Submission Id	Title	Presenting	Early Career Scientist	Program code
38	Observations of NOy, O3 and CO in the Arctic Summertime During the SEANA Cruise Campaign	Anna Callaghan	YES, I am an early career scientist.	Session 1 Poster
39	A highly sensitive laser-induced fluorescence system for the detection of trace level sulfur dioxide	Loren Temple	YES, I am an early career scientist.	Session 1 Poster
85	OH/HO2 uptake coefficient onto various polydisperse aerosols determined by combining laser-pump and laser-induced fluorescence	Jiaru Li	YES, I am an early career scientist.	Session 1 Poster
133	Molecular-level characterization of Brown Carbon chromophores in atmospherically-relevant samples and their gas-particle distribution	Chong Xing	YES, I am an early career scientist.	Session 1 Poster
137	New Particle Formation Events at a Unique "Dragon Eye "Marine Lake Area in Rogoznica, Croatia	Kristijan Vidovic	YES, I am an early career scientist.	Session 1 Poster
146	Identification of Different Generation Oxidation Products: Secondary Organic Aerosol Formation from Aromatic Precursors (Toluene and m-Xylene)	Deepchandra Srivastava	NO, I am not an early career scientist.	Session 1 Poster
156	Highly oxygenated organic molecules formation in the oxidation of limonene by OH radical: significant contribution of hydrogen abstraction pathway	Hao Luo	YES, I am an early career scientist.	Session 1 Poster
169	NO3 radical suppresses new particle formation from biogenic precursor gases	DANDAN LI	NO, I am not an early career scientist.	Session 1 Poster
205	Cl-CRM - Determining chlorine reactivity in the troposphere	Jordan Stewart	YES, I am an early career scientist.	Session 1 Poster

206	Applying known chemical kinetics data to model atmospheres of extrasolar planets	Maria Zamyatina	YES, I am an early career scientist.	Session 1 Poster
207	Relationships between supermicrometer particle concentrations and cloud water sea salt and dust concentrations: Analysis of MONARC and ACTIVATE data	Marisa Gonzalez	YES, I am an early career scientist.	Session 1 Poster
209	Studies for Atmospheric Mercury Using Stable Isotope Ratio Measurement	Satoshi Irei	NO, I am not an early career scientist.	Session 1 Poster
233	Influence of NOx and NO3 radicals on cloud condensation nuclei activity of monoterpene secondary organic aerosols	Chenqi Zhang	YES, I am an early career scientist.	Session 1 Poster
263	A modified prewhitening method for long-term trend analysis of atmospheric aerosols at a remote high-altitude site in the Indian central Himalaya.	Rahul Sheoran	YES, I am an early career scientist.	Session 1 Poster
299	Iron carboxylate photochemistry as a particle phase radical source and feedbacks to gas phase nitrogen oxides and iodine	Markus Ammann	NO, I am not an early career scientist.	Session 1 Poster
315	Tropospheric and Stratospheric Photolysis CF3CHO: When is CF3CHO a Source of HFC-23?	Mads Sulbaek Andersen	NO, I am not an early career scientist.	Session 1 Poster
392	O:C ratios from pyrolytic aerosol: What do we know about the continuum from emission to aged aerosol?	Tami Bond	NO, I am not an early career scientist.	Session 1 Poster
409	Tropospheric Bimolecular Sinks of Criegee intermediates Derived from Hydrofluoroolefins	Nathan Watson	YES, I am an early career scientist.	Session 1 Poster
411	Mathematically Representing Spatial Representation Errors in Satellite Retrievals	Amir Souri	NO, I am not an early career scientist.	Session 1 Poster
418	Elucidation of the Structures and Formation Mechanism of Dimer Esters in α-Pinene and β-Pinene Secondary Organic Aerosol	Christopher Kenseth	YES, I am an early career scientist.	Session 1 Poster

420	Morphology and hygroscopicity of nanoplastics in sea spray determined by humidified tandem differential mobility analysis coupled to high-resolution time-of-flight aerosol mass spectrometry	Sarah Petters	NO, I am not an early career scientist.	Session 1 Poster
452	Effects of photochemical aging on biomass burning aerosol properties: from field and laboratory observations	Huihui Wu	YES, I am an early career scientist.	Session 1 Poster
4	Quantifying vehicle road dust emission factors in South African low-income residential areas using field-based empirical measurements.	Ncobile Nkosi	YES, I am an early career scientist.	Session 2 Poster
6	Modelling and measuring VOCs concentrations in East Asia	Adedayo Adedeji	YES, I am an early career scientist.	Session 2 Poster
13	Regional emissions of nitrous oxide (N2O) estimated by inverse modelling of atmospheric observations	Prabir Patra	NO, I am not an early career scientist.	Session 2 Poster
24	Modelling the Impact of HO2 Uptake onto Aerosols During Summertime in Beijing using the Master Chemical Mechanism	Joanna Dyson	YES, I am an early career scientist.	Session 2 Poster
32	Interannual variability of aerosols in the UTLS and its connection to the pollution sources and Asian summer monsoon variability – Results from AeroCom models and observations	Mian Chin	NO, I am not an early career scientist.	Session 2 Poster
34	Using a coupled chemistry-climate-vegetation modeling system to evaluate BVOC emission changes in the Earth system	Ryan Vella	YES, I am an early career scientist.	Session 2 Poster
36	Potential of machine learning to simulate atmospheric trace gases	Imran Girach	YES, I am an early career scientist.	Session 2 Poster
40	Source attribution of aerosol impacts to snow cover over High Mountain Asia	Chayan Roychoudhury	YES, I am an early career scientist.	Session 2 Poster

44	Development of a system for optimised air quality forecast by Model Output Statistics	Sabine Robrecht	YES, I am an early career scientist.	Session 2 Poster
45	Isoprene-consuming production and loss pathways of tropospheric ozone	Ralph Lehmann	NO, I am not an early career scientist.	Session 2 Poster
46	An update on tropospheric ozone trends above western North America	Kai-Lan Chang	NO, I am not an early career scientist.	Session 2 Poster
47	Arctic tropospheric ozone: assessment of model performance	Cynthia Whaley	NO, I am not an early career scientist.	Session 2 Poster
54	Probing the cause of air pollution episodes in Taichung Metropolitan area, Taiwan by air quality modeling	Ming-Tung Chuang	NO, I am not an early career scientist.	Session 2 Poster
56	Using a Machine Learning Method to Make Projections of Tropospheric Ozone Along Different Shared Socioeconomic Pathways from 2020 to 2050 in China	Shu Zhang	YES, I am an early career scientist.	Session 2 Poster
63	Sources and Photochemical Behaviour of Atmospheric Nitrophenols	Morshad Ahmed	YES, I am an early career scientist.	Session 2 Poster
64	TOAR-II Chemical Reanalysis Focus Working Group	Kazuyuki Miyazaki	NO, I am not an early career scientist.	Session 2 Poster
65	Organic aerosols at Fukue Island before, during and after large scale lockdown in China due to COVID-19	Chunmao Zhu	NO, I am not an early career scientist.	Session 2 Poster
73	Development of air quality products for societal applications based on a high-resolution chemical reanalysis	Rajesh Kumar	NO, I am not an early career scientist.	Session 2 Poster
79	Hydrogen: the Fuel of the Future? Modelling its Environmental Impacts	Hannah Bryant	YES, I am an early career scientist.	Session 2 Poster

80	Hydrogen peroxide in the upper tropical troposphere over the Atlantic Ocean and western coast of Africa during the CAFE-Africa aircraft campaign	Zaneta Hamryszczak	YES, I am an early career scientist.	Session 2 Poster
82	Regional-scale modeling in a global model with MUSICAv0: MUlti-Scale Infrastructure for Chemistry and Aerosols	Louisa Emmons	NO, I am not an early career scientist.	Session 2 Poster
83	Application of the Multi-Scale Infrastructure for Chemistry and Aerosols (MUSICA) over Africa	Wenfu Tang	YES, I am an early career scientist.	Session 2 Poster
84	Automated machine learning to evaluate the information content of tropospheric trace gas columns for fine particle estimates over India: a modeling testbed	Zhonghua Zheng	YES, I am an early career scientist.	Session 2 Poster
93	Climate impacts of a historical shift in aerosol precursor emissions	Vichawan Sakulsupich	YES, I am an early career scientist.	Session 2 Poster
96	Future atmospheric composition in a widescale but plausible tree planting scenario and implications for climate in UKESM1 and CESM2.	James Weber	YES, I am an early career scientist.	Session 2 Poster
97	The importance of using emission pre-processors in CTMs: TM5-MP meets HERMES	Sarah-Lena Meyer	YES, I am an early career scientist.	Session 2 Poster
101	Anomalies of tropospheric gases obtained with multiple ground-based FTIR & modeling evaluation during the 2020 COVID19 lockdown	Ivan Ortega	NO, I am not an early career scientist.	Session 2 Poster
104	Modelled impact of large-scale circulation on daily PM2.5 concentrations and PM2.5 sensitivity in China during winter	Zixuan Jia	YES, I am an early career scientist.	Session 2 Poster
110	Consequences of insufficient production of temporary NOx reservoirs on ozone production in models during KORUS-AQ	Katherine Travis	NO, I am not an early career scientist.	Session 2 Poster
111	The impact of vertical wind on the daily variation of surface ozone concentration	Ying Li	NO, I am not an early career scientist.	Session 2 Poster

115	The interaction of weather and air pollution extremes in warmer climate	Tamara Emmerichs	NO, I am not an early career scientist.	Session 2 Poster
118	The AMIGO (Analysis of eMIssions using Observations) project of IGAC	Claire Granier	NO, I am not an early career scientist.	Session 2 Poster
121	Rapid reduction in black carbon emissions from China and the dominance of the residential sector: evidence from 2009-2022 observations on Fukue Island, Japan	Yugo Kanaya	NO, I am not an early career scientist.	Session 2 Poster
126	Impacts of Aromatic Chemistry on the Global Atmosphere	Stephen MacFarlane	YES, I am an early career scientist.	Session 2 Poster
127	The global COVID-19 lockdown impacts on secondary inorganic aerosols	Takashi Sekiya	NO, I am not an early career scientist.	Session 2 Poster
130	Introducing new lightning schemes into the CHASER (MIROC) chemistry climate model	Yanfeng He	YES, I am an early career scientist.	Session 2 Poster
136	Photosynthetic stomatal conductance models are better suited for modelling the pollution uptake of vegetation and reveal nocturnal pollution uptake contributes significantly to the total uptake.	Savita Datta	NO, I am not an early career scientist.	Session 2 Poster
142	Comparative analyses of fleet replacement strategies for road-transport air pollution reduction over India by 2030	Haseeb Hakkim	YES, I am an early career scientist.	Session 2 Poster
145	Evaluating biomass burning organic aerosol markers in ToF-ACSM data using a capture vapouriser: Case study from the COALA-2020 campaign	Adhitya Sutresna	YES, I am an early career scientist.	Session 2 Poster
157	An interactive model AMmonia-CLIMate (AMCLIM) for quantifying climate-dependent ammonia emissions from agriculture	Jize Jiang	YES, I am an early career scientist.	Session 2 Poster

158	Studying the chemistry-climate interaction and impact of dust on the Indian Summer Monsoon Rainfall	Sreyashi Debnath	YES, I am an early career scientist.	Session 2 Poster
160	Extreme PM and ozone pollution over central Europe: interactions of the urban canopy meteorological forcing and radiative effects of urban emissions	Alvaro Prieto Perez	YES, I am an early career scientist.	Session 2 Poster
167	Measurements and modelling of OH, HO2, RO2 and OH reactivity on the Tibetan Plateau	Dwayne Heard	NO, I am not an early career scientist.	Session 2 Poster
168	Unprecedented surface ozone decreases in China under net-zero policies: chemistry-climate model projections corrected with deep learning	Zhenze Liu	YES, I am an early career scientist.	Session 2 Poster
170	Evaluating the first year of volatile organic compound (VOC) measurements at the subtropical remote site of Hateruma in East Asia	Takuya Saito	NO, I am not an early career scientist.	Session 2 Poster
178	MAX-DOAS observations of formaldehyde and nitrogen dioxide at three sites in Asia and comparison with the global chemistry transport model CHASER	Hossain Hoque	NO, I am not an early career scientist.	Session 2 Poster
179	Evaluating the GEOS-Chem High Performance (GCHP) model with observations of radical species at a UK monitoring supersite	Luke Fakes	YES, I am an early career scientist.	Session 2 Poster
180	Land cover change impacts on tropospheric composition: from the satellite record to modelling.	Emma Sands	YES, I am an early career scientist.	Session 2 Poster
189	Understanding the impact of future land-use change on climate through emissions of biogenic volatile organic compounds	Eleanor Smith	YES, I am an early career scientist.	Session 2 Poster
191	Satellite observation of wildfires in the Northern Hemisphere and their impact on CO and aerosol long-range transport: variability over 2008-2022	Antoine Ehret	YES, I am an early career scientist.	Session 2 Poster

193	Sources and processes influencing black carbon over Alaska during wintertime	Eleftherios Ioannidis	YES, I am an early career scientist.	Session 2 Poster
196	Identifying sources of local air pollution in Fairbanks, Alaska using FLEXPART-WRF simulations and observational data from the Alaskan Layered Pollution and Chemical Analysis (ALPACA) 2022 campaign.	Natalie Brett	YES, I am an early career scientist.	Session 2 Poster
197	Global datasets of natural emissions for the Copernicus Atmosphere Monitoring Service (CAMS) including emissions from vegetation, soils, oceans and volcanoes	Marina Liaskoni	YES, I am an early career scientist.	Session 2 Poster
199	Uncertainties estimation in aerosol classification for Latin American cities	Ariel Scagliotti	YES, I am an early career scientist.	Session 2 Poster
200	Influence of settings and predictors in neural network model performance: a Buenos Aires air quality case	Ariel Scagliotti	YES, I am an early career scientist.	Session 2 Poster
201	Seasonal and regional characteristics of carbon monoxide anomalies as seen by IAGOS between 2002 and 2019:	Thibaut Lebourgeois	YES, I am an early career scientist.	Session 2 Poster
213	Contrasting background ozone patterns along the Andes	Laura Gallardo	NO, I am not an early career scientist.	Session 2 Poster
214	Diagnosing the stratospheric proportion in tropospheric ozone using triple oxygen isotopes as tracers	Hao Xu	YES, I am an early career scientist.	Session 2 Poster
215	Constraining the accuracy of satellite derived XCO2 and XCH4 trends and variations over oceans - two approaches using commercial ship and aircrafts	Astrid Müller	NO, I am not an early career scientist.	Session 2 Poster

216	Shipborne observations of black carbon aerosols in the Arctic Ocean during summer and autumn 2016–2020: Episode analysis and model comparison	Yange Deng	NO, I am not an early career scientist.	Session 2 Poster
231	Air quality deterioration episode associated with typhoon over the complex topographic environment in central Taiwan	Chuan-Yao Lin	NO, I am not an early career scientist.	Session 2 Poster
234	Characteristics of atmospheric black carbon and other aerosol particles over the Arctic Ocean in early autumn 2016: Influence from biomass burning as assessed with observed microphysical properties and model simulations	Fumikazu Taketani	NO, I am not an early career scientist.	Session 2 Poster
237	Halogenated Greenhouse Gas Emissions from the Netherlands determined from Regional Atmospheric Measurements	Dominique Rust	YES, I am an early career scientist.	Session 2 Poster
246	Seasonal and diurnal characteristics of wind in urban boundary layer	Yung-Chang Chen	NO, I am not an early career scientist.	Session 2 Poster
248	An Arctic cyclone-induced bromine explosion event in Ny-Ålesund, Svalbard	Xin Yang	NO, I am not an early career scientist.	Session 2 Poster
254	Seasonal comparison of summer and wintertime hydrogen chloride at an inland urban site	John Halfacre	NO, I am not an early career scientist.	Session 2 Poster
257	Vertical profiles of global tropospheric nitrogen dioxide (NO2) obtained via cloud-slicing TROPOMI partial columns.	Bex Horner	YES, I am an early career scientist.	Session 2 Poster
258	The Spectroscopic Determination of ClNO2 via TILDAS	John Halfacre	NO, I am not an early career scientist.	Session 2 Poster
266	Models, In situ, and Remote sensing of Aerosols (MIRA): Formation of an International Working Group	Gregory Schuster	NO, I am not an early career scientist.	Session 2 Poster
268	Single particle chemical and physical composition of freshly emitted Saharan dust.	Agnesh Panta	YES, I am an early career scientist.	Session 2 Poster

269	Assessing the tropospheric ozone budget in the tropics - UKCA contribution to the TOAR-II OPT project	Paul Griffiths	NO, I am not an early career scientist.	Session 2 Poster
270	Using low-cost sensors to measure NO2 and O3 pollution in urban street canyons	Seán Schmitz	YES, I am an early career scientist.	Session 2 Poster
277	Calibrating a global chemistry transport model for tropospheric ozone	Oliver Wild	NO, I am not an early career scientist.	Session 2 Poster
278	Assimilation of Aerosol Observations from the Future Spaceborne Lidar Onboard the AOS Mission into the MOCAGE Chemistry-Transport Model	Flavien CORNUT	YES, I am an early career scientist.	Session 2 Poster
281	Going beyond "shut-up and calculate" performance metrics: a low-cost story on pollution sensors	Sebastian Diez	NO, I am not an early career scientist.	Session 2 Poster
285	Deep Semi-supervised Learning for Early Warnings of Dust Events: Evidences from The Middle East	Ron Sarafian	YES, I am an early career scientist.	Session 2 Poster
286	Tropospheric ozone variability over the Mediterranean basin using SCIAMACHY and OMPS/NPP Limb-Nadir matching datasets.	Andrea Orfanoz-Cheuquelaf	YES, I am an early career scientist.	Session 2 Poster
294	NOX and CO2 emission estimation from high-resolution satellite pseudo-observations over the Kanto region of Japan using WRF model	Masahiro Yamaguchi	NO, I am not an early career scientist.	Session 2 Poster
305	Introduction to the AQ-WATCH project and its multi-model air quality forecast system	Cathy Li	NO, I am not an early career scientist.	Session 2 Poster
308	Weekly-based Top-Down Biogenic VOC fluxes over Europe Constrained by TROPOMI HCHO Column Densities	Glenn-Michael Oomen	YES, I am an early career scientist.	Session 2 Poster
310	A comparison of greenhouse gas emissions during COVID-19 lock downs in Manchester, UK	Han Yong	YES, I am an early career scientist.	Session 2 Poster
312	Is the 2020-2021 surge in global methane related to COVID-19 lockdown emission reductions?	David Stevenson	NO, I am not an early career scientist.	Session 2 Poster

318	Evaluation of Modeled PM2.5 and NO2 with Ground-based and Satellite Measurements in the Eastern Africa Cities	Ezekiel Nyaga	YES, I am an early career scientist.	Session 2 Poster
323	Tropical soil NO emissions: the view from TROPOMI NO2 column data	Jenny Stavrakou	YES, I am an early career scientist.	Session 2 Poster
328	Impact of Chlorine from Very Short-Lived Substances on Stratospheric Ozone	Zihao Wang	YES, I am an early career scientist.	Session 2 Poster
337	Continuous monitoring of biogenic VOC fluxes over South America by inversion of TROPOMI HCHO columns, 2018-2021	Jenny Stavrakou	NO, I am not an early career scientist.	Session 2 Poster
342	Insights from long-term measurements of biogenic volatile organic compounds using novel autonomous instrumentation	Valerio Ferracci	NO, I am not an early career scientist.	Session 2 Poster
353	Assessment of emission corrections for the German national emission inventory by applying spatio-temporal inversion	Anne Caroline Lange	NO, I am not an early career scientist.	Session 2 Poster
356	Free tropospheric ozone trends observed by IASI and simulated by LMDZ-OR-INCA between 2008 and 2020 over Central East China, Europe and North America and COVID impact in spring 2020	Gaëlle Dufour	NO, I am not an early career scientist.	Session 2 Poster
358	Ground-based Lidar Ratio Retrievals for Improvement in Extinction Products in Version 5 of CALIOP	Jayanta Kar	NO, I am not an early career scientist.	Session 2 Poster
366	CALIPSO-SODA lidar ratio maps for CALIPSO aerosol types	David Painemal	NO, I am not an early career scientist.	Session 2 Poster
371	Investigating the importance of aqueous-phase chemistry in deliquescent aerosols using the global atmospheric chemistry model EMAC	Simon Rosanka	YES, I am an early career scientist.	Session 2 Poster

372	Regional and Local Mineral Dust Activity over South America assessed through high-resolution satellite products	Nicolas Huneeus	NO, I am not an early career scientist.	Session 2 Poster
373	The retrieval of atmospheric trace gases using passive solar remote sensing from satellite and aircraft platforms: progress and challenges	John Burrows FRS	NO, I am not an early career scientist.	Session 2 Poster
377	Performing ICON-ART simulations for atmospheric long-range transport of PFAS	Hiram Meza Landero	YES, I am an early career scientist.	Session 2 Poster
381	On the identification of an emerging anthropogenic combustion source of Carbon Monoxide at continental scales	Benjamin Gaubert	NO, I am not an early career scientist.	Session 2 Poster
387	Tropical tropospheric ozone distribution and trends	Audrey Gaudel	NO, I am not an early career scientist.	Session 2 Poster
393	Observations of the AOD–PM Relationship and its Variation on Urban Spatial Scales	Milan Patel	YES, I am an early career scientist.	Session 2 Poster
397	Overview of the SPARC Reanalysis Intercomparison Project (S-RIP) and Phase 2 Plans	Jonathon Wright	NO, I am not an early career scientist.	Session 2 Poster
399	Assessing data quality in long-term Canadian ozone sounding records	David Tarasick	NO, I am not an early career scientist.	Session 2 Poster
400	Integrated Modeling and Remote Sensing of Air Quality in a Coastal Urban Environment: Challenges and Insights from the Boston Basin	Jeffrey Geddes	NO, I am not an early career scientist.	Session 2 Poster
402	Multi-scale Modeling Over Australia for the 2019/2020 Extreme Wildfire Season	Rebecca Buchholz	NO, I am not an early career scientist.	Session 2 Poster
406	Airborne eddy covariance measurements of Volatile Organic Compounds and NOx in Los Angeles for emission inventory validation	Eva Pfannerstill	YES, I am an early career scientist.	Session 2 Poster

408	A significance of regional transports on urban air quality indicated by PM2.5 and O3 measurements at a 630m mountain top site in Seoul	CHANGDONG YUN	YES, I am an early career scientist.	Session 2 Poster
410	Long-term Variations of Climate Pollutants Observed in the Yellow Sea during 2015~2021	DOYOUNG KIM	YES, I am an early career scientist.	Session 2 Poster
412	Interactive ammonia emissions from feed and food production within the IPSL coupled model: evaluation using satellite observations	Maureen Beaudor	YES, I am an early career scientist.	Session 2 Poster
422	Impacts of improved sea-spray and biogenic aerosol representation on simulated aerosol, cloud and radiation biases over the Southern Ocean.	Imogen Wadlow	YES, I am an early career scientist.	Session 2 Poster
437	Deep Learning Based Convective Boundary Layer Determination for Aerosol and Wind Profiles observed by Coherent Doppler Lidar	Wei-Nai Chen	NO, I am not an early career scientist.	Session 2 Poster
441	Formation of HONO and its implication for nitrogen oxides chemistry in Urban Seoul	Junsu Gil	YES, I am an early career scientist.	Session 2 Poster
445	National scale inversion of NOx emissions in France constrained by TROPOMI NO2tropospheric columns	Robin Plauchu	YES, I am an early career scientist.	Session 2 Poster
454	Evaluation of different Aerosol Optical Depth products over the Northeastern region of Brazil based on land use characteristics	Gabriel Munchow	YES, I am an early career scientist.	Session 2 Poster
468	Machine Learning Modelling for Studying the Impact of the COVID-19 Lockdown on Air Pollution Levels in Air Quality Measurement Sites in Manchester, UK and Its Characteristics: Analysis of Meteorological Factors, Traffic Factors, and Historical Data	Tong Wu	YES, I am an early career scientist.	Session 2 Poster

476	Multi-sensor estimates of global and regional Ozone generated with the Tropospheric Ozone and its Precursors from Earth System Sounding (TROPESS) framework	Edward Malina	NO, I am not an early career scientist.	Session 2 Poster
477	First vertical profile measurements of NO2, formaldehyde and aerosols over Central London	Robert Ryan	YES, I am an early career scientist.	Session 2 Poster
208	Air pollution simulation in South America using the Multi-Scale Infrastructure for Chemistry and Aerosols (MUSICA) model	Sergio Ibarra-Espinosa	NO, I am not an early career scientist.	Session 2: Poster
232	A numerical study of impacts of marine-emitted halogens on atmospheric OH radicals in East Asia	Shidong Fan	YES, I am an early career scientist.	Session 2: Poster
245	A new emission inventory for NOx and BC based on OMI observations with a simple top-down mass-conserving model method	Jian Liu	YES, I am an early career scientist.	Session 2: Poster
430	Land use change and meteorology effect on atmospheric ammonia (NH3) as seen by IASI	Rimal Abeed	YES, I am an early career scientist.	Session 2: Poster
446	Investigating the impact of atmospheric biomass burning aerosols of the 2019 and 2020 burning seasons on the Metropolitan Area of São Paulo, Brazil with the EURAD-IM model on high-resolution and local measurements	Ediclê Duarte	YES, I am an early career scientist.	Session 2: Poster
5	Inhalable Particulate PAHs: Variability, Sources and Associated Health Risks in Delhi, India	Saurabh Sonwani	YES, I am an early career scientist.	Session 3 Poster
12	Investigating the impacts of cooking on indoor air quality	Marvin Shaw	NO, I am not an early career scientist.	Session 3 Poster
16	Probing wintertime air pollution sources in the Indo-Gangetic Plain through 52 hydrocarbons measured rarely at Delhi & Mohali	Ashish Kumar	YES, I am an early career scientist.	Session 3 Poster

21	Characterization of intense winter air pollution from residential wood burning at an urban location: VOCs and aerosols.	Maximilien Desservettaz	YES, I am an early career scientist.	Session 3 Poster
22	Towards an Improved Air Quality in Nairobi City: Insights from the A system Approach to Air pollution studies	Tom Randa	YES, I am an early career scientist.	Session 3 Poster
27	Air pollution in cold-climate in the age of margining contaminants and Covid-19	Parisa Ariya	NO, I am not an early career scientist.	Session 3 Poster
35	Sensitivity of simulated Ice Nuclei Particle concentrations to soil mineralogy	Marios Chatziparaschos	YES, I am an early career scientist.	Session 3 Poster
37	In situ qualitative and quantitative characterization of Biogenic Volatile Organic Compounds emissions under urban conditions	Carmen Kalalian	NO, I am not an early career scientist.	Session 3 Poster
53	Establishment of Conceptual Schemas of Surface Synoptic Meteorological Situations Affecting Fine Particulate Pollution Across Eastern China in the Winter	Xuewei Hou	NO, I am not an early career scientist.	Session 3 Poster
61	DEVELOPMENT OF ATMOSPHERIC EMISSIONS INVENTORY FOR BRAZIL'S REFINERY SECTOR WITH A BOTTOM-UP APPROACH	Camila Ibagué	YES, I am an early career scientist.	Session 3 Poster
62	Relationship between extreme rainfall and drought events and particulate matter concentration	Rafaela Ramos	NO, I am not an early career scientist.	Session 3 Poster
72	Fluorescent characteristics of historical African dust event: The Godzilla dust plume in June 2020	Bighnaraj Sarangi	NO, I am not an early career scientist.	Session 3 Poster
76	Understanding Atmospheric Properties of Pesticides Using Mass Spectrometry	Olivia Jackson	YES, I am an early career scientist.	Session 3 Poster
81	PM chemical characterization in a semi-arid region in central Mexico	Dara Salcedo	NO, I am not an early career scientist.	Session 3 Poster
98	African anthropogenic emission inventories for main GHGs and air pollutants from 2010 to 2018	Sekou KEITA	YES, I am an early career scientist.	Session 3 Poster

100	Controls over the intraurban variability in nitrogen dioxide pollution in Dakar, Senegal	Aissatou Faye	YES, I am an early career scientist.	Session 3 Poster
106	Identifying Wildfire Influence on Air Pollutant Levels in Rural and Urban Canada	Stephanie Schneider	YES, I am an early career scientist.	Session 3 Poster
108	Wildfires CO pathways in the global atmosphere – a climatological study	Nikos Daskalakis	NO, I am not an early career scientist.	Session 3 Poster
122	Influences of Fireworks on Chemical Characterization and Optical Properties of Water-soluble Organic Aerosols in a Coastal City, China	Caiqing Yan	NO, I am not an early career scientist.	Session 3 Poster
123	Rapid Changes of Meteorology and Emission Increased the Contribution of Cross-regional Transport to the Ambient PM2.5 in the Pearl River Delta Region during the Polluted Seasons of 2015-2017	Kun Qu	YES, I am an early career scientist.	Session 3 Poster
124	Lagrangian inversion of long-lived VCP tracers and forward chemical modeling in the southwestern United States	Bert Verreyken	YES, I am an early career scientist.	Session 3 Poster
135	A Street-level assessment of Greenhouse Gas emissions associated with Traffic Congestion in the City of Nairobi, Kenya	Cynthia Sitati	YES, I am an early career scientist.	Session 3 Poster
139	Improving NMVOCs control strategies based on emission source characteristics and chemical reactivity in Spain	Kevin Oliveira	YES, I am an early career scientist.	Session 3 Poster
144	Mid-21st Century Health Burden of PM2.5 and O3 Pollution in Western Europe following Shared Socioeconomic Pathway Emissions Projections.	Connor Clayton	YES, I am an early career scientist.	Session 3 Poster
148	Development of an interactive atlas for air quality and impact applications using chemical reanalysis products	Thierno Doumbia	NO, I am not an early career scientist.	Session 3 Poster

149	Sensitive of spaceborne NO2 observations to coal mining and production over the Kuznetsk Basin	Dmitry Belikov	NO, I am not an early career scientist.	Session 3 Poster
150	Hydrochloric acid emission dominates inorganic aerosol formation from ammonia in the Indo-Gangetic Plain during winter	Pooja Pawar	YES, I am an early career scientist.	Session 3 Poster
151	Impact of Covid-19 lockdown on air quality of Dhaka city: an in-depth investigation	Biswas Farhana	NO, I am not an early career scientist.	Session 3 Poster
152	Chemical characteristics of atmospheric particulates collected in low-income urban settlements in South Africa	Pieter van Zyl	NO, I am not an early career scientist.	Session 3 Poster
162	Achieving continuous measurement of Asian VOC emissions, including oxygenates, on Hateruma Island	Stephen Andrews	NO, I am not an early career scientist.	Session 3 Poster
163	Sources of pollutant emissions affecting air quality in rural and urban areas in northern Africa.	Nabil Deabji	YES, I am an early career scientist.	Session 3 Poster
164	Global and European inventories of anthropogenic emissions of greenhouse gases and air pollutants for the Copernicus atmosphere monitoring service (CAMS)	Antonin Soulie	YES, I am an early career scientist.	Session 3 Poster
165	Towards an integrated anthropogenic emission inventory for China	Yijuan Zhang	YES, I am an early career scientist.	Session 3 Poster
171	Speciated VOC emissions from road transport	Samuel Cliff	YES, I am an early career scientist.	Session 3 Poster
174	Volatile Organic Compound (VOCs) in ambient air and its effect to the environment and human health	NOR SYAMIMI HAWARI	YES, I am an early career scientist.	Session 3 Poster
176	Assessment of Reductions in Emission-driven Air Pollution during three largest Mega-events and Wuhan COVID-19 Lockdown of China	Haoxiang Xu	YES, I am an early career scientist.	Session 3 Poster

181	Using multi-year datasets of daily scale satellite and in-situ flux observations to estimate NOx emissions on a provincial scale in energy rich northern China	Xiaolu Li	YES, I am an early career scientist.	Session 3 Poster
182	Estimation and evaluation of biogenic volatile organic compound emissions from urban green space in China	Mingchen Ma	YES, I am an early career scientist.	Session 3 Poster
183	The impact of extreme weather events and emissions on ozone in urban and rural areas under a warming climate	Yang Gao	NO, I am not an early career scientist.	Session 3 Poster
184	Replacing the greater evil: can legalizing decentralized waste burning in improved devices reduce waste burning emissions for improved air quality?	Pooja Chaudhary	YES, I am an early career scientist.	Session 3 Poster
185	Influence of COVID-19 Conditions on Ozone Chemistry of Delhi	Renu Masiwal	YES, I am an early career scientist.	Session 3 Poster
186	Source identification and health risk assessment of PM2.5- bound heavy metals in residential environment of Dhaka, Bangladesh	Samiha Nahian	YES, I am an early career scientist.	Session 3 Poster
198	NO2 variation during the COVID-19 lockdown over Poland from TROPOMI and OMI - a comparison of the major Polish cities.	Emeka Ugboma	YES, I am an early career scientist.	Session 3 Poster
211	Roles of regional transport and boundary layer mixing in aerosol pollution observed above Shanghai urban canopy over the COVID-19 lockdown period	Zhen Song	YES, I am an early career scientist.	Session 3 Poster
219	Aerosol layer height retrieval using Advanced Himawari Imager (AHI), and analysis of aerosol-related variables to improve the accuracy of tropospheric NO2 vertical column density from GOSAT-GW	Hyunkwang Lim	YES, I am an early career scientist.	Session 3 Poster
221	Algorithm to estimate aerosol concentration with image analysis techniques: SNAP-CII	Tomohiro Sato	NO, I am not an early career scientist.	Session 3 Poster

224	Analysis of the COVID-19 influence on an air quality in urban cities in Japan with multiple satellite and ground-based measurements	Tamaki Fujinawa	NO, I am not an early career scientist.	Session 3 Poster
225	Demystifying carbonaceous aerosols and CO over the Central Himalayas: Synergising about two decades of ground observations	Priyanka Srivastava	YES, I am an early career scientist.	Session 3 Poster
226	Connecting aerosol composition to health effects	Yinon Rudich	NO, I am not an early career scientist.	Session 3 Poster
228	Spatio-temporal of surface ozone (O3) variations at urban and suburban sites in Sarawak region of Malaysia	HARTINI MAHIDIN	YES, I am an early career scientist.	Session 3 Poster
230	The impact of environmentally friendly fireworks on the urban air quality and population exposure	Shidong Fan	YES, I am an early career scientist.	Session 3 Poster
236	Long-term observation of PM10, PM2.5, and black carbon aerosols at a high-altitude background station in the western North Pacific	Shantanu Kumar Pani	NO, I am not an early career scientist.	Session 3 Poster
239	Quantifying NOx source contributions to aerosol nitrate across the South African air pollution priority areas using nitrogen stable isotopes	Katye Altieri	NO, I am not an early career scientist.	Session 3 Poster
247	Trends in surface ozone and its precursors in Saxony, Germany	Yaru Wang	YES, I am an early career scientist.	Session 3 Poster
252	Sources and processes of water-soluble and water-insoluble organic aerosol in cold season in Beijing, China	Zhiqiang Zhang	YES, I am an early career scientist.	Session 3 Poster
253	Identification and quantification of volatile organic compounds at a regionally representative background site in South Africa	Kerneels Jaars	NO, I am not an early career scientist.	Session 3 Poster
256	Variabilities in surface ozone at different sites in the Central Himalayas: Assessing the role of NMHCs	Mahendar Rajwar	YES, I am an early career scientist.	Session 3 Poster

259	Emissions of particulate associated - major and trace elements from residential biofuels burning in rural regions of Western India	Sakshi Ahlawat	YES, I am an early career scientist.	Session 3 Poster
260	Speciated Fingerprints of Plastics: Applications and Implications on Urban Air Quality	Xiaorui Wu	YES, I am an early career scientist.	Session 3 Poster
272	Measurements of HCHO, OH, HO2, and OH reactivity at a UK urban site	Samuel Seldon	YES, I am an early career scientist.	Session 3 Poster
274	Assessment of PM2.5 characteristics in old Delhi region, India: Carbonaceous species, FTIR profiling, morphological and elemental analysis	Shobhna Shankar	YES, I am an early career scientist.	Session 3 Poster
279	Global Emissions InitiAtive (GEIA) – IGAC Activity	Cathy Liousse	NO, I am not an early career scientist.	Session 3 Poster
283	Long-term trends of Total Number Count and Black Carbon at Rural, Urban Background, and Urban Traffic Sites in the UK	Seny Damayanti	YES, I am an early career scientist.	Session 3 Poster
287	VOCs changes under COVID-19 lockdowns in Europe	Alexandre Caseiro	NO, I am not an early career scientist.	Session 3 Poster
288	APExpose: an european air pollution exposure dataset based on modelling, satellite and in-situ measurements and its application to COVID-19 hospitalizations	Alexandre Caseiro	NO, I am not an early career scientist.	Session 3 Poster
290	Investigation of major emission sources of non-methane hydrocarbons and their role in ozone formation in New Delhi, India	Nidhi Tripathi	YES, I am an early career scientist.	Session 3 Poster
298	Stable isotope constraints on atmospheric nitrate sources and formation pathways in an urban polar area: preliminary results of the winter 2022 CASPA/ALPACA campaign	Sarah Albertin	YES, I am an early career scientist.	Session 3 Poster

303	Health impacts of the Saddleworth Moor fire 2018: the importance of model resolution	Benjamin Drummond	NO, I am not an early career scientist.	Session 3 Poster
304	Variability of aerosol sources and atmospheric deposition processes to the area of Brijuni National Park, Croatia	Ana Cvitešić Kušan	YES, I am an early career scientist.	Session 3 Poster
309	Impact of a plus 2°C climate on biogenic emissions and air quality	Safae Oumami	YES, I am an early career scientist.	Session 3 Poster
314	Monitoring the atmospheric composition and air quality impacts of the Cumbre Vieja volcanic eruption in 2021	Mark Parrington	NO, I am not an early career scientist.	Session 3 Poster
316	Investigating air quality impacts from unconventional oil and gas development in surrounding communities	I-Ting Ku	YES, I am an early career scientist.	Session 3 Poster
317	Seasonal variations and compositions of size-fractioned urban atmospheric particulate matter in Kuala Lumpur, Malaysia	Mohd Talib Latif	NO, I am not an early career scientist.	Session 3 Poster
321	Simulations of Air Quality in South America: effects of boundary conditions and model intercomparison.	Pablo Lichtig	YES, I am an early career scientist.	Session 3 Poster
327	Retrieving CALIOP-based particulate matter concentrations for the Models, In situ, and Remote sensing of Aerosols (MIRA) Project	Travis Toth	NO, I am not an early career scientist.	Session 3 Poster
331	Improving representation of population exposure to urban air pollution by the addition of microenvironmental low-costs sensors to existing fixed site monitoring network	Tilman Hohenberger	YES, I am an early career scientist.	Session 3 Poster
332	Influence of airborne PM2.5 on the respiratory disease incidence in Mendoza, Argentina	Maria Tames	YES, I am an early career scientist.	Session 3 Poster
344	A Global Gridded Emission Inventory for PFOA and PFOS, 1950 to 2020	Pascal Simon	YES, I am an early career scientist.	Session 3 Poster

349	Health burden of air pollution from the oil and gas lifecycle in Texas	Karn Vohra	YES, I am an early career scientist.	Session 3 Poster
351	Characteristics and Sources of Delhi aerosol-an overview based on filter-based observations	Deepchandra Srivastava	NO, I am not an early career scientist.	Session 3 Poster
354	Changes in Global Urban Air Quality due to Large Scale Disruptions of Activity	Will Drysdale	YES, I am an early career scientist.	Session 3 Poster
362	Atmospheric organic pollutants detected with high temporal resolution during 2020 (COVID-19 period)	Alberto Garcia-Ibarra	YES, I am an early career scientist.	Session 3 Poster
363	Organic molecular markers hourly measured in PM2.5 at Southwest of Mexico City	Enrique Hernández-López	YES, I am an early career scientist.	Session 3 Poster
378	Seasonal Variation Analysis of PM2.5 over Accra, Ghana	Victoria Owusu-Tawiah	YES, I am an early career scientist.	Session 3 Poster
385	Targeting double disproportionality in industrial air emissions in Canada: A strategy to reduce environmental inequities?	Rivkah Gardner-Frolick	YES, I am an early career scientist.	Session 3 Poster
391	A high spatial resolution (~2km) map of NOx emissions in the Bay Area	Yishu Zhu	YES, I am an early career scientist.	Session 3 Poster
394	Investigating Neighborhood-Scale Spatial Variation in Urban Tropospheric Ozone	Anna Winter	YES, I am an early career scientist.	Session 3 Poster
398	ORGANIC ACIDS IN BIOMASS-BURNING AND NON-BIOMASS-BURNING EPISODES	Y. Margarita Martínez	NO, I am not an early career scientist.	Session 3 Poster
407	Flaring combustion efficiencies and NOx emission ratios from oil and gas facilities in the North Sea	Jacob Shaw	NO, I am not an early career scientist.	Session 3 Poster
423	Future PM2.5-related premature mortality	Ulas Im	NO, I am not an early career scientist.	Session 3 Poster
425	Variations of Chemical Composition and Sources of PM2.5 in Beijing Based on Hourly Continuous Online Measurements from 2016 to 2019	Mei Zheng	NO, I am not an early career scientist.	Session 3 Poster

436	Effects of ambient air pollution exposure on IVF (in vitro fertilization) outcomes.	Haoze Song	YES, I am an early career scientist.	Session 3 Poster
448	Mitigating COVID transmission in place of worship: Characterizing CO2 concentration in California churches	Paloma Ledesma	NO, I am not an early career scientist.	Session 3 Poster
451	Estimating changes in ozone levels due to COVID-19 lockdown measures based on a business-as-usual prediction scenario using a machine learning approach.	Melisa Diaz Resquin	YES, I am an early career scientist.	Session 3 Poster
456	Characterization of submicron aerosol composition and size near ship plumes, within a Sulphur Emission Control Area (SECA), and in international waters.	Navaneeth Thamban	YES, I am an early career scientist.	Session 3 Poster
459	City and site-type variations of two PM2.5 oxidative potential measures in five Colombian cities	Nestor Rojas	NO, I am not an early career scientist.	Session 3 Poster
463	Identifying sources of fine mode aerosols during the pre-monsoon period in Brahmaputra Valley	Adnan Qadri	YES, I am an early career scientist.	Session 3 Poster
469	Sea breeze role on air quality in the Red Sea coastline cities: Jeddah as a case study	Khalid Alzahrani	YES, I am an early career scientist.	Session 3 Poster
478	Assessment of particle pollution events in a large megacity in the Southern Hemisphere	Guilherme Pereira	NO, I am not an early career scientist.	Session 3 Poster
31	The mutual interactions among ozone, fine particulate matter, and carbon dioxide on summer monsoon climate in East Asia	Danyang Ma	YES, I am an early career scientist.	Session 3: Poster
105	Black carbon emissions from traffic contribute substantially to air pollution in Nairobi, Kenya	Leonard Kirago	YES, I am an early career scientist.	Session 3: Poster
204	Modelling aerosol-boundary layer interactions over Northern India- Case study of 2016 haze episode using WRF-Chem	Prerita Agarwal	YES, I am an early career scientist.	Session 3: Poster
251	Aerosol remote sensing uncertainty estimation in Latin American cities	Josefina Urquiza	YES, I am an early career scientist.	Session 3: Poster

261	Monitoring of hygroscopicity of PM2.5 using low-cost sensors at Chandigarh in North India: Effect of crop residue burning	Tomoki Nakayama	NO, I am not an early career scientist.	Session 3: Poster
282	Assessing Black Carbon and Particulate Matter from mobile measurements in Quintero, Chile	Zoe Fleming	NO, I am not an early career scientist.	Session 3: Poster
433	Physico-chemical Characterization of Atmospheric Particles During Dust Storm in the Vicinity of Thar Desert	Mamta Devi	YES, I am an early career scientist.	Session 3: Poster
434	Particulate Matter Removal Efficiency of Potted Epipremnum aureum: A Study in Indoor Environment	Supreet Kaur	YES, I am an early career scientist.	Session 3: Poster
435	Temporal Variation of Elemental Composition of PM Fine Mode Fraction over Delhi NCR	Kartika Pandey	YES, I am an early career scientist.	Session 3: Poster
450	Sources of Carbonaceous Aerosols in Douala City, Cameroon	Samuel Mwaniki Gaita	NO, I am not an early career scientist.	Session 3: Poster
8	Comparing the impacts of isoprene and iodine emissions on tropospheric photochemistry	Ryan Pound	YES, I am an early career scientist.	Session 4 Poster
23	Ozone precursors And Boundary Layer Meteorology Before and During a Severe Ozone Episode in Mexico City	Tanzina Akther	YES, I am an early career scientist.	Session 4 Poster
28	Anthropogenic and biological Nano- and micro-particles ice nuclei: Impact on interfacial processes	Parisa Ariya	NO, I am not an early career scientist.	Session 4 Poster
43	A day in the life of a Scribbly Gum Tree - COALA-2020 campaign	Clare Murphy (Paton-Walsh)	NO, I am not an early career scientist.	Session 4 Poster
50	Impacts of changes in land-use, climate, and emissions on global air quality by 2050	Hemraj Bhattarai	YES, I am an early career scientist.	Session 4 Poster
60	The Hygroscopicity of Functionalized Insoluble Aerosol Surfaces	Chun-Ning Mao	YES, I am an early career scientist.	Session 4 Poster

70	Assessing the impacts of future changes in air pollution on human health and crop productivity in China for 2030.	Lisa Emberson	NO, I am not an early career scientist.	Session 4 Poster
74	Performance analysis of air pollution control device WAYU at a semi urban site in Agra, India.	Surat Dewan	YES, I am an early career scientist.	Session 4 Poster
75	A co-benefit analysis of the Climate and Air Quality impact from changes in near-term climate forcers in future Climate, Land-use and air pollutant emission mitigation scenarios	Steven Turnock	NO, I am not an early career scientist.	Session 4 Poster
86	Ozone deposition to the Arctic sea ice: Observations and 1D modelling during the 1-year MOSAiC expedition	Johannes Barten	YES, I am an early career scientist.	Session 4 Poster
88	Applying an integrated modelling approach for urban air quality management in South Africa	Rebecca Garland	NO, I am not an early career scientist.	Session 4 Poster
91	Links between oceanic ozone uptake and biogenic organic matter found in the sea surface microlayer	Katherine Weddell	YES, I am an early career scientist.	Session 4 Poster
153	Total ozone reactivity measurements from a Norway spruce in late summer	Steven Job Thomas	YES, I am an early career scientist.	Session 4 Poster
154	Characteristics of soil NO emissions from a UK suburban greenspace and SE Australian Eucalyptus forest	Hyunjin An	YES, I am an early career scientist.	Session 4 Poster
161	Optical properties, chemical compositions and potential sources of Methanol-soluble BrC in an urban area of northern Taiwan.	Yu-Chieh Ting	YES, I am an early career scientist.	Session 4 Poster
172	Prediction of aerosol pH in the marine boundary layer of the Southern Ocean using ISORROPIA-II model.	Sive Xokashe	YES, I am an early career scientist.	Session 4 Poster
222	Total VOC reactivity and its relationship with Organic Aerosols in an Urban Region in East Asia	Jonalyn Madriaga	YES, I am an early career scientist.	Session 4 Poster

240	Interfacial photochemistry of marine diatom lipids: Abiotic production of volatile organic compounds and new particle formation	Abra Penezic	NO, I am not an early career scientist.	Session 4 Poster
273	Recent multiphase and heterogenous chemistry modeling with new CAPRAM mechanism modules	Andreas Tilgner	NO, I am not an early career scientist.	Session 4 Poster
280	The Role of Water Vapor on Photo-bleaching of Organic Aerosol Particles	Rachel O'Brien	NO, I am not an early career scientist.	Session 4 Poster
293	Ozone flux at the sea surface: eddy covariance observations and biogeochemical controls	David Loades	YES, I am an early career scientist.	Session 4 Poster
302	Iodide oxidation at the gas air-water interface in cold environments	Antoine Roose	YES, I am an early career scientist.	Session 4 Poster
307	Seasonal measurements of hydroperoxy methylthioformate (HPMTF) over the North Atlantic Ocean	Thomas Bannan	NO, I am not an early career scientist.	Session 4 Poster
311	Hygroscopic growth of aerosol particles in the Amazon	Tailine dos Santos	YES, I am an early career scientist.	Session 4 Poster
319	Airborne observations over the North Atlantic Ocean reveal the first gas-phase measurements of urea in the atmosphere	Emily Matthews	YES, I am an early career scientist.	Session 4 Poster
339	The influence of soil moisture on soil NOx emissions: sensitivity to inputs and a more robust model parameterization	Daniel Huber	YES, I am an early career scientist.	Session 4 Poster
348	Wintertime Atmospheric Chlorine Chemistry on Aerosol Particles and Snow	Kerri Pratt	NO, I am not an early career scientist.	Session 4 Poster
355	Implementation of HONO into the chemistry-climate model CHASER (V4.0) and its roles to the tropospheric chemistry	Phuc Ha	YES, I am an early career scientist.	Session 4 Poster

370	Multiphase photodegradation of 1-nitropyrene in the atmospheric relevant conditions - a new approach to studying solid-water interactions	Ivana Drventić	YES, I am an early career scientist.	Session 4 Poster
389	How does ground-level ozone affect the growth and quality of lettuce crops?	Isla Young	YES, I am an early career scientist.	Session 4 Poster
464	Improving our understanding of upper tropospheric NOx using GEOS-Chem and TROPOMI cloud-sliced observations	Robert Ryan	NO, I am not an early career scientist.	Session 4 Poster
67	Daily cycle of sea spray aerosols emission	J.Michel Flores	NO, I am not an early career scientist.	Session 4: Poster
95	Fluorescent biological aerosol particles over the central Pacific Ocean: covariation with ocean-surface biological activity indicators	Kaori Kawana	NO, I am not an early career scientist.	Session 4: Poster
242	Phthalate esters in PM2.5 aerosols in six urban areas of Taiwan	Tse-Tsung Ho	YES, I am an early career scientist.	Session 4: Poster
250	Summertime measurements of atmospheric nitrous acid gas above snow at Halley VI Research Station, coastal Antarctica	Amelia Bond	YES, I am an early career scientist.	Session 4: Poster
140	RADICAL: Developing an electronic sensor for detecting short-lived atmospheric radicals and other gases	Adrien Gandolfo	YES, I am an early career scientist.	Session 5 Poster
202	Climate Action at Regional Scales: Lessons for the Chicago Region	Ashish Sharma	NO, I am not an early career scientist.	Session 5 Poster
271	Introducing NOAA's Earth's Radiation Budget (ERB) Program	Victoria Breeze	NO, I am not an early career scientist.	Session 5 Poster
296	Spatially Resolved Reduced Order Impact Modeling for Black Carbon to Inform Policy Scenarios	Lyssa Freese	YES, I am an early career scientist.	Session 5 Poster
297	NOAA's Next-Generation Space-based Capabilities for Observing Atmospheric Composition	Gregory Frost	NO, I am not an early career scientist.	Session 5 Poster

343	Attribution of Tropospheric Ozone to Sources of NOx and VOC Precursor Emissions in a Global Chemistry-Climate Model (CESM1.2.2-CAM4-Chem) for the 2000-2018 Period	Aditya Nalam	YES, I am an early career scientist.	Session 5 Poster
361	Sensitivity of Climate and Composition to Concomitant Idealised Future Changes in Methane and Hydrogen Emissions	Glen Chua	YES, I am an early career scientist.	Session 5 Poster
364	Utilizing satellite data to advance the understanding and modeling capability of land-atmospheric chemistry interactions and air quality	Min Huang	NO, I am not an early career scientist.	Session 5 Poster
404	The need for comprehensive understanding of secondary aerosol formation mechanisms in the development of PM2.5 reduction policy in Jakarta, Indonesia	Driejana Driejana	NO, I am not an early career scientist.	Session 5 Poster
69	Identifying key barriers to pollution and GHG emission reductions from Chinese agriculture for 2030.	Connie O'Neill	YES, I am an early career scientist.	Session 5: Poster
340	Relative contributions of fossil fuel and biomass burning sources to Black Carbon aerosol on the Southern Atlantic Ocean Coast and King George Island (Antarctic Peninsula)	Sérgio Gonçalves Jr.	YES, I am an early career scientist.	Session 5: Poster
383	Non-CO2 Forcers and their Climate, Weather, Air Quality and Health Impacts – New Project FOCI	Tomáš Halenka	NO, I am not an early career scientist.	Session 5: Poster
462	Aerobiology of SARS-Cov-2 in a tropical condition: a case study in a Brazilian Slum	Sérgio Gonçalves Jr.	YES, I am an early career scientist.	Session 5: Poster