

Tong Zhu

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3713599/tong-zhu-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

402
papers

17,473
citations

69
h-index

114
g-index

479
ext. papers

20,696
ext. citations

7.7
avg, IF

6.75
L-index

#	Paper	IF	Citations
402	A simple and rapid method for extraction and measurement of circulating sphingolipids using LC-MS/MS: a targeted lipidomic analysis.. <i>Analytical and Bioanalytical Chemistry</i> , 2022 , 414, 2041	4.4	2
401	Association of PM2.5 Reduction with Improved Kidney Function: A Nationwide Quasiexperiment among Chinese Adults. <i>Health Data Science</i> , 2022 , 2022, 1-9		
400	Modeling spatial variation of gaseous air pollutants and particulate matters in a Metropolitan area using mobile monitoring data.. <i>Environmental Research</i> , 2022 , 210, 112858	7.9	1
399	Transcriptional pathways of elevated fasting blood glucose associated with short-term exposure to ultrafine particles: A panel study in Beijing, China. <i>Journal of Hazardous Materials</i> , 2022 , 128486	12.8	0
398	Fine particulate matter and vasoactive 20-hydroxyeicosatetraenoic acid: Insights into the mechanisms of the prohypertensive effects of particulate air pollution. <i>Science of the Total Environment</i> , 2022 , 806, 151298	10.2	1
397	Glucose Metabolic Disorders Enhance Vascular Dysfunction Triggered by Particulate Air Pollution: a Panel Study.. <i>Hypertension</i> , 2022 , HYPERTENSIONAHA12118889	8.5	0
396	Role of the CXCL13/CXCR5 Axis in Autoimmune Diseases.. <i>Frontiers in Immunology</i> , 2022 , 13, 850998	8.4	1
395	New WHO global air quality guidelines help prevent premature deaths in China.. <i>National Science Review</i> , 2022 , 9, nwac055	10.8	0
394	Selenium protects against the likelihood of fetal neural tube defects partly via the arginine metabolic pathway.. <i>Clinical Nutrition</i> , 2022 , 41, 838-846	5.9	0
393	Personal exposure to electrophilic compounds of fine particulate matter and the inflammatory response: The role of atmospheric transformation.. <i>Journal of Hazardous Materials</i> , 2022 , 432, 128559	12.8	0
392	Triglyceride profiles are associated with subacute exposure to bisphenol A in healthy young adults.. <i>Science of the Total Environment</i> , 2022 , 825, 153991	10.2	
391	Ceramide metabolism mediates the impaired glucose homeostasis following short-term black carbon exposure: A targeted lipidomic analysis.. <i>Science of the Total Environment</i> , 2022 , 154657	10.2	1
390	Occurrence, seasonal variation, potential sources, and risks of organophosphate esters in a cold rural area in Northeast China.. <i>Science of the Total Environment</i> , 2022 , 155361	10.2	0
389	Estimation for ammonia emissions at county level in China from 2013 to 2018. <i>Science China Earth Sciences</i> , 2022 , 65, 1116-1127	4.6	1
388	Arachidonic acid metabolism and inflammatory biomarkers associated with exposure to polycyclic aromatic hydrocarbons. <i>Environmental Research</i> , 2022 , 212, 113498	7.9	0
387	Gestational exposure to landscape fire increases under-5 child death via reducing birthweight: A risk assessment based on mediation analysis in low- and middle-income countries. <i>Ecotoxicology and Environmental Safety</i> , 2022 , 240, 113673	7	0
386	Associations between differences in anemia-related blood cell parameters and short-term exposure to ambient particle pollutants in middle-aged and elderly residents in Beijing, China. <i>Science of the Total Environment</i> , 2021 , 816, 151520	10.2	2

385	Risk factors in air pollution exposome contributing to higher levels of TNF α in COPD patients.. <i>Environment International</i> , 2021 , 159, 107034	12.9	0
384	Chemical Production of Oxygenated Volatile Organic Compounds Strongly Enhances Boundary-Layer Oxidation Chemistry and Ozone Production. <i>Environmental Science & Technology</i> , 2021 , 55, 13718-13727	10.3	4
383	Metabolomic Changes after Subacute Exposure to Polycyclic Aromatic Hydrocarbons: A Natural Experiment among Healthy Travelers from Los Angeles to Beijing. <i>Environmental Science & Technology</i> , 2021 , 55, 5097-5105	10.3	4
382	Sulfate formation is dominated by manganese-catalyzed oxidation of SO on aerosol surfaces during haze events. <i>Nature Communications</i> , 2021 , 12, 1993	17.4	47
381	SARS pandemic exposure impaired early childhood development in China. <i>Scientific Reports</i> , 2021 , 11, 8694	4.9	3
380	Secondary Production of Gaseous Nitrated Phenols in Polluted Urban Environments. <i>Environmental Science & Technology</i> , 2021 , 55, 4410-4419	10.3	9
379	Transition in air pollution, disease burden and health cost in China: A comparative study of long-term and short-term exposure. <i>Environmental Pollution</i> , 2021 , 277, 116770	9.3	16
378	Atmospheric Boundary Layer-Free Troposphere Air Exchange in the North China Plain and its Impact on PM _{2.5} Pollution. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2021JD034641	4.4	2
377	Susceptibility of patients with chronic obstructive pulmonary disease to heart rate difference associated with the short-term exposure to metals in ambient fine particles: A panel study in Beijing, China. <i>Science China Life Sciences</i> , 2021 , 1	8.5	1
376	Dibasic Esters Observed as Potential Emerging Indoor Air Pollutants in New Apartments in Beijing, China. <i>Environmental Science and Technology Letters</i> , 2021 , 8, 445-450	11	3
375	Secondary Organic Aerosol Formation of Fleet Vehicle Emissions in China: Potential Seasonality of Spatial Distributions. <i>Environmental Science & Technology</i> , 2021 , 55, 7276-7286	10.3	7
374	Open fire exposure increases the risk of pregnancy loss in South Asia. <i>Nature Communications</i> , 2021 , 12, 3205	17.4	6
373	Association of long-term exposure to PM with blood lipids in the Chinese population: Findings from a longitudinal quasi-experiment. <i>Environment International</i> , 2021 , 151, 106454	12.9	6
372	Screening of imidazoles in atmospheric aerosol particles using a hybrid targeted and untargeted method based on ultra-performance liquid chromatography-quadrupole time-of-flight mass spectrometry. <i>Analytica Chimica Acta</i> , 2021 , 1163, 338516	6.6	2
371	U.S.-China Collaboration is Vital to Global Plans for a Healthy Environment and Sustainable Development. <i>Environmental Science & Technology</i> , 2021 , 55, 9622-9626	10.3	2
370	The health effects of wearing facemasks on cardiopulmonary system of healthy young adults: A double-blinded, randomized crossover trial. <i>International Journal of Hygiene and Environmental Health</i> , 2021 , 236, 113806	6.9	0
369	Susceptibility of individuals with chronic obstructive pulmonary disease to respiratory inflammation associated with short-term exposure to ambient air pollution: A panel study in Beijing. <i>Science of the Total Environment</i> , 2021 , 766, 142639	10.2	13
368	Difference in ambient-personal exposure to PM and its inflammatory effect in local residents in urban and peri-urban Beijing, China: results of the AIRLESS project. <i>Faraday Discussions</i> , 2021 , 226, 569-583	3.6	2

367	A component-specific exposure-mortality model for ambient PM in China: findings from nationwide epidemiology based on outputs from a chemical transport model. <i>Faraday Discussions</i> , 2021 , 226, 551-568	3.6	2
366	A new understanding of the microstructure of soot particles: The reduced graphene oxide-like skeleton and its visible-light driven formation of reactive oxygen species. <i>Environmental Pollution</i> , 2021 , 270, 116079	9.3	2
365	Comprehensive detection of nitrated aromatic compounds in fine particulate matter using gas chromatography and tandem mass spectrometry coupled with an electron capture negative ionization source. <i>Journal of Hazardous Materials</i> , 2021 , 407, 124794	12.8	9
364	Identification of organosiloxanes in ambient fine particulate matters using an untargeted strategy via gas chromatography and time-of-flight mass spectrometry. <i>Environmental Pollution</i> , 2021 , 271, 116128	9.3	0
363	Turbulence barrier effect during heavy haze pollution events. <i>Science of the Total Environment</i> , 2021 , 753, 142286	10.2	8
362	Association between a Rapid Reduction in Air Particle Pollution and Improved Lung Function in Adults. <i>Annals of the American Thoracic Society</i> , 2021 , 18, 247-256	4.7	2
361	Air quality and health benefits of China's current and upcoming clean air policies. <i>Faraday Discussions</i> , 2021 , 226, 584-606	3.6	6
360	Temperature inversions in China derived from sounding data from 1976 to 2015. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2021 , 73, 1-18	3.3	0
359	Estimation of pregnancy losses attributable to exposure to ambient fine particles in south Asia: an epidemiological case-control study. <i>Lancet Planetary Health</i> , 2021 , 5, e15-e24	9.8	15
358	Clean air actions in China, PM _{2.5} exposure, and household medical expenditures: A quasi-experimental study. <i>PLoS Medicine</i> , 2021 , 18, e1003480	11.6	4
357	Changes in bioactive lipid mediators in response to short-term exposure to ambient air particulate matter: A targeted lipidomic analysis of oxylipin signaling pathways. <i>Environment International</i> , 2021 , 147, 106314	12.9	9
356	The impacts of the atmospheric boundary layer on regional haze in North China. <i>Npj Climate and Atmospheric Science</i> , 2021 , 4,	8	11
355	BC and 1,4NQ-BC up-regulate the cytokines and enhance IL-33 expression in LPS pretreatment of human bronchial epithelial cells. <i>Environmental Pollution</i> , 2021 , 273, 116452	9.3	0
354	Organic Components of Personal PM Exposure Associated with Inflammation: Evidence from an Untargeted Exposomic Approach. <i>Environmental Science & Technology</i> , 2021 , 55, 10589-10596	10.3	7
353	Switching to electric vehicles can lead to significant reductions of PM _{2.5} and NO ₂ across China. <i>One Earth</i> , 2021 , 4, 1037-1048	8.1	7
352	Using Micro-Raman Spectroscopy to Investigate Chemical Composition, Mixing States, and Heterogeneous Reactions of Individual Atmospheric Particles. <i>Environmental Science & Technology</i> , 2021 , 55, 10243-10254	10.3	4
351	Mesoscale structure of the atmospheric boundary layer and its impact on regional air pollution: A case study. <i>Atmospheric Environment</i> , 2021 , 258, 118511	5.3	1
350	Association between exposure to polycyclic aromatic hydrocarbons and lipid peroxidation in patients with chronic obstructive pulmonary disease. <i>Science of the Total Environment</i> , 2021 , 780, 146660	10.2	4

349	Temporal and spatial characteristics of turbulent transfer and diffusion coefficient of PM. <i>Science of the Total Environment</i> , 2021 , 782, 146804	10.2	4
348	Differences in transcriptome response to air pollution exposure between adult residents with and without chronic obstructive pulmonary disease in Beijing: A panel study. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125790	12.8	3
347	Analytical methods for organosulfate detection in aerosol particles: Current status and future perspectives. <i>Science of the Total Environment</i> , 2021 , 784, 147244	10.2	10
346	Susceptibility of individuals with lung dysfunction to systemic inflammation associated with ambient fine particle exposure: A panel study in Beijing. <i>Science of the Total Environment</i> , 2021 , 788, 147760	10.2	4
345	Associations between exposure to landscape fire smoke and child mortality in low-income and middle-income countries: a matched case-control study. <i>Lancet Planetary Health</i> , 2021 , 5, e588-e598	9.8	2
344	The state of science on severe air pollution episodes: Quantitative and qualitative analysis. <i>Environment International</i> , 2021 , 156, 106732	12.9	1
343	Water as a probe for pH measurement in individual particles using micro-Raman spectroscopy. <i>Analytica Chimica Acta</i> , 2021 , 1186, 339089	6.6	3
342	Proinflammatory lipid signals trigger the health effects of air pollution in individuals with prediabetes. <i>Environmental Pollution</i> , 2021 , 290, 118008	9.3	2
341	Serum branched-chain amino acids modifies the associations between air pollutants and insulin resistance. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 225, 112780	7	1
340	Retrieval of aerosol liquid water content from high spectral resolution lidar. <i>Science of the Total Environment</i> , 2021 , 799, 149423	10.2	1
339	Long-term PM exposure and depressive symptoms in China: A quasi-experimental study. <i>The Lancet Regional Health - Western Pacific</i> , 2021 , 6, 100079	5	9
338	Organic Iodine Compounds in Fine Particulate Matter from a Continental Urban Region: Insights into Secondary Formation in the Atmosphere. <i>Environmental Science & Technology</i> , 2021 , 55, 1508-1514	10.2	4
337	Association of internal exposure to polycyclic aromatic hydrocarbons with inflammation and oxidative stress in prediabetic and healthy individuals. <i>Chemosphere</i> , 2020 , 253, 126748	8.4	14
336	Respiratory Inflammation and Short-Term Ambient Air Pollution Exposures in Adult Beijing Residents with and without Prediabetes: A Panel Study. <i>Environmental Health Perspectives</i> , 2020 , 128, 67004	8.4	16
335	Gold-core lithium-doped titania shell nanostructures for plasmon-enhanced visible light harvesting with photocatalytic activity. <i>Journal of Nanoparticle Research</i> , 2020 , 22, 1	2.3	3
334	Characterization of anthropogenic organic aerosols by TOF-ACSM with the new capture vaporizer. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 2457-2472	4	17
333	Reactive Oxygen Species-Related Inside-to-Outside Oxidation of Soot Particles Triggered by Visible-Light Irradiation: Physicochemical Property Changes and Oxidative Potential Enhancement. <i>Environmental Science & Technology</i> , 2020 , 54, 8558-8567	10.3	8
332	Research Progress on Estimation of the Atmospheric Boundary Layer Height. <i>Journal of Meteorological Research</i> , 2020 , 34, 482-498	2.3	14

331	Profiling Aerosol Liquid Water Content Using a Polarization Lidar. <i>Environmental Science & Technology</i> , 2020 , 54, 3129-3137	10.3	6
330	Susceptibility of individuals with chronic obstructive pulmonary disease to air pollution exposure in Beijing, China: A case-control panel study (COPDB). <i>Science of the Total Environment</i> , 2020 , 717, 137285	10.2	20
329	Improved method for the optical analysis of particulate black carbon (BC) using smartphones. <i>Atmospheric Environment</i> , 2020 , 224, 117291	5.3	3
328	Associations between changes in adipokines and exposure to fine and ultrafine particulate matter in ambient air in Beijing residents with and without pre-diabetes. <i>BMJ Open Diabetes Research and Care</i> , 2020 , 8,	4.5	4
327	Quantifying the contribution of temperature anomaly to stroke risk in China. <i>Environmental Research Letters</i> , 2020 , 15, 105014	6.2	0
326	Simultaneous measurements of urban and rural particles in Beijing [Part 1: Chemical composition and mixing state. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 9231-9247	6.8	5
325	Simultaneous measurements of urban and rural particles in Beijing [Part 2: Case studies of haze events and regional transport. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 9249-9263	6.8	5
324	Effects of AIR pollution on cardiopulmonary disEaSe in urban and peri-urban reSidents in Beijing: protocol for the AIRLESS study. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 15775-15792	6.8	6
323	Investigation of the chemical components of ambient fine particulate matter (PM) associated with in vitro cellular responses to oxidative stress and inflammation. <i>Environment International</i> , 2020 , 136, 105475	12.9	39
322	Isomeric Identification of Particle-Phase Organic Nitrates through Gas Chromatography and Time-of-Flight Mass Spectrometry Coupled with an Electron Capture Negative Ionization Source. <i>Environmental Science & Technology</i> , 2020 , 54, 707-713	10.3	9
321	Enhanced aqueous-phase formation of secondary organic aerosols due to the regional biomass burning over North China Plain. <i>Environmental Pollution</i> , 2020 , 256, 113401	9.3	17
320	Potential of Polarization Lidar to Profile the Urban Aerosol Phase State during Haze Episodes. <i>Environmental Science and Technology Letters</i> , 2020 , 7, 54-59	11	12
319	Photoactivated Graphene Oxide to Enhance Photocatalytic Reduction of CO. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 3580-3591	9.5	49
318	Understanding sources of fine particulate matter in China. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020 , 378, 20190325	3	7
317	Estimating Spatiotemporal Variation in Ambient Ozone Exposure during 2013-2017 Using a Data-Fusion Model. <i>Environmental Science & Technology</i> , 2020 , 54, 14877-14888	10.3	23
316	Study of the Formation Dynamics of OH from the Photolysis of O by Ultrashort Laser Pulses. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 6482-6486	6.4	
315	Why is the Indo-Gangetic Plain the region with the largest NH₃ column in the globe during pre-monsoon and monsoon seasons?. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 8727-8736	6.8	6
314	Biases Arising from the Use of Ambient Measurements to Represent Personal Exposure in Evaluating Inflammatory Responses to Fine Particulate Matter: Evidence from a Panel Study in Beijing, China. <i>Environmental Science and Technology Letters</i> , 2020 , 7, 746-752	11	3

313	Using low-cost sensor technologies and advanced computational methods to improve dose estimations in health panel studies: results of the AIRLESS project. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2020 , 30, 981-989	6.7	6
312	A rapid and high-throughput approach to quantify non-esterified oxylipins for epidemiological studies using online SPE-LC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 7989-8001	4.4	5
311	Methane emissions from natural gas vehicles in China. <i>Nature Communications</i> , 2020 , 11, 4588	17.4	11
310	Investigation of the atmospheric boundary layer during an unexpected summertime persistent severe haze pollution period in Beijing. <i>Meteorology and Atmospheric Physics</i> , 2020 , 132, 71-84	2	1
309	Molecular characteristics and diurnal variations of organic aerosols at a rural site in the North China Plain with implications for the influence of regional biomass burning. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 10481-10496	6.8	15
308	Characterising low-cost sensors in highly portable platforms to quantify personal exposure in diverse environments. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 4643-4657	4	39
307	Relative humidity and O_3 concentration as two prerequisites for sulfate formation. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 12295-12307	6.8	23
306	Dithiothreitol (DTT) activity of different fractions of fresh and ozonised soot and quantitative contributions of ozonised products of phenanthrene. <i>Atmospheric Environment</i> , 2019 , 214, 116835	5.3	2
305	Association between pregnancy loss and ambient PM using survey data in Africa: a longitudinal case-control study, 1998-2016. <i>Lancet Planetary Health, The</i> , 2019 , 3, e219-ee225	9.8	24
304	Potential impacts of cold frontal passage on air quality over the Yangtze River Delta, China. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 3673-3685	6.8	57
303	Characterising low-cost sensors in highly portable platforms to quantify personal exposure in diverse environments. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 4643-4657	4	49
302	Introduction to the special issue In-depth study of air pollution sources and processes within Beijing and its surrounding region (APHH-Beijing) <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 7519-7546	6.8	73
301	Change in the number of PM-attributed deaths in China from 2000 to 2010: Comparison between estimations from census-based epidemiology and pre-established exposure-response functions. <i>Environment International</i> , 2019 , 129, 430-437	12.9	26
300	Declines in mental health associated with air pollution and temperature variability in China. <i>Nature Communications</i> , 2019 , 10, 2165	17.4	62
299	RH and O_3 concentration as two prerequisites for sulfate formation 2019 ,		2
298	Nrf2 protects against diverse PM components-induced mitochondrial oxidative damage in lung cells. <i>Science of the Total Environment</i> , 2019 , 669, 303-313	10.2	48
297	Ammonia emission control in China would mitigate haze pollution and nitrogen deposition, but worsen acid rain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 7760-7765	11.5	172
296	Evaluation of Anthropogenic Emissions and Ozone Pollution in the North China Plain: Insights from the Air Chemistry Research in Asia (ARIAs) Campaign 2019 ,		2

295	Temperature inversions in severe polluted days derived from radiosonde data in North China from 2011 to 2016. <i>Science of the Total Environment</i> , 2019 , 647, 1011-1020	10.2	28
294	Hydrophobic Organic Components of Ambient Fine Particulate Matter (PM) Associated with Inflammatory Cellular Response. <i>Environmental Science & Technology</i> , 2019 , 53, 10479-10486	10.3	26
293	Susceptibility of prediabetes to the health effect of air pollution: a community-based panel study with a nested case-control design. <i>Environmental Health</i> , 2019 , 18, 65	6	19
292	Characteristics of biological particulate matters at urban and rural sites in the North China Plain. <i>Environmental Pollution</i> , 2019 , 253, 569-577	9.3	9
291	High efficiency of livestock ammonia emission controls in alleviating particulate nitrate during a severe winter haze episode in northern China. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 5605-5613	6.8	34
290	Method to retrieve cloud condensation nuclei number concentrations using lidar measurements. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 3825-3839	4	5
289	Rapid improvement of PM _{2.5} pollution and associated health benefits in China during 2013-2017. <i>Science China Earth Sciences</i> , 2019 , 62, 1847-1856	4.6	71
288	Atmospheric Heterogeneous and Multiphase Chemistry and Its Implications for Air Pollution in China 2019 , 83-167		0
287	Mitigation pathways of air pollution from residential emissions in the Beijing-Tianjin-Hebei region in China. <i>Environment International</i> , 2019 , 125, 236-244	12.9	43
286	Different metrics (number, surface area, and volume concentration) of urban particles with varying sizes in relation to fractional exhaled nitric oxide (FeNO). <i>Journal of Thoracic Disease</i> , 2019 , 11, 1714-1726	2.6	8
285	Using wavelet transform to analyse on-road mobile measurements of air pollutants: a case study to evaluate vehicle emission control policies during the 2014 APEC summit. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 13841-13857	6.8	1
284	Pro-Oxidative and Proinflammatory Effects After Traveling From Los Angeles to Beijing: A Biomarker-Based Natural Experiment. <i>Circulation</i> , 2019 , 140, 1995-2004	16.7	31
283	Synthesis of Polyacetylene-like Modified Graphene Oxide Aerogel and Its Enhanced Electrical Properties. <i>ACS Omega</i> , 2019 , 4, 20948-20954	3.9	5
282	Spatiotemporal continuous estimates of PM concentrations in China, 2000-2016: A machine learning method with inputs from satellites, chemical transport model, and ground observations. <i>Environment International</i> , 2019 , 123, 345-357	12.9	129
281	Modifications of autophagy influenced the Alzheimer-like changes in SH-SY5Y cells promoted by ultrafine black carbon. <i>Environmental Pollution</i> , 2019 , 246, 763-771	9.3	13
280	Effects of air/fuel ratio and ozone aging on physicochemical properties and oxidative potential of soot particles. <i>Chemosphere</i> , 2019 , 220, 883-891	8.4	16
279	Potentially Important Contribution of Gas-Phase Oxidation of Naphthalene and Methylnaphthalene to Secondary Organic Aerosol during Haze Events in Beijing. <i>Environmental Science & Technology</i> , 2019 , 53, 1235-1244	10.3	31
278	Oxidative Potential by PM in the North China Plain: Generation of Hydroxyl Radical. <i>Environmental Science & Technology</i> , 2019 , 53, 512-520	10.3	30

277	Characterization of saccharides and associated usage in determining biogenic and biomass burning aerosols in atmospheric fine particulate matter in the North China Plain. <i>Science of the Total Environment</i> , 2019 , 650, 2939-2950	10.2	20
276	Acute and chronic effects of ambient fine particulate matter on preterm births in Beijing, China: A time-series model. <i>Science of the Total Environment</i> , 2019 , 650, 1671-1677	10.2	24
275	Seasonal variations in fine particle composition from Beijing prompt oxidative stress response in mouse lung and liver. <i>Science of the Total Environment</i> , 2018 , 626, 147-155	10.2	35
274	Characterization of isoprene-derived secondary organic aerosols at a rural site in North China Plain with implications for anthropogenic pollution effects. <i>Scientific Reports</i> , 2018 , 8, 535	4.9	28
273	Investigations of temporal and spatial distribution of precursors SO ₂ and NO ₂ ; vertical columns in the North China Plain using mobile DOAS. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 1535-1554	6.8	22
272	Multiphase oxidation of SO ₂ by NO ₂ on CaCO ₃ particles. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 2481-2493	6.8	40
271	Using X-ray computed tomography and micro-Raman spectrometry to measure individual particle surface area, volume, and morphology towards investigating atmospheric heterogeneous reactions. <i>Journal of Environmental Sciences</i> , 2018 , 69, 23-32	6.4	4
270	Effects on IL-1 β signaling activation induced by water and organic extracts of fine particulate matter (PM) in vitro. <i>Environmental Pollution</i> , 2018 , 237, 592-600	9.3	63
269	Climatological study of the Boundary-layer air Stagnation Index for China and its relationship with air pollution. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 7573-7593	6.8	36
268	Black carbon particles and ozone-oxidized black carbon particles induced lung damage in mice through an interleukin-33 dependent pathway. <i>Science of the Total Environment</i> , 2018 , 644, 217-228	10.2	20
267	The effects of facemasks on airway inflammation and endothelial dysfunction in healthy young adults: a double-blind, randomized, controlled crossover study. <i>Particle and Fibre Toxicology</i> , 2018 , 15, 30	8.4	30
266	Association between birthweight and ambient PM in the United States: Individually-varied susceptibility and spatial heterogeneity. <i>Environment International</i> , 2018 , 119, 388-397	12.9	5
265	Water-soluble ions in hailstones in northern and southwestern China. <i>Science Bulletin</i> , 2018 , 63, 1177-1178	10.6	5
264	Cloud condensation nuclei activity of CaCO ₃ particles with oleic acid and malonic acid coatings. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 7345-7359	6.8	4
263	NO ₂ -initiated multiphase oxidation of SO ₂ by O ₂ on CaCO ₃ particles. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 6679-6689	6.8	23
262	Increment of ambient exposure to fine particles and the reduced human fertility rate in China, 2000-2010. <i>Science of the Total Environment</i> , 2018 , 642, 497-504	10.2	19
261	A prospective study (SCOPE) comparing the cardiometabolic and respiratory effects of air pollution exposure on healthy and pre-diabetic individuals. <i>Science China Life Sciences</i> , 2018 , 61, 46-56	8.5	25
260	Responses of healthy young males to fine-particle exposure are modified by exercise habits: a panel study. <i>Environmental Health</i> , 2018 , 17, 88	6	16

259	Introduction to Special Issue [In-depth study of air pollution sources and processes within Beijing and its surrounding region (APHH-Beijing) 2018 ,		3
258	Rapid SO ₂ emission reductions significantly increase tropospheric ammonia concentrations over the North China Plain. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 17933-17943	6.8	74
257	Association between fertility rate reduction and pre-gestational exposure to ambient fine particles in the United States, 2003-2011. <i>Environment International</i> , 2018 , 121, 955-962	12.9	13
256	Sizing of Ambient Particles From a Single-Particle Soot Photometer Measurement to Retrieve Mixing State of Black Carbon at a Regional Site of the North China Plain. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 12,778	4.4	13
255	Aerosol chemistry and particle growth events at an urban downwind site in North China Plain. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 14637-14651	6.8	13
254	Aerosol chemistry and particle growth events at an urban downwind site in the North China Plain 2018 ,		1
253	The impact of power generation emissions on ambient PM pollution and human health in China and India. <i>Environment International</i> , 2018 , 121, 250-259	12.9	70
252	High efficiency of livestock ammonia emission controls on alleviating particulate nitrate during a severe winter haze episode in northern China 2018 ,		1
251	Association Between Hypertensive Disorders in Pregnancy and Particulate Matter in the Contiguous United States, 1999-2004. <i>Hypertension</i> , 2018 , 72, 77-84	8.5	15
250	Sources and oxidative potential of water-soluble humic-like substances (HULIS _{WS}) in fine particulate matter (PM _{2.5}) in Beijing. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 5607-5617	6.8	62
249	Mitigation of severe urban haze pollution by a precision air pollution control approach. <i>Scientific Reports</i> , 2018 , 8, 8151	4.9	13
248	Strong ozone production at a rural site in the North China Plain: Mixed effects of urban plumes and biogenic emissions. <i>Journal of Environmental Sciences</i> , 2018 , 71, 261-270	6.4	23
247	Ozonized carbon black induces mitochondrial dysfunction and DNA damage. <i>Environmental Toxicology</i> , 2017 , 32, 944-955	4.2	22
246	Air quality, health, and climate implications of China's synthetic natural gas development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 4887-4892	11.5	68
245	Comparison of gene expression profiles induced by fresh or ozone-oxidized black carbon particles in A549 cells. <i>Chemosphere</i> , 2017 , 180, 212-220	8.4	20
244	Fine particle pH during severe haze episodes in northern China. <i>Geophysical Research Letters</i> , 2017 , 44, 5213-5221	4.9	147
243	Synergistic effect of nitrate-doped TiO aerosols on the fast photochemical oxidation of formaldehyde. <i>Scientific Reports</i> , 2017 , 7, 1161	4.9	9
242	Vehicle Emissions as an Important Urban Ammonia Source in the United States and China. <i>Environmental Science & Technology</i> , 2017 , 51, 2472-2481	10.3	128

241	Airborne nitro-PAHs induce Nrf2/ARE defense system against oxidative stress and promote inflammatory process by activating PI3K/Akt pathway in A549 cells. <i>Toxicology in Vitro</i> , 2017 , 44, 66-73	3.6	44
240	Comparison of lung damage in mice exposed to black carbon particles and 1,4-naphthoquinone coated black carbon particles. <i>Science of the Total Environment</i> , 2017 , 580, 572-581	10.2	13
239	Air pollution in China: scientific challenges and policy implications. <i>National Science Review</i> , 2017 , 4, 800-808	6	
238	Mixing State of Refractory Black Carbon of the North China Plain Regional Aerosol Combining a Single Particle Soot Photometer and a Volatility Tandem Differential Mobility Analyzer 2017 ,		2
237	High N ₂ O ₅ Concentrations Observed in Urban Beijing: Implications of a Large Nitrate Formation Pathway. <i>Environmental Science and Technology Letters</i> , 2017 , 4, 416-420	11	113
236	High Levels of Daytime Molecular Chlorine and Nitryl Chloride at a Rural Site on the North China Plain. <i>Environmental Science & Technology</i> , 2017 , 51, 9588-9595	10.3	48
235	Linking Urbanization and the Environment: Conceptual and Empirical Advances. <i>Annual Review of Environment and Resources</i> , 2017 , 42, 215-240	17.2	141
234	Effects of 1,4-naphthoquinone aged carbon black particles on the cell membrane of human bronchial epithelium. <i>Environmental Toxicology and Pharmacology</i> , 2017 , 54, 21-27	5.8	11
233	Model simulation of NO ₃ , N ₂ O ₅ and ClNO ₂ at a rural site in Beijing during CAREBeijing-2006. <i>Atmospheric Research</i> , 2017 , 196, 97-107	5.4	23
232	The Role of Photoreceptors in Response to Cucumber Mosaic Virus in Arabidopsis thaliana. <i>Journal of Plant Growth Regulation</i> , 2017 , 36, 257-270	4.7	5
231	Modification of the effects of air pollutants on mortality by temperature: A systematic review and meta-analysis. <i>Science of the Total Environment</i> , 2017 , 575, 1556-1570	10.2	72
230	Association of air pollution sources and aldehydes with biomarkers of blood coagulation, pulmonary inflammation, and systemic oxidative stress. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2017 , 27, 244-250	6.7	12
229	Simulated reaction of formaldehyde and ambient atmospheric particulate matter using a chamber. <i>Journal of Environmental Sciences</i> , 2017 , 56, 45-51	6.4	3
228	Direct radiative effect of carbonaceous aerosols from crop residue burning during the summer harvest season in East China. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 5205-5219	6.8	20
227	Heterogeneous reactions of mineral dust aerosol: implications for tropospheric oxidation capacity. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 11727-11777	6.8	85
226	The role of meteorological conditions and pollution control strategies in reducing air pollution in Beijing during APEC 2014 and Victory Parade 2015. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 13921-13940	6.8	48
225	Ozone and haze pollution weakens net primary productivity in China. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 6073-6089	6.8	105
224	Air stagnation in China (1985-2014): climatological mean features and trends. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 7793-7805	6.8	42

223	Sources and oxidative potential of water-soluble humic-like substances (HULIS_{>WS}) in fine particulate matter (PM_{>2.5}) in Beijing 2017 ,		2
222	Ambient Air Pollution and Out-of-Hospital Cardiac Arrest in Beijing, China. <i>International Journal of Environmental Research and Public Health</i> , 2017 , 14,	4.6	26
221	Evaluating Vehicle Emission Control Policies using on-Road Mobile Measurements and Continuous Wavelet Transform: a Case Study during the Asia-Pacific Economic Cooperation Forum, China 2014 2016 ,		1
220	MAP4K4 deficiency in CD4(+) T cells aggravates lung damage induced by ozone-oxidized black carbon particles. <i>Environmental Toxicology and Pharmacology</i> , 2016 , 46, 246-254	5.8	17
219	A quantitative assessment of source contributions to fine particulate matter (PM)-bound polycyclic aromatic hydrocarbons (PAHs) and their nitrated and hydroxylated derivatives in Hong Kong. <i>Environmental Pollution</i> , 2016 , 219, 742-749	9.3	58
218	Ethylene and hydrogen peroxide are involved in brassinosteroid-induced salt tolerance in tomato. <i>Scientific Reports</i> , 2016 , 6, 35392	4.9	71
217	Macrophage-Mediated Effects of Airborne Fine Particulate Matter (PM) on Hepatocyte Insulin Resistance in Vitro. <i>ACS Omega</i> , 2016 , 1, 736-743	3.9	18
216	Observation of regional air pollutant transport between the megacity Beijing and the North China Plain. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 14265-14283	6.8	21
215	High-resolution ammonia emissions inventories in China from 1980 to 2012. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 2043-2058	6.8	185
214	Multi-model evaluation of short-lived pollutant distributions over east Asia during summer 2008. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 10765-10792	6.8	16
213	Distribution and sources of air pollutants in the North China Plain based on on-road mobile measurements. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 12551-12565	6.8	17
212	Identification of concentrations and sources of PM2.5-bound PAHs in North China during haze episodes in 2013. <i>Air Quality, Atmosphere and Health</i> , 2016 , 9, 823-833	5.6	22
211	Estimating adult mortality attributable to PM2.5 exposure in China with assimilated PM2.5 concentrations based on a ground monitoring network. <i>Science of the Total Environment</i> , 2016 , 568, 1253-1262 ^{10.3} ²⁰⁴		
210	Characteristics of carbonaceous aerosols: Impact of biomass burning and secondary formation in summertime in a rural area of the North China Plain. <i>Science of the Total Environment</i> , 2016 , 557-558, 520-30	10.2	33
209	Association between size-segregated particles in ambient air and acute respiratory inflammation. <i>Science of the Total Environment</i> , 2016 , 565, 412-419	10.2	41
208	Atmospheric PAHs in North China: Spatial distribution and sources. <i>Science of the Total Environment</i> , 2016 , 565, 994-1000	10.2	56
207	Nitric oxide is involved in brassinosteroid-induced alternative respiratory pathway in <i>Nicotiana benthamiana</i> seedlings' response to salt stress. <i>Physiologia Plantarum</i> , 2016 , 156, 150-163	4.6	34
206	Air pollutant emissions from Chinese households: A major and underappreciated ambient pollution source. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 7756-61 ^{11.5}		292

205	Design and characterization of human exposure to generated sulfate and soot particles in a pilot chamber study. <i>Journal of the Air and Waste Management Association</i> , 2016 , 66, 366-76	2.4	6
204	SO2 Uptake on Oleic Acid: A New Formation Pathway of Organosulfur Compounds in the Atmosphere. <i>Environmental Science and Technology Letters</i> , 2016 , 3, 67-72	11	40
203	"What We Breathe Impacts Our Health: Improving Understanding of the Link between Air Pollution and Health". <i>Environmental Science & Technology</i> , 2016 , 50, 4895-904	10.3	229
202	Chronic exposure to air pollution particles increases the risk of obesity and metabolic syndrome: findings from a natural experiment in Beijing. <i>FASEB Journal</i> , 2016 , 30, 2115-22	0.9	137
201	Urinary Metabolites of Polycyclic Aromatic Hydrocarbons and the Association with Lipid Peroxidation: A Biomarker-Based Study between Los Angeles and Beijing. <i>Environmental Science & Technology</i> , 2016 , 50, 3738-45	10.3	38
200	Modeled deposition of fine particles in human airway in Beijing, China. <i>Atmospheric Environment</i> , 2016 , 124, 387-395	5.3	24
199	Highly Efficient Photoelectrocatalytic Reduction of Hexavalent Chromium based on the Cascade Energy Transfer towards Using no Semiconducting Photocatalysts. <i>Electrochimica Acta</i> , 2016 , 188, 752-756	6.7	8
198	Measuring the morphology and density of internally mixed black carbon with SP2 and VTDMA: new insight into the absorption enhancement of black carbon in the atmosphere. <i>Atmospheric Measurement Techniques</i> , 2016 , 9, 1833-1843	4	55
197	Distribution and Sources of Air pollutants in the North China Plain Based on On-Road Mobile Measurements 2016 ,		1
196	A novel approach for apportionment between primary and secondary sources of airborne nitrated polycyclic aromatic hydrocarbons (NPAHs). <i>Atmospheric Environment</i> , 2016 , 138, 108-113	5.3	9
195	Transport solutions for cleaner air. <i>Science</i> , 2016 , 352, 934-6	33.3	72
194	Enhanced haze pollution by black carbon in megacities in China. <i>Geophysical Research Letters</i> , 2016 , 43, 2873-2879	4.9	399
193	Comparison of lung damage in mice exposed to black carbon particles and ozone-oxidized black carbon particles. <i>Science of the Total Environment</i> , 2016 , 573, 303-312	10.2	21
192	Heterogeneous oxidation of SO2 by O3-aged black carbon and its dithiothreitol oxidative potential. <i>Journal of Environmental Sciences</i> , 2015 , 36, 56-62	6.4	19
191	Commuter exposure to particulate matter and particle-bound PAHs in three transportation modes in Beijing, China. <i>Environmental Pollution</i> , 2015 , 204, 199-206	9.3	57
190	Association between changes in exposure to air pollution and biomarkers of oxidative stress in children before and during the Beijing Olympics. <i>American Journal of Epidemiology</i> , 2015 , 181, 575-83	3.8	38
189	Direct Radiative Effect by Multicomponent Aerosol over China*. <i>Journal of Climate</i> , 2015 , 28, 3472-3495	4.4	54
188	Role of secondary aerosols in haze formation in summer in the Megacity Beijing. <i>Journal of Environmental Sciences</i> , 2015 , 31, 51-60	6.4	55

187	Aldehydes in Relation to Air Pollution Sources: A Case Study around the Beijing Olympics. <i>Atmospheric Environment</i> , 2015 , 109, 61-69	5.3	24
186	Physicochemical characteristics, oxidative capacities and cytotoxicities of sulfate-coated, 1,4-NQ-coated and ozone-aged black carbon particles. <i>Atmospheric Research</i> , 2015 , 153, 535-542	5.4	21
185	Impact of pollution controls in Beijing on atmospheric oxygenated volatile organic compounds (OVOCs) during the 2008 Olympic Games: observation and modeling implications. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 3045-3062	6.8	48
184	Dicarboxylic acids, ketocarboxylic acids, dicarbonyls, fatty acids and benzoic acid in PM _{2.5} ; aerosol collected during CAREBeijing-2007: an effect of traffic restriction on air quality. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 3111-3123	6.8	52
183	Evaluating the climate and air quality impacts of short-lived pollutants. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 10529-10566	6.8	261
182	Ethylene is Involved in Brassinosteroids Induced Alternative Respiratory Pathway in Cucumber (<i>Cucumis sativus</i> L.) Seedlings Response to Abiotic Stress. <i>Frontiers in Plant Science</i> , 2015 , 6, 982	6.2	65
181	Levels, spatial distribution, and exposure risks of decabromodiphenylethane in soils of North China. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 13319-27	5.1	10
180	Size-fractioned ultrafine particles and black carbon associated with autonomic dysfunction in subjects with diabetes or impaired glucose tolerance in Shanghai, China. <i>Particle and Fibre Toxicology</i> , 2015 , 12, 8	8.4	31
179	Urinary polycyclic aromatic hydrocarbon metabolites as biomarkers of exposure to traffic-emitted pollutants. <i>Environment International</i> , 2015 , 85, 104-10	12.9	15
178	Estimating ammonia emissions from a winter wheat cropland in North China Plain with field experiments and inverse dispersion modeling. <i>Atmospheric Environment</i> , 2015 , 104, 1-10	5.3	23
177	Enhanced formation of fine particulate nitrate at a rural site on the North China Plain in summer: The important roles of ammonia and ozone. <i>Atmospheric Environment</i> , 2015 , 101, 294-302	5.3	85
176	Characterization of Ultrafine Particles and Other Traffic Related Pollutants near Roadways in Beijing. <i>Aerosol and Air Quality Research</i> , 2015 , 15, 1261-1269	4.6	6
175	Comparisons of ultrafine and fine particles in their associations with biomarkers reflecting physiological pathways. <i>Environmental Science & Technology</i> , 2014 , 48, 5264-73	10.3	79
174	The use of vacuum ultraviolet irradiation to oxidize SO ₂ and NO _x for simultaneous desulfurization and denitrification. <i>Journal of Hazardous Materials</i> , 2014 , 271, 89-97	12.8	48
173	Sensitivity of predicted pollutant levels to anthropogenic heat emissions in Beijing. <i>Atmospheric Environment</i> , 2014 , 89, 169-178	5.3	23
172	Maximum efficiency in the hydroxyl-radical-based self-cleansing of the troposphere. <i>Nature Geoscience</i> , 2014 , 7, 559-563	18.3	95
171	Formation of nitroanthracene and anthraquinone from the heterogeneous reaction between NO ₂ and anthracene adsorbed on NaCl particles. <i>Environmental Science & Technology</i> , 2014 , 48, 8671-8	10.3	22
170	Airborne endotoxin in fine particulate matter in Beijing. <i>Atmospheric Environment</i> , 2014 , 97, 35-42	5.3	30

169	Daytime HONO formation in the suburban area of the megacity Beijing, China. <i>Science China Chemistry</i> , 2014 , 57, 1032-1042	7.9	45
168	Inference of emission rate using the inverse-dispersion method for the multi-source problem. <i>Agricultural and Forest Meteorology</i> , 2014 , 191, 12-21	5.8	5
167	Photocatalytic degradation of bisphenol A using Ti-substituted hydroxyapatite. <i>Chinese Journal of Catalysis</i> , 2014 , 35, 90-98	11.3	20
166	Pathways of sulfate enhancement by natural and anthropogenic mineral aerosols in China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 14,165-14,179	4.4	92
165	Improving mesoscale modeling using satellite-derived land surface parameters in the Pearl River Delta region, China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 6325-6346	4.4	37
164	Airborne measurements of gas and particle pollutants during CAREBeijing-2008. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 301-316	6.8	19
163	Nighttime observation and chemistry of HO ₂ in the Pearl River Delta and Beijing in summer 2006. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 4979-4999	6.8	34
162	The cardiopulmonary effects of ambient air pollution and mechanistic pathways: a comparative hierarchical pathway analysis. <i>PLoS ONE</i> , 2014 , 9, e114913	3.7	26
161	Measurements of particle number size distributions and optical properties in urban Shanghai during 2010 World Expo: relation to air mass history. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2014 , 66, 22319	3.3	7
160	Evidence of aerosols as a media for rapid daytime HONO production over China. <i>Environmental Science & Technology</i> , 2014 , 48, 14386-91	10.3	60
159	Genotoxic effects and serum abnormalities in residents of regions proximal to e-waste disposal facilities in Jinghai, China. <i>Ecotoxicology and Environmental Safety</i> , 2014 , 105, 51-8	7	10
158	Gridded field observations of polybrominated diphenyl ethers in soils of North China. <i>Archives of Environmental Contamination and Toxicology</i> , 2014 , 66, 482-90	3.2	10
157	Characteristics of Aerosol Optical Properties and Their Chemical Apportionments during CAREBeijing 2006. <i>Aerosol and Air Quality Research</i> , 2014 , 14, 1431-1442	4.6	25
156	Visible-light photoelectrocatalytic degradation of rhodamine B over planar devices using a multi-walled carbon Nanotube-TiO ₂ composite. <i>Materials Science in Semiconductor Processing</i> , 2013 , 16, 480-484	4.3	12
155	Changes of plasma vWF level in response to the improvement of air quality: an observation of 114 healthy young adults. <i>Annals of Hematology</i> , 2013 , 92, 543-8	3	7
154	The improved photoelectrocatalytic degradation of rhodamine B driven by the half-rectified square wave. <i>Electrochimica Acta</i> , 2013 , 102, 375-380	6.7	6
153	Exposure to typical persistent organic pollutants from an electronic waste recycling site in Northern China. <i>Chemosphere</i> , 2013 , 91, 205-11	8.4	56
152	Systematic review of Chinese studies of short-term exposure to air pollution and daily mortality. <i>Environment International</i> , 2013 , 54, 100-11	12.9	329

151	Generation of reactive oxygen species in simulated flue gas under vacuum ultraviolet radiation. <i>Chemical Engineering Journal</i> , 2013 , 232, 26-33	14.7	19
150	Physicochemical characteristics and toxic effects of ozone-oxidized black carbon particles. <i>Atmospheric Environment</i> , 2013 , 81, 68-75	5.3	66
149	Malondialdehyde in exhaled breath condensate and urine as a biomarker of air pollution induced oxidative stress. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2013 , 23, 322-7	6.7	63
148	Megacities and large urban agglomerations in the coastal zone: interactions between atmosphere, land, and marine ecosystems. <i>Ambio</i> , 2013 , 42, 13-28	6.5	85
147	Reduced in vitro toxicity of fine particulate matter collected during the 2008 Summer Olympic Games in Beijing: the roles of chemical and biological components. <i>Toxicology in Vitro</i> , 2013 , 27, 2084-93 ^{3.6}		31
146	Spatial distribution of polychlorinated naphthalenes in the atmosphere across North China based on gridded field observations. <i>Environmental Pollution</i> , 2013 , 180, 27-33	9.3	21
145	Occurrence of atmospheric nitrous acid in the urban area of Beijing (China). <i>Science of the Total Environment</i> , 2013 , 447, 210-24	10.2	65
144	Polybromobenzene pollutants in the atmosphere of North China: levels, distribution, and sources. <i>Environmental Science & Technology</i> , 2013 , 47, 12761-7	10.3	31
143	Gridded field observations of polybrominated diphenyl ethers and decabromodiphenyl ethane in the atmosphere of north China. <i>Environmental Science & Technology</i> , 2013 , 47, 8123-9	10.3	14
142	Reactive oxygen species alteration of immune cells in local residents at an electronic waste recycling site in northern China. <i>Environmental Science & Technology</i> , 2013 , 47, 3344-52	10.3	27
141	Missing OH source in a suburban environment near Beijing: observed and modelled OH and HO ₂ concentrations in summer 2006. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 1057-1080	6.8	148
140	Cardiorespiratory biomarker responses in healthy young adults to drastic air quality changes surrounding the 2008 Beijing Olympics. <i>Research Report (health Effects Institute)</i> , 2013 , 5-174	0.9	52
139	NO _x in Chinese Megacities. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2013 , 249-263	0.3	3
138	Hydroxyl radical generation mechanism during the redox cycling process of 1,4-naphthoquinone. <i>Environmental Science & Technology</i> , 2012 , 46, 2935-42	10.3	50
137	Kinetic study of gas-phase reactions of OH and NO ₃ radicals and O ₃ with iso-butyl and tert-butyl vinyl ethers. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 8885-92	2.8	8
136	Interactive enhancements of ascorbic acid and iron in hydroxyl radical generation in quinone redox cycling. <i>Environmental Science & Technology</i> , 2012 , 46, 10302-9	10.3	49
135	Sensitivity of predicted pollutant levels to urbanization in China. <i>Atmospheric Environment</i> , 2012 , 60, 544-554	5.3	43
134	Using placenta to evaluate the polychlorinated biphenyls (PCBs) and polybrominated diphenyl ethers (PBDEs) exposure of fetus in a region with high prevalence of neural tube defects. <i>Ecotoxicology and Environmental Safety</i> , 2012 , 86, 141-6	7	21

133	Heterogeneous reaction of NO ₂ on the surface of montmorillonite particles. <i>Journal of Environmental Sciences</i> , 2012 , 24, 1753-8	6.4	13
132	A high-resolution ammonia emission inventory in China. <i>Global Biogeochemical Cycles</i> , 2012 , 26, n/a-n/a	5.9	319
131	Atmospheric fluxes of organic N and P to the global ocean. <i>Global Biogeochemical Cycles</i> , 2012 , 26,	5.9	152
130	Rapid inactivation of biological species in the air using atmospheric pressure nonthermal plasma. <i>Environmental Science & Technology</i> , 2012 , 46, 3360-8	10.3	71
129	Rapid flu diagnosis using silicon nanowire sensor. <i>Nano Letters</i> , 2012 , 12, 3722-30	11.5	114
128	State of polybrominated diphenyl ethers in China: an overview. <i>Chemosphere</i> , 2012 , 88, 769-78	8.4	101
127	Estimated acute effects of ambient ozone and nitrogen dioxide on mortality in the Pearl River Delta of southern China. <i>Environmental Health Perspectives</i> , 2012 , 120, 393-8	8.4	129
126	Association between changes in air pollution levels during the Beijing Olympics and biomarkers of inflammation and thrombosis in healthy young adults. <i>JAMA - Journal of the American Medical Association</i> , 2012 , 307, 2068-78	27.4	265
125	Harvest season, high polluted season in East China. <i>Environmental Research Letters</i> , 2012 , 7, 044033	6.2	37
124	Inflammatory and oxidative stress responses of healthy young adults to changes in air quality during the Beijing Olympics. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012 , 186, 1150-9	10.2	163
123	Air pollution and autonomic and vascular dysfunction in patients with cardiovascular disease: interactions of systemic inflammation, overweight, and gender. <i>American Journal of Epidemiology</i> , 2012 , 176, 117-26	3.8	86
122	Seasonal variation of chemical species associated with short-term mortality effects of PM(2.5) in Xi'an, a Central City in China. <i>American Journal of Epidemiology</i> , 2012 , 175, 556-66	3.8	174
121	Size-resolved measurement of the mixing state of soot in the megacity Beijing, China: diurnal cycle, aging and parameterization. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 4477-4491	6.8	60
120	The impact of circulation patterns on regional transport pathways and air quality over Beijing and its surroundings. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 5031-5053	6.8	167
119	Summertime photochemistry during CAREBeijing-2007: RO ₂ budgets and O ₃ formation. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 7737-7752	6.8	123
118	Highly time-resolved chemical characterization of atmospheric fine particles during 2010 Shanghai World Expo. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 4897-4907	6.8	117
117	Impacts of atmospheric nutrient deposition on marine productivity: Roles of nitrogen, phosphorus, and iron. <i>Global Biogeochemical Cycles</i> , 2011 , 25, n/a-n/a	5.9	148
116	Impacts of anthropogenic SO _x , NO _x and NH ₃ on acidification of coastal waters and shipping lanes. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	37

115	Chemical characteristics of inorganic ammonium salts in PM _{2.5} in the atmosphere of Beijing (China). <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 10803-10822	6.8	154
114	Cloud condensation nuclei (CCN) from fresh and aged air pollution in the megacity region of Beijing. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 11023-11039	6.8	115
113	Using a mobile laboratory to characterize the distribution and transport of sulfur dioxide in and around Beijing. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 11631-11645	6.8	26
112	Measurements of gaseous H ₂ SO ₄ by AP-ID-CIMS during CAREBeijing 2008 Campaign. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 7755-7765	6.8	50
111	Photochemical production of ozone in Beijing during the 2008 Olympic Games. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 9825-9837	6.8	46
110	NO _x Release from Snow and Ice Covered Surface in Polar Regions and the Tibetan Plateau. <i>Advances in Climate Change Research</i> , 2011 , 2, 141-148	4.1	3
109	Development of an Automated Electrostatic Sampler (AES) for Bioaerosol Detection. <i>Aerosol Science and Technology</i> , 2011 , 45, 1154-1160	3.4	46
108	Acute mortality effects of carbon monoxide in the Pearl River Delta of China. <i>Science of the Total Environment</i> , 2011 , 410-411, 34-40	10.2	25
107	Heterogeneous reaction of formaldehyde on the surface of Al ₂ O ₃ particles. <i>Atmospheric Environment</i> , 2011 , 45, 3569-3575	5.3	30
106	Heterogeneous reactions of SO ₂ on ZnO particle surfaces. <i>Science China Chemistry</i> , 2011 , 54, 161-166	7.9	14
105	Photocatalytic degradation of rhodamine B by dye-sensitized TiO ₂ under visible-light irradiation. <i>Science China Chemistry</i> , 2011 , 54, 167-172	7.9	28
104	The roles of heterogeneous chemical processes in the formation of an air pollution complex and gray haze. <i>Science China Chemistry</i> , 2011 , 54, 145-153	7.9	64
103	Raman micro-spectrometry as a technique for investigating heterogeneous reactions on individual atmospheric particles. <i>Science China Chemistry</i> , 2011 , 54, 154-160	7.9	9
102	Integrating silicon nanowire field effect transistor, microfluidics and air sampling techniques for real-time monitoring biological aerosols. <i>Environmental Science & Technology</i> , 2011 , 45, 7473-80	10.3	59
101	The promoted photoelectrocatalytic degradation of rhodamine B over TiO ₂ thin film under the half-wave pulsed direct current. <i>Applied Catalysis B: Environmental</i> , 2011 , 102, 464-469	21.8	20
100	The CO ₂ Reduction Effects and Climate Benefit of Beijing 2008 Summer Olympics Green Practice. <i>Energy Procedia</i> , 2011 , 5, 280-296	2.3	13
99	Controlling Mercury Emission for China's Coal Fired Electricity Plants: an Economic Analysis. <i>Energy Procedia</i> , 2011 , 5, 1439-1454	2.3	12
98	Efficient photoelectrocatalytic reduction of Cr(VI) using TiO ₂ nanotube arrays as the photoanode and a large-area titanium mesh as the photocathode. <i>Journal of Molecular Catalysis A</i> , 2011 , 335, 242-247		31

97	Association of selected persistent organic pollutants in the placenta with the risk of neural tube defects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 12770-5	11.5	200
96	Acute respiratory inflammation in children and black carbon in ambient air before and during the 2008 Beijing Olympics. <i>Environmental Health Perspectives</i> , 2011 , 119, 1507-12	8.4	148
95	Measurement of inflammation and oxidative stress following drastic changes in air pollution during the Beijing Olympics: a panel study approach. <i>Annals of the New York Academy of Sciences</i> , 2010 , 1203, 160-7	6.5	40
94	Occurrence of gas phase ammonia in the area of Beijing (China). <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 9487-9503	6.8	125
93	Oxidant (O ₃ + NO ₂) production processes and formation regimes in Beijing. <i>Journal of Geophysical Research</i> , 2010 , 115,		53
92	Dicarboxylic acids, ketocarboxylic acids, dicarbonyls, fatty acids, and benzoic acid in urban aerosols collected during the 2006 Campaign of Air Quality Research in Beijing (CAREBeijing-2006). <i>Journal of Geophysical Research</i> , 2010 , 115,		77
91	Measurement of atmospheric hydrogen peroxide and organic peroxides in Beijing before and during the 2008 Olympic Games: Chemical and physical factors influencing their concentrations. <i>Journal of Geophysical Research</i> , 2010 , 115,		54
90	Spatial and temporal variations of aerosols around Beijing in summer 2006: 2. Local and column aerosol optical properties. <i>Journal of Geophysical Research</i> , 2010 , 115,		16
89	Correction to Oxidant (O ₃ +NO ₂) production processes and formation regimes in Beijing. <i>Journal of Geophysical Research</i> , 2010 , 115,		8
88	Environmental health in China: progress towards clean air and safe water. <i>Lancet, The</i> , 2010 , 375, 1110-940		301
87	Kinetics and mechanisms of heterogeneous reaction of NO ₂ on CaCO ₃ surfaces under dry and wet conditions. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 463-474	6.8	63
86	Evidence of reactive aromatics as a major source of peroxy acetyl nitrate over China. <i>Environmental Science & Technology</i> , 2010 , 44, 7017-22	10.3	69
85	Highly time-resolved chemical characterization of atmospheric submicron particles during 2008 Beijing Olympic Games using an Aerodyne High-Resolution Aerosol Mass Spectrometer. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 8933-8945	6.8	269
84	The roles of sulfuric acid in new particle formation and growth in the mega-city of Beijing. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 4953-4960	6.8	158
83	Novel method of generation of Ca(HCO ₃) ₂ and CaCO ₃ aerosols and first determination of hygroscopic and cloud condensation nuclei activation properties. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 8601-8616	6.8	16
82	Heterogeneous reactions of gaseous methanesulfonic acid with calcium carbonate and kaolinite particles. <i>Science China Chemistry</i> , 2010 , 53, 2657-2662	7.9	11
81	Heterogeneous reaction of formaldehyde on the surface of TiO ₂ particles. <i>Science China Chemistry</i> , 2010 , 53, 2644-2651	7.9	28
80	Heterogeneous reaction of NO ₂ with sea salt particles. <i>Science China Chemistry</i> , 2010 , 53, 2652-2656	7.9	10

79	Heterogeneous reaction of SO ₂ on TiO ₂ particles. <i>Science China Chemistry</i> , 2010 , 53, 2637-2643	7.9	34
78	Intracellular influx of calcium induced by quartz particles in alveolar macrophages. <i>Toxicology and Applied Pharmacology</i> , 2010 , 242, 173-81	4.6	6
77	Sensitivity of ozone to precursor emissions in urban Beijing with a Monte Carlo scheme. <i>Atmospheric Environment</i> , 2010 , 44, 3833-3842	5.3	55
76	Polybrominated diphenyl ethers (PBDEs) and other flame retardants in the atmosphere and water from Taihu Lake, East China. <i>Chemosphere</i> , 2010 , 80, 1207-12	8.4	123
75	Using the o,p'-DDT/p,p'-DDT ratio to identify DDT sources in China. <i>Chemosphere</i> , 2010 , 81, 1033-8	8.4	61
74	Application of femtosecond laser mass spectrometry to the analysis of volatile organic compounds. <i>Journal of the American Society for Mass Spectrometry</i> , 2010 , 21, 1122-8	3.5	5
73	Electric-agitation-enhanced photodegradation of rhodamine B over planar photoelectrocatalytic devices using a TiO ₂ nanosized layer. <i>Applied Catalysis B: Environmental</i> , 2010 , 96, 185-189	21.8	23
72	Performance of an Aerodyne Aerosol Mass Spectrometer (AMS) during Intensive Campaigns in China in the Summer of 2006. <i>Aerosol Science and Technology</i> , 2009 , 43, 189-204	3.4	51
71	Climate change. Clean air for megacities. <i>Science</i> , 2009 , 326, 674-5	33.3	175
70	Effects of vegetative heterogeneity and patch-scale harvest on energy balance closure and flux measurements. <i>Theoretical and Applied Climatology</i> , 2009 , 96, 281-290	3	3
69	Flux-Variance Method for Latent Heat and Carbon Dioxide Fluxes in Unstable Conditions. <i>Boundary-Layer Meteorology</i> , 2009 , 131, 363-384	3.4	21
68	Investigation on the photophysical processes in nanosized photocatalytic thin films using planar solid-state devices. <i>Research on Chemical Intermediates</i> , 2009 , 35, 667-673	2.8	1
67	Heterogeneous reactions of gaseous methanesulfonic acid with NaCl and sea salt particles. <i>Science in China Series B: Chemistry</i> , 2009 , 52, 93-100		9
66	Size-dependent hydroxyl radicals generation induced by SiO ₂ ultra-fine particles: The role of surface iron. <i>Science in China Series B: Chemistry</i> , 2009 , 52, 1033-1041		20
65	Spatial and temporal variations in NO ₂ distributions over Beijing, China measured by imaging differential optical absorption spectroscopy. <i>Journal of Environmental Management</i> , 2009 , 90, 1814-23	7.9	17
64	Enantiomeric signatures of organochlorine pesticides in Asian, trans-Pacific, and western U.S. air masses. <i>Environmental Science & Technology</i> , 2009 , 43, 2806-11	10.3	25
63	Rate coefficients for the gas-phase reactions of OH and NO ₃ radicals and O ₃ with ethyleneglycol monovinyl ether, ethyleneglycol divinyl ether, and diethyleneglycol divinyl ether. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 858-65	2.8	14
62	Onsite infectious agents and toxins monitoring in 12 May Sichuan earthquake affected areas. <i>Journal of Environmental Monitoring</i> , 2009 , 11, 1993-2001		9

61	Measurement of NO _y during Campaign of Air Quality Research in Beijing 2006 (CAREBeijing-2006): Implications for the ozone production efficiency of NO _x . <i>Journal of Geophysical Research</i> , 2009 , 114,	50
60	Aerosol optical properties observed during Campaign of Air Quality Research in Beijing 2006 (CAREBeijing-2006): Characteristic differences between the inflow and outflow of Beijing city air. <i>Journal of Geophysical Research</i> , 2009 , 114,	83
59	Research on the hygroscopic properties of aerosols by measurement and modeling during CAREBeijing-2006. <i>Journal of Geophysical Research</i> , 2009 , 114,	71
58	Variability of submicron aerosol observed at a rural site in Beijing in the summer of 2006. <i>Journal of Geophysical Research</i> , 2009 , 114,	68
57	Influence of soot mixing state on aerosol light absorption and single scattering albedo during air mass aging at a polluted regional site in northeastern China. <i>Journal of Geophysical Research</i> , 2009 , 114,	86
56	Rapid aerosol particle growth and increase of cloud condensation nucleus activity by secondary aerosol formation and condensation: A case study for regional air pollution in northeastern China. <i>Journal of Geophysical Research</i> , 2009 , 114,	153
55	Spatial and temporal variations of aerosols around Beijing in summer 2006: Model evaluation and source apportionment. <i>Journal of Geophysical Research</i> , 2009 , 114,	77
54	Hygroscopic growth of tropospheric particle number size distributions over the North China Plain. <i>Journal of Geophysical Research</i> , 2009 , 114,	25
53	Mixing state of nonvolatile aerosol particle fractions and comparison with light absorption in the polluted Beijing region. <i>Journal of Geophysical Research</i> , 2009 , 114,	35
52	Source analysis of volatile organic compounds by positive matrix factorization in urban and rural environments in Beijing. <i>Journal of Geophysical Research</i> , 2009 , 114,	60
51	Use of a mobile laboratory to evaluate changes in on-road air pollutants during the Beijing 2008 Summer Olympics. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 8247-8263	6.8 137
50	Air Pollution Characteristics Before, During, and After the Beijing Olympics. <i>Epidemiology</i> , 2009 , 20, S250-1	3
49	Photolysis of surface O ₃ and production potential of OH radicals in the atmosphere over the Tibetan Plateau. <i>Journal of Geophysical Research</i> , 2008 , 113,	18
48	Distribution and cycling of dimethylsulfide (DMS) and dimethylsulfoniopropionate (DMSP) in the sea-surface microlayer of the Yellow Sea, China, in spring. <i>Continental Shelf Research</i> , 2008 , 28, 2417-2427	50
47	Atmospheric chemistry of acetylacetone. <i>Environmental Science & Technology</i> , 2008 , 42, 7905-10	10.3 27
46	Air-water gas exchange of organochlorine pesticides in Taihu Lake, China. <i>Environmental Science & Technology</i> , 2008 , 42, 1928-32	10.3 52
45	Investigation of the hygroscopic properties of Ca(NO ₃) ₂ and internally mixed Ca(NO ₃) ₂ /CaCO ₃ particles by micro-Raman spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2008 , 8, 7205-7215	6.8 65
44	Exploratory Studies On Secondary Organic Aerosol Formation In The Ozonolysis Of Alkyl Vinyl Ethers. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2008 , 523-531	0.3 1

43	Glacier winds in the Rongbuk Valley, north of Mount Everest: 1. Meteorological modeling with remote sensing data. <i>Journal of Geophysical Research</i> , 2007 , 112,		18
42	Glacier winds in the Rongbuk Valley, north of Mount Everest: 2. Their role in vertical exchange processes. <i>Journal of Geophysical Research</i> , 2007 , 112,		20
41	Marine aerosol size distributions in the springtime over China adjacent seas. <i>Atmospheric Environment</i> , 2007 , 41, 6784-6796	5:3	32
40	Heterogeneous oxidation of sulfur dioxide by ozone on the surface of sodium chloride and its mixtures with other components. <i>Journal of Geophysical Research</i> , 2007 , 112,		36
39	Characteristics of mass distributions of aerosol particle and its inorganic water-soluble ions in summer over a suburb farmland in Beijing. <i>Frontiers of Environmental Science and Engineering in China</i> , 2007 , 1, 159-165		3
38	Organochlorine pesticides in fresh-fallen snow on East Rongbuk Glacier of Mt. Qomolangma (Everest). <i>Science in China Series D: Earth Sciences</i> , 2007 , 50, 1097-1102		21
37	A modeling analysis of a heavy air pollution episode occurred in Beijing. <i>Atmospheric Chemistry and Physics</i> , 2007 , 7, 3103-3114	6.8	111
36	An overview of snow photochemistry: evidence, mechanisms and impacts. <i>Atmospheric Chemistry and Physics</i> , 2007 , 7, 4329-4373	6.8	459
35	Chapter 3 Organochlorine Pesticides in China. <i>Developments in Environmental Science</i> , 2007 , 7, 159-211		11
34	Solid-state, planar photoelectrocatalytic devices using a nanosized TiO ₂ layer. <i>Environmental Science & Technology</i> , 2007 , 41, 7876-80	10.3	30
33	Heterogeneous reaction of NO ₂ on the surface of NaCl particles. <i>Science in China Series B: Chemistry</i> , 2006 , 49, 371-378		11
32	Hydroxyl radicals induced by quartz particles in lung alveolar macrophages: the role of surface iron. <i>Progress in Natural Science: Materials International</i> , 2006 , 16, 1038-1044	3.6	3
31	Kinetic study of the gas-phase reactions of OH and NO ₃ radicals and O ₃ with selected vinyl ethers. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 7386-92	2.8	45
30	Product study of the OH, NO ₃ , and O ₃ initiated atmospheric photooxidation of propyl vinyl ether. <i>Environmental Science & Technology</i> , 2006 , 40, 5415-21	10.3	26
29	Observation of organochlorine pesticides in the air of the Mt. Everest region. <i>Ecotoxicology and Environmental Safety</i> , 2006 , 63, 33-41	7	74
28	Evaluating the fate of p,p'-DDT in Tianjin, China using a non-steady-state multimedia fugacity model. <i>Ecotoxicology and Environmental Safety</i> , 2006 , 63, 196-203	7	16
27	Kinetics and mechanism of heterogeneous oxidation of sulfur dioxide by ozone on surface of calcium carbonate. <i>Atmospheric Chemistry and Physics</i> , 2006 , 6, 2453-2464	6.8	113
26	Downward transport of ozone-rich air near Mt. Everest. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	34

25	Spatial-temporal distribution of dimethylsulfide in the subtropical Pearl River Estuary and adjacent waters. <i>Continental Shelf Research</i> , 2005 , 25, 1996-2007	2.4	11
24	Seawater, atmospheric dimethylsulfide and aerosol ions in the Pearl River Estuary and the adjacent northern South China Sea. <i>Journal of Sea Research</i> , 2005 , 53, 131-145	1.9	18
23	Contribution of dicofol to the current DDT pollution in China. <i>Environmental Science & Technology</i> , 2005 , 39, 4385-90	10.3	552
22	Gas-phase reaction of dichlorvos, carbaryl, chlordimeform, and 2,4-D butyl ester with OH radicals. <i>International Journal of Chemical Kinetics</i> , 2005 , 37, 755-762	1.4	20
21	Organochlorine pesticides in the air around the Taihu Lake, China. <i>Environmental Science & Technology</i> , 2004 , 38, 1368-74	10.3	283
20	Heterogeneous reactions on the surface of fine particles in the atmosphere. <i>Science Bulletin</i> , 2003 , 48, 2267		22
19	Estimates of methane emissions in Beijing using a backward trajectory inversion model. <i>Chemical Speciation and Bioavailability</i> , 2002 , 14, 43-48		3
18	Relaxed Eddy-Accumulation Technique for Measuring Ammonia Volatilization. <i>Environmental Science & Technology</i> , 2000 , 34, 199-203	10.3	46
17	Aircraft-based volatile organic compounds flux measurements with relaxed eddy accumulation. <i>Atmospheric Environment</i> , 1999 , 33, 1969-1979	5.3	20
16	Measurement of Isoprene Emissions over a Black Spruce Stand Using a Tower-Based Relaxed Eddy-Accumulation System*. <i>Journal of Applied Meteorology and Climatology</i> , 1999 , 38, 870-877		22
15	Aircraft Measurements of the Concentration and Flux of Agrochemicals. <i>Environmental Science & Technology</i> , 1998 , 32, 1032-1038	10.3	13
14	Field comparison of polyurethane foam plugs and mini-tubes containing Tenax-TA resin as trapping media for the aerodynamic gradient measurement of trifluralin vapour fluxes. <i>Journal of Chromatography A</i> , 1995 , 710, 251-257	4.5	9
13	Herbicides volatilization measured by the relaxed eddy-accumulation technique using two trapping media. <i>Agricultural and Forest Meteorology</i> , 1995 , 76, 201-220	5.8	35
12	FTIR Study of the Cl + C ₂ H ₂ Reaction: Formation of cis- and trans-CHCl:CH Radicals. <i>The Journal of Physical Chemistry</i> , 1994 , 98, 5065-5067		5
11	Evidence for the heterogeneous formation of nitrous acid from peroxyacetic acid in environmental chambers. <i>Environmental Science & Technology</i> , 1993 , 27, 982-983	10.3	17
10	Long-path Fourier-transform infrared spectroscopic study of the reactions of trifluoromethylperoxy and trifluoromethoxy radicals with nitrogen dioxide. <i>The Journal of Physical Chemistry</i> , 1993 , 97, 11696-11698		17
9	Long path FTIR spectroscopic study of the reactions of trifluoromethoxy radicals with alkenes. <i>The Journal of Physical Chemistry</i> , 1993 , 97, 7174-7177		11
8	Near UV absorption spectra and photolysis products of difunctional organic nitrates: Possible importance as NO _x reservoirs. <i>Journal of Atmospheric Chemistry</i> , 1993 , 17, 353-373	3.2	77

7	FTIR spectroscopic study of the reaction of trifluoromethoxy radical with nitric oxide: evidence for CF ₃ O + NO → CF ₂ O + FNO. <i>The Journal of Physical Chemistry</i> , 1992 , 96, 6115-6117		44
6	Long path ftir spectroscopic study of the reactions of CF ₃ O radicals with ethane and propane. <i>Geophysical Research Letters</i> , 1992 , 19, 2215-2218	4.9	37
5	Relative-rate study of the gas-phase reaction of hydroxy radicals with difunctional organic nitrates at 298 K and atmospheric pressure. <i>Journal of Atmospheric Chemistry</i> , 1991 , 13, 301-311	3.2	17
4	Kinetics and products of the reactions of nitrate radical with monoalkenes, dialkenes, and monoterpenes. <i>The Journal of Physical Chemistry</i> , 1990 , 94, 2413-2419		136
3	Rate constants for the reactions of Br atoms with a series of alkanes, alkenes, and alkynes in the presence of O ₂ . <i>International Journal of Chemical Kinetics</i> , 1989 , 21, 499-517	1.4	75
2	Effects of AIR pollution on cardiopulmonary disEaSe in urban and peri-urban reSidents in Beijing: protocol for the AIRLESS study		3
1	Supplementary material to "Mixing State of Refractory Black Carbon of the North China Plain Regional Aerosol Combining a Single Particle Soot Photometer and a Volatility Tandem Differential Mobility Analyzer"		2