of trace elements and source apportionment of atmospheric Aerosols	Poster	Posters and Exhibition (III)
319	Piri, Amin	Enhanced enrichment of collected airborne coronavirus and influenza virus samples via a ConA-coated microfluidic chip for PCR detection	Oral	Bioaerosols (I)
942	Piri, Amin	Comparative effects of artificial human saliva and deionized water as aerosolization mediums on airborne virus sensing technologies	Poster	Posters and Exhibition (II)
280	Poikkimäki, Mikko	Micro- and nanoplastic sampling strategy and exposure levels	Oral	Airborne nano-/microplastics
165	Poikkimäki, Mikko	Atmospheric local scale nanomaterial dispersion and exposure modeling	Poster	Posters and Exhibition (II)
336	Pokomá, Petra	PM10 elemental composition at a rural background site – The effect of dispersion normalisation on long-term concentrations and sources	Oral	Sources and source apportionment of atmospheric aerosols (VI)
839	Polat, Merve	Characterization of particulate emissions during asphalt paving in southern Sweden	Oral	Occupational exposures
795	Poole, Megan L.	Understanding Changes in Aerosol Optical Properties: Nitrate and Hydroxyl Radical Oxidation Experiments	Poster	Posters and Exhibition (I)
817	Pope, Francis D.	Acute Particulate Matter Exposure diminishes executive cognitive functioning, irrespective of nasal or oral inhalation pathway	Oral	Human exposure and health studies; medical and therapeutic applications
222	Popovicheva, Olga	Black carbon in the Western Siberian and Central Arctic: Combined observations and modelling from Island Bely and MOSAiC expedition	Poster	Posters and Exhibition (II)
995	Popovicheva, Olga	PM10-bound PAHs and n-Alkanes in large European metropolitan area: seasonal variability and toxicity source apportionment	Poster	Posters and Exhibition (II)
628	Poulain, Laurent	30 years of aerosol chemical characterization at the TROPOS research station Melpitz by offline and online approaches	Oral	Air quality supersites
631	Poulain, Laurent	Influence of traffic-related ammonia emissions over the state of Saxony, Germany	Poster	Posters and Exhibition (III)
617	Preger, Calle	A Dedicated Aerosol Sample Delivery System for In-flight X-ray Photoelectron Spectroscopy Studies at MAX IV Laboratory	Poster	Posters and Exhibition (I)

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580	Pullinen, Iida	Changes in peatland ecosystems: first look into aerosol formation potential	Oral	Homogeneous, heterogeneous and multiphase chemistry, secondary aerosols (I)
1097	Punter, Phillip	Exposures to metallic aerosols in transport microenvironments in London, UK.	Oral	Exposure: sources, levels and assessment techniques (I)
894	Purén, Joonas	First results of the Airmodus DMA controller and mobility particle size spectrometer	Poster	Posters and Exhibition (I)
731	Puthukadan Moosakutty, Shamjad	Source apportionment and Chemical Composition of Particulate Matter in an Urban Arid Region: First ACSM and Xact observations in Doha, Qatar	Poster	Posters and Exhibition (III)
997	Qi, LU	Seasonal molecular characterization of organic aerosol variation in urban air: major sources, compositions, and contribution to secondary organic aerosol	Poster	Posters and Exhibition (III)
202	Rafferty, Aidan	Broadband light scattering and cavity ring-down spectroscopy measurements on single absorbing aerosol particles	Poster	Posters and Exhibition (I)
152	Rahbar, Hossein	Process design for gas phase of iron nanoparticle from iron pentacarbonyl	Oral	Aerosol growth and evaporation, agglomeration, fragmentation, material synthesis and filtration
226	Rahbar, Hossein	Effects of carbon impurity on sintering rate of nickel nanoparticles	Poster	Posters and Exhibition (I)
924	Ramachandran, Reshma	Antibacterial electrospun wound dressing with flame-made Ag/SiO <sub>2</sub> nanoparticles	Poster	Posters and Exhibition (II)
951	Ramachandran, Reshma	Fabrication and characterization of inexpensive nanofibrous wound dressings	Poster	Posters and Exhibition (II)
921	Ramos Perez, Alvaro	Visualization and characterisation of local aerosol retention for non-ideal bubbles	Oral	Aerosol transport properties and fluid dynamics
912	Ranjan, Rahul	Unveiling the impact of size-dependent aerosol composition on closure between predicted and observed Cloud Condensation Nuclei	Oral	Aerosol-cloud interactions and role in climate feedbacks
506	Raptis, Ioannis	EVALUATION OF A MINIATURISED EXHAUST EMISSION MEASURING SYSTEM FOR L CATEGORY VEHICLES MEASUREMENTS OF BLACK CARBON	Oral	Measurement techniques for carbonaceous aerosols
987	Rathore, Jaswant	Dust Storm over Delhi-NCR: Implications on Atmospheric Boundary Layer Height	Oral	Aerosol optical properties
862	Rausch, Juanita	Using SEM/EDX morpho-chemical single particle analysis for elemental source apportionment in PM <sub>10-2.5</sub> following a validation with ICP-MS/-AES data	Oral	Sources and source apportionment of atmospheric aerosols (V)
867	Reischl, Bernhard	Searching for the atomic scale mechanism of atmospheric ice nucleating particles: hydration layer structures on K-Feldspar microcline surfaces from a combination of atomistic simulation and atomic force microscopy	Oral	Atmospheric ice nucleation (I)
573	Rembe, Philipp Oskar	Utilizing electrostatic forces for the synthesis of Taylor made hetero aggregates	Oral	Monitoring and control of aerosol physicochemical properties
645	Remškar, Maja	Selective detection of aerosolised respiratory droplets in ambient air	Poster	Posters and Exhibition (I)
142	Resch, Julian	Chemiluminescent Detection and Quantification of Peroxides in Aerosols using HPLC In-Column Derivatization with Luminol	Oral	Chemical analysis techniques (I)
466	Rex, Johannes	Fire emissions from novel and conventional building materials in small-scale fire testing	Oral	Occupational exposures
344	Reyzek, Florian	Aggregation of ice-nucleating macromolecules from birch pollen determines ice nucleation efficiency	Poster	Posters and Exhibition (III)
520	Righi, Cecilia	Optimization of sulfuric acid calibration of Chemical Ionization Mass Spectrometer	Poster	Posters and Exhibition (I)
181	Rinaldi, Matteo	Characterization of indoor particulate matter in relation to outdoor air quality and evaluation of nature based solutions in living environments	Poster	Posters and Exhibition (III)

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783	Rinaldi, Selina	The transcriptomic changes of 16hbe14o lung cells in response to e-cigarette flavours in two different exposure settings - submerged and ALI	Oral	Toxicity of aerosols: exploring air-liquid interface exposure
561	Rinta-Kiikka, Henna	The effect of the dilution ratio on the particulate emissions from modern wood stove	Poster	Posters and Exhibition (I)
919	Risby, Kelvin	Aerosol Synthesis Routes for Complex Magnesium Nanostructures: Spheres to Snowflakes	Poster	Posters and Exhibition (II)
810	Rissanen, Matti	Gas-phase source of organosulfates?	Oral	Aerosol-cloud interactions and role in climate feedbacks; Homogeneous, heterogeneous and multiphase chemistry, secondary aerosols; Molecular characterization of atmospheric aerosols
183	Robertson, Stephen Alexander	Characterisation of a New Commercial Oxidation Flow Reactor	Poster	Posters and Exhibition (I)
870	Roblin, Arthur	Deep learning for degraded spectra analysis	Oral	Aerosol-surface interactions and data-driven modeling of aerosol processes
708	Rodríguez, Sergio	Biorelevant soluble trace metals in the atmospheric aerosols transported observed over the tropical North Atlantic at Cape Verde	Oral	Transport of atmospheric aerosols, modelling and climate forcing (III)
712	Rodríguez, Sergio	The composition of the atmospheric aerosols during the 2021 eruption and post-eruption periods at La Palma Island	Oral	Sources and source apportionment of atmospheric aerosols (VI)
679	Rodríguez, Sergio	Influence of Saharan dust on the migration and fisheries of the Atlantic tropical tuna: the Atlantic - Saharan migration	Poster	Posters and Exhibition (III)
684	Rodríguez, Sergio	Identification of North African regions inducing variability of dust composition in the Saharan Air Layer during the VARDUSTAL campaign at high altitude in Cape Verde	Poster	Posters and Exhibition (III)
148	Rohkamp, Marius	Turboshaft-engine emissions using 30%, 50% and 100% HEFAs sustainable aviation fuel	Oral	Characterization and impact of aerosol emissions from aviation
877	Roininen, Reijo	Possibilities of modern ceilometers	Poster	Posters and Exhibition (III)
410	Romakkaniemi, Sami	High resolution modelling of aerosol effect on cloud liquid water path	Oral	Aerosol-cloud interactions and role in climate feedbacks
873	Rönkkö, Topi	Towards extremely low black carbon emissions from passenger cars	Oral	Filtration & control technologies for transportation & atmospheric aerosols
1094	Rosell-Llompart, Joan	In-situ electrospray discharging by unipolar corona ions, a unified perspective	Oral	Electric effects including electrosprays and electric discharges
1076	Rosell-Llompart, Joan	Hydrophobic surfaces via electrospray deposition of commercial polytetrafluoroethylene (PTFE) nanoparticles	Poster	Posters and Exhibition (II)
1091	Rostási, Ágnes	Effect of Saharan dust storm events on photovoltaic power generation forecast in Hungary	Poster	Posters and Exhibition (III)
970	Roudsari, Golnaz	The molecular scale mechanism of adsorption and deposition freezing of active ice nucleating particles	Oral	Atmospheric ice nucleation (I)
492	Rudich, Yinon	Characterization of airborne microbial communities and implications for human and ecosystem health: insights from dust storms in the Eastern Mediterranean	Oral	Bioaerosols (I)
494	Rudich, Yinon	Transformations of biomass burning aerosol components and the effects on oxidative potential and cytotoxicity	Oral	Health effects of aerosols (I)
854	Ruppel, Meri Mariëken	Can peat burning be identified from other emission sources by the carbon isotopic composition of Black Carbon (BC)?	Poster	Posters and Exhibition (III)



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820	Ruser, Heinrich	Automatic Classification of Ship Emissions using Single-Particle Mass Spectrometry and Deep Learning	Poster	Posters and Exhibition (I)
337	Russell, Douglas	Upper-tropospheric isoprene chemistry measured in the CERN CLOUD chamber	Oral	Homogeneous, heterogeneous and multiphase chemistry, secondary aerosols (I)
1095	Rychlik, Stepan	Air quality monitoring during boiler exchanges in 8 locations in the Czech Republic during 2016–2023	Poster	Posters and Exhibition (II)
363	Saari, Sampo	Measurement of human respiratory aerosol emissions	Poster	Posters and Exhibition (II)
570	Saarikoski, Sanna	Changes in the composition of ambient organic aerosol related to traffic emissions during the last decade	Poster	Posters and Exhibition (III)
612	Saathoff, Harald	Aerosol composition, boundary layer dynamics, and air quality in the cities of Karlsruhe, Stuttgart, and Munich	Poster	Posters and Exhibition (III)
471	Šabanovič, Aleksandr	Investigation of aerosol deposition in a complex low-voltage electric fractionator	Poster	Posters and Exhibition (II)
1044	Sadiktsis, Ioannis	Exploring the molecular properties of controlled biomass pyrolysis and combustion samples by nontarget liquid chromatography with high-resolution mass spectrometry	Poster	Posters and Exhibition (II)
164	Saladin, Siriel	Tyre wear PM10 where are you? A review of primary and secondary literature	Oral	Aerosol emissions from brake/tyre wear & non-mobile sources
550	Salim, Rizana	Investigating the potential health effects of particulate matter from plastic burning with a combination of electron paramagnetic resonance spectroscopy and acellular assays	Oral	Human exposure and health studies; medical and therapeutic applications
366	Salimbene, Omella	Effects of individual and cumulative residential risk factors on chronic obstructive bronchitis in a cohort of males living in Torino (Italy)	Poster	Posters and Exhibition (II)
131	Salma, Imre	Comparative study on the types of new aerosol particle formation and growth events in cities: the Banana Atlas	Oral	New particle formation (I)
379	Salminen, Teemu Tapani	Finite Element-based Extended Kalman Filter and Smoother for retrieval of aerosol size distributions and process rates	Oral	Aerosol growth and evaporation, agglomeration, fragmentation, material synthesis and filtration
349	Salo, Laura	Black Carbon Instrument Comparison	Oral	Measurement techniques for carbonaceous aerosols
1030	Samara, Maria	Flame-made nanosilver particles against wound infections.	Poster	Posters and Exhibition (II)
252	Samia, Boulos	Heterogeneous atmospheric ozonolysis of currently used pesticides in Viticulture	Poster	Posters and Exhibition (III)
819	Sandström, Hilda	Advancing property prediction for atmospheric molecules with molecular fingerprints	Poster	Posters and Exhibition (I)
1034	Šanti-Temkiv, Tina	Bioaerosol partitioning between the interstitial and the condensed phase in mixed-phase clouds	Oral	Bioaerosols (I)
853	Saraji-Bozorgzad, Mohammad Reza	Introducing an in-situ measurement system for the simultaneous characterization of organic compounds in the gas and particle phase of aerosols for automatic emission and environmental monitoring	Poster	Posters and Exhibition (I)
401	Sarfraz, Maryam	Performance Evaluation of Low-Cost Smart Citizen Kits to Monitor Urban Air Pollution	Poster	Posters and Exhibition (I)
902	Sartelet, Karine	Molecular representation of toluene secondary organic aerosols in 3D air-quality models	Poster	Posters and Exhibition (II)
980	Saturno, Jorge	In-field calibration of particle number (PN) and black carbon (BC) absorption using a portable spark generator	Oral	Measurement and calibration techniques for number concentration measurements
648	Saukko, Erkka	Ambient particle number and size measurement with a single-channel escaping charge instrument	Oral	New measurement techniques and novel studies (II)
206	Savadkoobi, Marjan	Source-Dependent Absorption Angstrom Exponent in the Los Angeles Basin: Multi-time Resolution Factor Analyses of Ambient PM2.5 and Aerosol Optical Absorption	Poster	Posters and Exhibition (III)

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415	Savolainen, Lauri Kalevi	Comparison of particles produced by DOFR and PAM aging chambers from purified background air	Poster	Posters and Exhibition (I)
760	Saxena, Mokshika	Composition and characteristics of burn chamber generated biomass burning aerosol exposed to different atmospherically relevant conditions	Oral	Chemical characterization of carbonaceous aerosols
710	Schade, Julian	Detection and Analysis of Ship Emissions using Single-Particle Mass Spectrometry: A Land-Based Field Study in the Port of Rostock, Germany	Poster	Posters and Exhibition (II)
261	Schalk, Matthe	Flame Aerosol preparation of Cu <sub>2</sub> S and application as a gas sensor	Poster	Posters and Exhibition (II)
245	Schmale, Julia	From Fairbanks to Pallas: Observations of Arctic vertical aerosol distribution from tethered balloon measurements	Poster	Posters and Exhibition (II)
865	Schmidt-Ott, Fabian	Evolution of the mobility and concentration of positive and negative ions produced by a bipolar aerosol neutralizer	Poster	Posters and Exhibition (I)
824	Schmitt, Sebastian H.	In-depth characterization of an ambient sampling inlet system at the steady-state SAPHIR-STAR chamber	Oral	Measurement techniques for ambient aerosols
887	Schnaiter, Franz Martin	Investigating the Long-Term Variability in Mass Absorption Cross Section (MAC) of Black Carbon in the Finnish Arctic Through Photoacoustic Spectroscopy	Oral	Aerosols and clouds in polar regions (II); atmospheric ice nucleation (II)
957	Schöberl, Manuel	Characteristics and evolution of coarse mode aerosol particles emitted by US western wildfires during summer 2019	Poster	Posters and Exhibition (III)
1087	Schobesberger, Siegfried	Determining sub-micron aerosol pH from multi-phase composition measurements and thermodynamic modeling	Poster	Posters and Exhibition (I)
770	Scholz, Susanne	Unraveling the SOA formation from internal combustion engines: Sensitivity to IVOC emissions and chemistry	Oral	Transport of atmospheric aerosols, modelling and climate forcing (II)
823	Schrödner, Roland	Application of cost-efficient particulate matter measurement devices in an urban network and comparison to state-of-the-art air quality monitoring	Oral	Miniaturized and low cost instrumentation
789	Schumacher, Stefan	Particle emissions from ultrashort pulsed laser material processing	Oral	Aerosol emissions from brake/tyre wear & non-mobile sources
475	Schwarz, Jaroslav	Comparison of ToF ACSM and C-ToF-AMS running in parallel based on individual m/z	Poster	Posters and Exhibition (I)
737	Seal, Prasenjit	How naphthalene autoxidizes: Mystery, Challenges, and More	Poster	Posters and Exhibition (I)
144	Seibert, Radim	Spatial and Temporal Variations of Road Dust Quality in the Czech Republic	Poster	Posters and Exhibition (III)
182	Sengupta, Gargi	Cloud response to organic aerosol acid and base dissociation	Oral	Aerosol-cloud interactions and role in climate feedbacks; Homogeneous, heterogeneous and multiphase chemistry, secondary aerosols; Molecular characterization of atmospheric aerosols
214	Shang, Xiaoxia	CALIOP observations of biomass burning aerosols from a Canadian wildfire	Oral	Aerosol remote sensing
212	Shang, Xiaoxia	Vertical distributions of Finnish airborne pollen using lidars	Poster	Posters and Exhibition (III)
425	Shen, Jiali	Upper-tropospheric isoprene particle formation from CERN CLOUD measurements	Oral	New particle formation (II)
489	Sherman, James Patrick	The first integrated long-term measurements of air quality, aerosol direct and indirect effects on climate in the eastern US from the upgraded Appalachian State University observatory in Boone, NC USA	Oral	Measurement techniques for ambient aerosols

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812	Shrivastava, Vibhaw	Exploring Aerial Distribution of Antibiotic Resistance Genes: Association with Particle Size and Anthropogenic Emissions	Poster	Posters and Exhibition (III)
660	Shukla, Deeksha	Emission speciation of semi-, intermediate- and volatile organic compounds from marine diesel engine: influence of different engine loads, fuel type and photochemical ageing	Oral	Marine and aviation aerosol emissions
905	Shumiao, Zhao	The restitution coefficient and critical sticking velocity of small particles: simulation and experiment	Poster	Posters and Exhibition (I)
880	Siilin, Niko	CFD simulation of an air cleaner	Poster	Posters and Exhibition (II)
569	Silvonen, Ville	Transport of traffic-related ultrafine particles from a highway to daycares	Oral	Exposure in specific microenvironments
353	Simon, David Julian	Spatial Distribution and Properties of Aerosol Particles and Cloud Condensation Nuclei (CCN) above the Arctic Ocean	Poster	Posters and Exhibition (II)
560	Simon, Leila	Chemical composition of secondary particles from exhaust emissions of light-duty vehicles	Poster	Posters and Exhibition (II)
562	Simon, Leila	Summertime (2020) source apportionment of organic aerosols combined with their gaseous precursors, volatile organic compounds, in the Paris region (France)	Poster	Posters and Exhibition (III)
785	Simon, Mario	Atmospheric organosulfates: A new method to isolate, enrich, and quantify organosulfates in ambient filter samples of particulate matter	Poster	Posters and Exhibition (I)
348	Simonen, Pauli	Secondary aerosol formation from an SCR-equipped ship	Poster	Posters and Exhibition (II)
350	Simonen, Pauli	Effect of oxidation flow reactor residence time on SOA production factor accuracy	Poster	Posters and Exhibition (I)
426	Singh, Abhishek	Retrieval of 3D Structures from Microscopic Images of Fractal Aggregates Using Combined Machine Learning, Optimization, and Image Analysis Approach	Poster	Posters and Exhibition (I)
441	Singh, Shailendra Pratap	Physical, Chemical and Microbial Characteristics of PM10 and PM2.5 in Urban Region of India	Poster	Posters and Exhibition (II)
464	Singh, Vikram	Source Apportionment by Combining High-Time Resolution Organic, Black Carbon, and Inorganic Chemical Composition Datasets	Poster	Posters and Exhibition (III)
1064	Sipkens, Timothy A.	Distinguishing tarballs and soot using automated analysis of electron micrographs	Oral	Combustion generated carbonaceous aerosols
265	Siponen, Taina	Exposure of pedestrians to street dust in Helsinki	Poster	Posters and Exhibition (II)
639	Sivula, Kanang	Retrievals of backscatter coefficient and mass concentration of particles with coherent Doppler lidars	Oral	Aerosol Optical Properties: from surface to vertical profiles
850	Skønager, Jane Tygesen	Evolution of scattering potential and index of refraction of aged sea spray particles	Oral	Physico-chemical properties of atmospheric aerosols (II)
286	Smith, James	Electrical and Chemical Properties of Brake Wear Particles	Oral	Aerosol emissions from brake/tyre wear & non-mobile sources
246	Snellman, Markus	A method to measure aerosol residence time distribution	Poster	Posters and Exhibition (I)
1008	Sofiev, Mikhail	New-generation tools for bioaerosol monitoring, assessment, and forecasting	Oral	Health effects of aerosols (II)
1080	Sofieva-Rios, Svetlana	Ice nucleating microbes from Arctic cloud water exhibit exceptional cold tolerance and ice nucleation potential	Poster	Posters and Exhibition (III)
267	Solanki, Ranjithkumar	Effect of Lockdown on Aerosol Optical Depth using Satellite (MODIS Aqua and Terra), based observation over Surat	Poster	Posters and Exhibition (I)
836	Somero, Markus Jere Oskari	Laboratory assessment of particle and gas emissions from boreal forest, peatland, and savannah fires	Poster	Posters and Exhibition (II)
649	Sommer, Eva	New particle formation from alpha pinene in the presence of trace sulfuric acid	Oral	New particle formation (III)

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724	Song, Jiaou	Nucleation Rate and Critical Cluster Size of Nitrogen and Oxygen at Cryogenic Temperature from Molecular Dynamics Simulations	Oral	Molecular dynamics; nucleation and growth
722	Song, Jiaou	Development of Equations of State at Cryogenic Conditions by Molecular Dynamics Simulations	Poster	Posters and Exhibition (I)
111	Sorvali, Miika Joonatan	Deposition of flame-made silver nanoparticles from aerosol phase for improving photocatalysts by plasmonic coupling	Oral	Applications of aerosol technology in catalysis and energy storage
821	Sow, Mamadou	Quantifying the airborne release fraction of plutonium oxide surrogate in a medium-scale fire experimental facility	Oral	New measurement techniques and novel studies (I)
413	Spinoso, Salvatore	Lidar Measurements during the Mount Etna Volcanic Emission on 21st February 2019	Oral	Aerosol optical properties
733	Srivastav, Gaurav Kumar	Ions and particle size distribution in the Indo-Gangetic Plain	Poster	Posters and Exhibition (I)
296	Srivastava, Atul Kumar	Light absorption characteristics and source apportionment of black and brown carbon at an urban megacity in North India	Oral	Optical Properties of Black and Brown Carbon
395	Srivastava, Deepchandra	Sources of fine Particulate Matter (PM <sub>2.5</sub> ) in Delhi using Positive Matrix factorization on multiple datasets	Oral	Sources and source apportionment of atmospheric aerosols (VI)
1007	Stavroulas, Iasonas	Chemical composition and source apportionment of fine particulate matter at an urban background location in Western Slovenia	Oral	Sources and source apportionment of atmospheric aerosols (V)
1106	Stavroulas, Iasonas	APSALM: Air Pollution Source Apportionment through machine Learning Methods	Poster	Posters and Exhibition (III)
996	Steimer, Sarah S.	Secondary particle formation through the oxidation of volatile brake wear emissions	Oral	Aerosol Formation Kinetics and Dynamics
852	Steimer, Sarah S.	Impact of fog processing on the oxidative potential of ambient particles during the Fog and Aerosol Interaction Research Italy (FAIRARI) campaign 2021/22	Poster	Posters and Exhibition (III)
548	Steinberga, Iveta	Atmospheric urban aerosol profiling and source identification by complementary approach of SEM-EDX and reference measurements	Poster	Posters and Exhibition (III)
968	Steiner, Gerhard	Charger Ion Correction for Particle Size Distribution Measurements Down to 1nm	Oral	Size distribution measurement techniques for ultrafine and nanoparticles
769	Stoellner, Andrea	Measuring electric charging of individual aerosol particles in an optical trap	Poster	Posters and Exhibition (I)
106	Stoll, Daniel	Influence of the mask shape and the fit factor for FFP2 and FFP3 masks	Poster	Posters and Exhibition (II)
107	Stoll, Daniel	Influence of the mechanical deformation during wearing different types of FFP2 masks	Poster	Posters and Exhibition (II)
208	Stollberger, Felix Wolf	Frequency-resolved single-particle photothermal interferometry	Oral	Chemical analysis techniques (I)
414	Stolzenburg, Dominik	Atmospheric nanoparticles are growing slower than expected	Oral	New particle formation (II)
512	Strmečki Kos, Sladana	The impact of pollen, biomass burning, and Saharan dust aerosols on Cu organic complexation in the oligotrophic Adriatic coastal area	Oral	Aerosol-surface interactions and data-driven modeling of aerosol processes
950	Stuckey, Edward James	Does Sulfur Dioxide remove organic films from the aerosol air-water interface?	Poster	Posters and Exhibition (I)
889	Subedi, Nabin	Synthesis of mixed-phase copper on carbon catalyst by aerosol processing technique	Poster	Posters and Exhibition (II)
315	Suchánková, Lenka	Measurement of enhancement factor using a novel single-nephelometer set-up system at background urban station in the Czech Republic	Poster	Posters and Exhibition (III)
514	Sutter, Benjamin	Exploring unconventional applications of low-cost sensors: assessing NOAA workplace aerosols	Oral	Miniaturized and low cost instrumentation
606	Švamberová, Lucie	From Hours to Decades: Understanding the Variability of Radioactive Aerosol Concentrations in the Atmosphere	Poster	Posters and Exhibition (III)

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623	Svenhag, Carl Anders	New particle formation in ESMs: assessing aerosol model M7 with organic and sulfuric acid-ammonia nucleation under Boreal conditions through detailed chemistry modeling.	Poster	Posters and Exhibition (I)
583	Talianu, Camelia	Aerosol layer classification from remote sensing observations using deep learning	Oral	Aerosol remote sensing
579	Talvinen, Sini	Treatment of key aerosol and cloud processes in Earth System Models – overview of recommendations from the FORCES project	Oral	Aerosol-cloud interactions and role in climate feedbacks
563	Talvinen, Sini	Tree transpiration—the role of clouds and variability in the drivers between Nordic boreal forests	Poster	Posters and Exhibition (II)
851	Tammekivi, Terje	Atmospheric chemistry-transport model tracing the origins of natural aerosol precursors	Poster	Posters and Exhibition (I)
435	Taneja, Ajay	Partitioned Particulate Data and Health Risk Quantification of Metal Content in Mixed Residential Areas of Northern India	Oral	Health effects of aerosols (II)
205	Tang, Chi-Long	Sub-4 nm particles from FFF-3D printing measured with the TSI 1 nm CPC and the Aimodus A11 nCNC	Poster	Posters and Exhibition (I)
417	Tang, Ruijie	Impact of Cooking Methods on Indoor Aerosol Composition: A Comparative Study of Particulate Matter (PM) and Volatile Organic Compounds (VOCs) Emissions	Poster	Posters and Exhibition (II)
136	Tanveer, Muhammad	Aerosol synthesis of highly graphitic carbon nanoparticles which exhibit quantum confinement behaviour	Oral	Combustion generated carbonaceous aerosols
373	Tatsii, Daria	Assessing Microplastic Entry into the Stratosphere: Example of Road Traffic Emissions	Oral	Airborne nano-/microplastics
1027	Tavemarakis, Kalliopi	Toxicity and carcinogenic risk of particulate matter (PM) in three urban areas of Greece	Oral	Health effects of aerosols (I)
847	Taylor, Justin Kyle	Applying machine learning and statistical models to low-cost aerosol sensors for anomaly detection	Poster	Posters and Exhibition (I)
324	Teinilä, Kimmo	Particle number concentrations measured with AQ Urban in Helsinki in two different environments	Poster	Posters and Exhibition (I)
496	Teng, Zihui	Optical Properties of Coastal Aerosol in Aarhus Bay, Denmark	Poster	Posters and Exhibition (III)
581	Temero, Pau	One-step synthesis of Au-Sn nanoparticles with tunable properties using in-flight annealing	Oral	Monitoring and control of aerosol physicochemical properties
1020	Terrenoire, Etienne	x	Poster	Posters and Exhibition (III)
794	Thomasson, August Rickard	Top-Down estimates of Black Carbon emissions in Europe using Inverse modelling	Oral	Aerosol Optical Properties: from surface to vertical profiles
604	Thureson, Sara	Airborne SARS-CoV-2 in patient rooms during the Omicron wave compared to early variants	Poster	Posters and Exhibition (II)
140	Tian, Jianghan	The microphysics of surrogate exhaled aerosols and airborne disease transmission	Poster	Posters and Exhibition (I)
732	Timonen, Hilka	Secondary aerosol formation from traffic: Influence of fuel, engine technology and aftertreatment systems	Poster	Posters and Exhibition (II)
939	Tinorua, Sarah M.	Identification of aviation unique emission tracers by combining aerosol- and gas measurements	Poster	Posters and Exhibition (III)
802	Tiraboschi, Caterina	Source apportionment of PM10 and its oxidative potential in urban residential areas	Poster	Posters and Exhibition (III)
655	Tischberger, Markus	Beyond pollen: characterizing respirable particulate emissions of birch catkins	Poster	Posters and Exhibition (III)
1115	Tobon, Yeny	Oxidation of single particles containing first-generation terpene oxidation products	Oral	Homogeneous, heterogeneous and multiphase chemistry, secondary aerosols (I)
842	Todt, Michael	Aerosol dispersion in an infected office environment: comparison of chamber experiments to CFD simulations	Poster	Posters and Exhibition (II)
228	Tomson, Nathalie	Filtration efficiency of green infrastructure for purification of atmospheric aerosols	Oral	Filtration & control technologies for transportation & atmospheric aerosols

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495	Tossavainen, Tarleena Maria Karoliina	Impact of climate change on the production and immunogenic potential of grass pollen	Poster	Posters and Exhibition (II)
677	Toth, Travis D.	Satellite-Assisted Particulate Matter (SAPM) for the MIRA Working Group	Oral	Aerosol remote sensing
682	Toth, Travis D.	Mapping Aerosol Lidar Ratios Over Ocean using MODIS AOD Constrained Retrievals and GOCART Model Simulations	Poster	Posters and Exhibition (III)
281	Toubin, Celine	Theoretical investigation of the multiphase ozonolysis of maleic acid in water	Oral	Quantum chemical calculation of aerosol formation and gas-phase kinetics
498	Tremper, Anja H.	Air Quality on UK Diesel Trains	Oral	Health-relevant aerosols and their characteristics
961	Trentini, Arianna	Trends in PM2.5 chemical composition and sources: 12 years of continuous observations at the Bologna urban supersite in the Po Valley (Italy)	Poster	Posters and Exhibition (III)
422	Trivanovic, Una	Trade-off between soot and NO emissions during enclosed spray combustion of jet fuel	Oral	Combustion generated carbonaceous aerosols
234	Trivanovic, Una	Can PN-PTI instruments be utilized for the technical inspection of GDI engines?	Poster	Posters and Exhibition (I)
215	Trolle, Georg Baadsgaard	A molecular investigation of the interactions between pyruvic acid and aerosol surfaces	Poster	Posters and Exhibition (I)
352	Tronconi, Arianna	Molecular characterization and sources of secondary organic aerosol in the Paris megacity	Oral	Exposure: sources, levels and assessment techniques (II)
418	Tronconi, Arianna	Secondary organic aerosol sources in the Mediterranean Barcelona metropolitan area	Poster	Posters and Exhibition (II)
553	Tsai, Jiun-Hong	Emissions And Exposure Risk of Air Pollutants and Air Toxics from Cogeneration System by Using Solid Waste Derived Fuel in Taiwan	Poster	Posters and Exhibition (II)
734	Tsai, Perng-Jy	An integrated city-scale approach for conducting long-term PM2.5 exposure and health impact assessments for residents	Poster	Posters and Exhibition (II)
827	Tsakonas, Georgios	Development and Evaluation of a Sampling System for Real-World Brake Particle Characterization	Poster	Posters and Exhibition (I)
198	Tsalikis, Dimitrios	A new equation for the mean free path of air	Oral	Molecular dynamics; nucleation and growth
1013	Tsikourkitoudi, Vasiliki	Therapeutic applications of flame-made nanocarriers with high drug loading capacity	Oral	Applications of aerosol technology in health sciences
1058	Tsikourkitoudi, Vasiliki	Flame-made lithium titanate nanoparticles with superior cycle stability as promising anode materials for lithium-ion batteries	Oral	Applications of aerosol technology in catalysis and energy storage
782	Tsiligiannis, Epameinondas	Lubrication oil as a potential source of traffic originated secondary particulate mass – Laboratory and real-traffic emission measurements	Poster	Posters and Exhibition (II)
763	Tsiotra, Iirini	Peri-urban wildfires in Athens, Greece: differences and similarities of Polycyclic Aromatic Compound (PAC) levels depending on the event and season	Oral	Chemical characterization of carbonaceous aerosols
845	Tsiotra, Iirini	Polycyclic Aromatic Compound (PACs) composition and population exposure in a European urban center with major biomass burning impact	Oral	Exposure: sources, levels and assessment techniques (II)
781	Tsiotra, Iirini	Spatiotemporal gradients of PAH concentrations in Greek cities and association with exposure impacts	Poster	
727	Tuovinen, Santeri	Comparing ion concentrations based on Cluster Ion Counter and Neutral cluster and Air Ion Spectrometer measurements	Poster	Posters and Exhibition (I)
542	Unfer, Gabriela Rosalino	Particle number size distributions in a marine-influenced site in Punta Arenas, Chile	Poster	Posters and Exhibition (I)
351	Uogintė, Ieva	Seasonal changes in the distribution, sources, and characteristics of microplastic particles in indoor high school air	Poster	Posters and Exhibition (III)

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306	Upadhyay, Abhishek	A composite modelling approach to simulate distribution and trends of air pollution from non-exhaust emissions over Europe	Oral	Transport of atmospheric aerosols, modelling and climate forcing (I)
184	Uttinger, Battist	Continuous detection of pathogenic bioaerosol using antibody labeled magnetic beads and flow cytometry	Poster	Posters and Exhibition (III)
331	Vaccarella, Emanuele	Model/experimental organisms to estimate oxidative stress and health effects induced by in vivo exposure to different PM components	Oral	Exposure: sources, levels and assessment techniques (III)
472	Vainorius, Darius	Investigation of the Electro-Acoustic Agglomeration of Particulate Matter in Chimneys	Poster	Posters and Exhibition (II)
259	Väisänen, Antti Juho Kalevi	Particle formation and exposures in additive manufacturing of metals	Poster	Posters and Exhibition (II)
773	Vakkari, Ville	Effect of combustion conditions on boreal and savannah fire aerosol emissions	Oral	Apportionment of biomass combustion and fires
254	van Dinther, Daniëlle	Finding the fingerprint of woodsmoke	Oral	Apportionment of biomass combustion and fires
625	van Drooge, Barend L	GC-MS techniques for the molecular tracer analysis of organic aerosols	Oral	Chemical analysis techniques (II)
476	van Rijn, Stijn	The effect of hydrogen addition on the aerosol properties of combustion generated nanoparticles from premixed ethylene flames	Oral	New measurement techniques and novel studies (I)
1002	Vana, Marko	Nucleation events based on intermediate air ion measurements at Tahkuse Observatory in 1988-2023, Estonia	Poster	Posters and Exhibition (I)
947	Vartiainen, Antti	Utilizing machine learning for downscaling of simulated aerosol size distributions	Poster	Posters and Exhibition (I)
559	Vartiainen, Ville	Endoscopic setup for direct lung measurement of aerosols	Oral	Exposure: sources, levels and assessment techniques (III)
190	Vasconcellos, Pérola de Castro	Organic and inorganic pollutants in PM <sub>2.5</sub> collected in a megacity during and after COVID-19 pandemic	Poster	Posters and Exhibition (II)
250	Vasilakos, Petros N.	An integrated machine learning model to predict fine scale dust concentrations over Europe	Oral	Aerosol-surface interactions and data-driven modeling of aerosol processes
741	Vasilescu, Jeni	Air quality assessment using MARS supersite measurements in South-East Europe	Oral	Air quality supersites
527	Velazquez-Garcia, Alejandra	Marked enhancement absorption of black carbon traced by aircraft measurements within the Paris urban plume	Oral	Aerosol Optical Properties: from surface to vertical profiles
835	Venkatesan, Sudharsun	Pollen-humidity interactions and sub-pollen particles from native Australian species	Poster	Posters and Exhibition (II)
334	Vermeulen, Lucie C.	Quantitative Microbial Risk Assessment and airborne infectious disease	Poster	Posters and Exhibition (II)
335	Vermeulen, Lucie C.	Indoors spreading and infectivity of SARS-CoV-2 detected in air and on surfaces after speaking and singing of symptomatic individuals	Poster	Posters and Exhibition (II)
416	Vesisenaho, Kuisma	Deriving and testing an aerosol dynamics-based decay function for indoor lung deposited surface area (LDSA) concentration resulted from cooking emissions	Poster	Posters and Exhibition (II)
1042	Vettikkat, Lejish	Ammonia flux measurements at the SMEAR-Agri station using benzene-CIMS	Poster	Posters and Exhibition (III)
662	Via, Marta	Upgrading particulate matters source apportionment through data science	Poster	Posters and Exhibition (III)
424	Vicente, Estela Domingos	Particulate matter levels and element size distributions in kindergarten and school classrooms	Poster	Posters and Exhibition (II)
643	Vicente, Estela Domingos	Air quality in Aveiro (Portugal): Influence of sea breezes and surrounding industry	Poster	Posters and Exhibition (III)
670	Viitanen, Anna-Kaisa	Nanoparticle control measures in professional use of additive manufacturing	Oral	Occupational exposures
210	Vijay, Saloni	Assessing black carbon pollution in Blantyre: Socio-economic disparities & need for action	Oral	Air pollution in low-income countries

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134	Vodička, Petr	Two-years study of carbonaceous aerosols and stable isotopic composition of total carbon at the High Arctic station Alert, Canada	Oral	Aerosols and clouds in polar regions (I)
897	Voigtländer, Jens	Evaluation of cost-efficient particulate matter measurement devices in lab and field	Poster	Posters and Exhibition (I)
993	Vojtisek-Lom, Michal	Field measurement of small jet engine particle emissions by a mobile instrumentation set	Oral	Characterization and impact of aerosol emissions from aviation
132	Volna, Vladimira	An example of the assessment of the potential transport of PM10 aerosols in the eastern part of the Czech Republic	Poster	Posters and Exhibition (III)
309	Vörösmarty, Máté	What can add aerosol optical properties to the possibilities and results of source apportionments by PMF?	Oral	Sources and source apportionment of atmospheric aerosols (VI)
109	Vratolis, Stergios	Secondary sulfate aerosol emission fluxes quantification based on in situ aerosol measurements	Poster	Posters and Exhibition (III)
841	Wagh, Shrutika Pravin	Molecular Investigation of New Particle Formation Events in Cyprus	Poster	Posters and Exhibition (I)
356	Wagner, Andrea C.	Renewable Fuel: Assessing the Potential for VOC and Particle Emission Reduction in a Hybrid Diesel Engine	Oral	Aerosols from combustion of novel fuels
115	Wallner, Tanja	Exploring a Small-Angle-Electrode Electrostatic Sensor: Experimental Insights into Particle Number Measurement	Poster	Posters and Exhibition (I)
923	Wang, Hao	Human-induced aerosol acidity amplification in Southern China's mountains	Oral	Physico-chemical properties of atmospheric aerosols (I)
1033	Wang, Jun	Optical-based Measurement of Workplace Protection Factor for Aerosols Filtering Respirators	Oral	Biological and toxicological responses
857	Wang, Jun	Aerosol Emissions from Desktop Laser Cutting and Engraving of Various Common Materials	Poster	Posters and Exhibition (II)
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389	Wang, Meng	A positive response to the shipping emission control policy in the busiest Shanghai port in China	Poster	Posters and Exhibition (III)
469	Wang, Qiongqiong	Ambient Measurements of Daytime Decay Rates of Levoglucosan, Mannosan and Galactosan	Poster	Posters and Exhibition (III)
555	Wang, Shan	Bayesian Inference-Based Estimation of Hourly Primary and Secondary Organic Carbon at Suburban Hong Kong: Multi-temporal Scale Variations and Evolution Characteristics during PM2.5 episodes	Oral	Chemical characterization of carbonaceous aerosols
723	Wang, Xiaoke	The effect of interparticle interactions during agglomeration in the gas phase	Oral	Aerosol growth and evaporation, agglomeration, fragmentation, material synthesis and filtration
726	Wang, Xiaoke	The role of dipole moment orientation on TiO2 nanoparticle interactions	Poster	Posters and Exhibition (I)
811	Wang, Xurong	The role of ammonia emissions on the size-resolved global aerosol composition and acidity	Poster	Posters and Exhibition (I)
382	Wames, Daniel	Morphological and optical properties of cellulose nanocrystal aerosols in the atmosphere	Poster	Posters and Exhibition (I)
1043	Wehner, Birgit	Aerosol variability and Interaction with ambient conditions based on small-scale vertical and horizontal Distribution of Arctic measurements	Poster	Posters and Exhibition (II)
1018	Weinzierl, Bernadett	Enhancing Airborne Microplastic Detection: A Novel Approach Integrating Holography, Fluorescence, and Machine Learning	Poster	Posters and Exhibition (III)
963	Weissbuch, Maximilian	Physicochemical characterisation of emissions from two metro brake types	Oral	New measurement techniques and novel studies (I)



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297	Wieber, Corina	Ina gene expression in Pseudomonas syringae R10.79 is affected by aerosolization	Oral	Bioaerosols (I)
1110	Williams, Anandi	First Intercomparison of ToF-ACSM-X Instruments at ACMCC	Poster	Posters and Exhibition (I)
667	Williams, Paul Ivor	Primary and Secondary Emissions From a Turbofan Engine using JetA1 and SAF	Oral	Characterization and impact of aerosol emissions from aviation
120	Williamson, Christina	New particle formation in outflow from the Asian Summer Monsoon	Poster	Posters and Exhibition (I)
890	Wimmer, Daniela	Results of urban measurements with the AVL UFPM(TM)	Poster	Posters and Exhibition (I)
145	Windell, Laurence C.	PX375 vs Xact625i – An intercomparison of two XRF-based ambient metal monitors	Oral	Chemical analysis techniques (II)
914	Wu, Cheng	The influence of forest management (clearcutting) on biogenic secondary organic aerosols from a boreal forest	Oral	Molecular characterization of atmospheric aerosols (I)
652	Wu, Haide	Cluster-to-Particle Transition in Atmospheric Nanoclusters	Poster	Posters and Exhibition (I)
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211	Xenofontos, Christos	Modelling upper troposphere NPF in the Asian monsoon region	Oral	Climate effects
526	Xu, QiZhi	Accurate retrieval of pure black carbon aerosol properties including light absorption from polarization-resolved in situ measurements of light scattering	Oral	Optical Properties of Black and Brown Carbon
624	Yadav, Kajal	Effect of COVID-19 Lock down on particle bound phthalate esters concentration at a COALESCE Site – Bhopal, India	Poster	Posters and Exhibition (II)
926	Yang, Boxing	Particle growth from anthropogenic VOCs under varying conditions	Oral	New particle formation (II)
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431	Yang, Yifan	Assessing Absorption Enhancement in Black Carbon: Insights into Mixing State Heterogeneity	Poster	Posters and Exhibition (III)
1005	Yasarapu, Sathish	Characteristics of size-resolved inorganic and carbonaceous aerosols in a coastal urban area, Mumbai.	Poster	Posters and Exhibition (II)
434	Yasumoto, Koji	Investigation of high gas velocity type electrostatic precipitator with high electric field	Poster	Posters and Exhibition (II)
150	Yeon, Jinwoong	Review on Reliability of PM-2.5 Low cost Air Sensor during the Asian dust	Poster	Posters and Exhibition (I)
139	Yin, Yuxiang	Break downsizing limit for patterning	Oral	Aerosol synthesis and deposition by spark ablation
925	Yli-Juuti, Taina	New particle formation event characteristics in global model simulations compared with observations in a boreal forest environment	Poster	Posters and Exhibition (I)
238	Yli-Tuomi, Tarja	Exposure to smoke from the small-scale wood combustion and spatial variation in the concentration of particulate matter in residential area	Poster	Posters and Exhibition (II)
990	Ylivinkka, Ilona	Continuous VOC monitoring with Vocus at SMEARII, Finland	Poster	Posters and Exhibition (II)
170	Yoshino, Ayako	Long-term observations of aerosol chemical composition in the northern Kyushu region of Japan	Poster	Posters and Exhibition (III)
614	You, Zhikai	A new numerical method for dynamic resuspension of particles	Oral	Aerosol transport properties and fluid dynamics

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592	Yue, Siyao	Formation and evolution of $\alpha$ -Pinene secondary organic aerosol formed from OH radical oxidation	Poster	Posters and Exhibition (I)
361	Yus-Díez, Jesús	Aerosol dust absorption - measurements with a reference instrument (PTAAM-2 $\lambda$ ) and impact on climate studies: the JATAC/CAVA-AW 2021/2022 campaigns	Poster	Posters and Exhibition (III)
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965	Zarvalis, Dimitrios	Implementing a Volatile Particle Removal (VPR) system to assess particulate matter emissions from conventional cigarettes and heated tobacco products	Poster	Posters and Exhibition (I)
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1035	Zervas, Efthimios	Particle emissions from herbal tea sticks used in an HTP device	Poster	Posters and Exhibition (II)
529	Zhang, Tinghan	The comparison study on air ions in boreal forest of Finland and megacity of Eastern China	Poster	Posters and Exhibition (I)
1001	Zhang, Xinran	Exploring relationship between H <sub>2</sub> SO <sub>4</sub> , HOMs, and local NPF events at an agricultural site in Viikki, Finland	Poster	Posters and Exhibition (I)
341	Zhang, Xu	Photoinitiated Chemistry in Single Aerosol droplets using Cavity Ring-Down Spectroscopy	Poster	Posters and Exhibition (III)
720	Zhang, Yanlin	The Impact of Forest Fires in the Eastern European Plain on Light-Absorbing Carbonaceous Aerosols in Moscow's Atmosphere	Oral	Aerosol Optical Properties: from surface to vertical profiles
360	Zhang, Yueqi	3D-printed semiconducting nanostructures	Poster	Posters and Exhibition (II)
546	Zhang, Yunjiang	A machine-learning approach for source apportionment of organic aerosols from aerosol mass spectrometer measurements	Oral	Sources and source apportionment of atmospheric aerosols (II)
637	Zhao, Jianguye	Long-term prediction of the effects of climate change on indoor particle exposure	Oral	Exposure: sources, levels and assessment techniques (I)
898	Zimmermann, Ralf	New concepts to monitor ship emissions based on single-particle mass spectrometry	Oral	Chemical analysis techniques (II)
447	Zimmermann, Ralf	Thermo-Optical Carbon Analysis (EC/OC) coupled to Photo-Ionization Mass Spectrometry (TOCA-PIMS): New developments towards improved chemical speciation by introducing High-Resolution Mass Analysis	Oral	Measurement techniques for carbonaceous aerosols
590	Zografou, Olga	Ambient Aerosol Chemical Characterization and Source Apportionment at High Altitudes: A Year of Observations at (HAC)2 DEM, Greece (2314 a.s.l.)	Oral	Sources and source apportionment of atmospheric aerosols (V)
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260	Zuri, Giuseppina	Quantification and human exposure assessment of microplastics indoors by Pyr-GC-Orbitrap-MS	Poster	Posters and Exhibition (III)