

# Jianmin Chen

## List of Publications by Year in Descending Order

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

508  
papers

18,801  
citations

68  
h-index

109  
g-index

637  
ext. papers

22,713  
ext. citations

7.5  
avg, IF

7  
L-index

#	Paper	IF	Citations
508	Significant impactor sampling artifacts of ammonium, nitrate, and organic acids. <i>Atmospheric Environment</i> , <b>2022</b> , 274, 118985	5.3	
507	Source apportionment of PM <sub>2.5</sub> during haze episodes in Shanghai by the PMF model with PAHs. <i>Journal of Cleaner Production</i> , <b>2022</b> , 330, 129850	10.3	4
506	An online technology for effectively monitoring inorganic condensable particulate matter emitted from industrial plants.. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 428, 128221	12.8	1
505	Application of smog chambers in atmospheric process studies.. <i>National Science Review</i> , <b>2022</b> , 9, nwab103	10.8	3
504	Atmospheric gaseous organic acids in winter in a rural site of the North China Plain.. <i>Journal of Environmental Sciences</i> , <b>2022</b> , 113, 190-203	6.4	0
503	Mechanistic toxicity assessment of fine particulate matter emitted from fuel combustion via pathway-based approaches in human cells. <i>Science of the Total Environment</i> , <b>2022</b> , 806, 150214	10.2	0
502	Photodissociation of particulate nitrate as a source of daytime tropospheric Cl.. <i>Nature Communications</i> , <b>2022</b> , 13, 939	17.4	2
501	Characterization of peroxyacetyl nitrate (PAN) under different PM concentration in wintertime at a North China rural site.. <i>Journal of Environmental Sciences</i> , <b>2022</b> , 114, 221-232	6.4	0
500	Atmospheric measurements at Mt. Tai Part I: HONO formation and its role in the oxidizing capacity of the upper boundary layer. <i>Atmospheric Chemistry and Physics</i> , <b>2022</b> , 22, 3149-3167	6.8	1
499	Characteristics of aerosol chemistry and acidity in Shanghai after PM satisfied national guideline: Insight into future emission control.. <i>Science of the Total Environment</i> , <b>2022</b> , 154319	10.2	0
498	pH modifies the oxidative potential and peroxide content of biomass burning HULIS under dark aging.. <i>Science of the Total Environment</i> , <b>2022</b> , 155365	10.2	1
497	Accurate observation of black and brown carbon in atmospheric fine particles via a versatile aerosol concentration enrichment system (VACES).. <i>Science of the Total Environment</i> , <b>2022</b> , 155817	10.2	
496	Overlooked Significant Impact of Trace Metals on the Bacterial Community of PM <sub>2.5</sub> in High-Time Resolution. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2021JD035408	4.4	0
495	Measurement report: Molecular characteristics of cloud water in southern China and insights into aqueous-phase processes from Fourier transform ion cyclotron resonance mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 16631-16644	6.8	0
494	Addressing Unresolved Complex Mixture of I/SVOCs Emitted From Incomplete Combustion of Solid Fuels by Nontarget Analysis. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2021JD035835	4.4	3
493	Secondary Inorganic Ions Characteristics in PM <sub>2.5</sub> Along Offshore and Coastal Areas of the Megacity Shanghai. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2021JD035139	4.4	2
492	Photochemical Aging of Atmospheric Fine Particles as a Potential Source for Gas-Phase Hydrogen Peroxide. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 15063-15071	10.3	2

491	Winter ClNO <sub>2</sub> formation in the region of fresh anthropogenic emissions: seasonal variability and insights into daytime peaks in northern China. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 15985-16000	6.8	2
490	An unexpected large continental source of reactive bromine and chlorine with significant impact on wintertime air quality. <i>National Science Review</i> , <b>2021</b> , 8, nwa304	10.8	10
489	Direct Observation of Sulfate Explosive Growth in Wet Plumes Emitted From Typical Coal-Fired Stationary Sources. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL092071	4.9	4
488	Magnetic Particles Unintentionally Emitted from Anthropogenic Sources: Iron and Steel Plants. <i>Environmental Science and Technology Letters</i> , <b>2021</b> , 8, 295-300	11	1
487	Chemical Fingerprinting of HULIS in Particulate Matters Emitted from Residential Coal and Biomass Combustion. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 3593-3603	10.3	13
486	Intermediate Volatile Organic Compound Emissions from Residential Solid Fuel Combustion Based on Field Measurements in Rural China. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 5689-5700	10.3	11
485	Characterizing Black Carbon and Gaseous Pollutants on the Yangtze River Across Eastern China Continent. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD033488	4.4	
484	Ice-Nucleating Particle Concentrations and Sources in Rainwater Over the Third Pole, Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD033864	4.4	
483	Spatially explicit analysis identifies significant potential for bioenergy with carbon capture and storage in China. <i>Nature Communications</i> , <b>2021</b> , 12, 3159	17.4	14
482	Molecular composition and optical property of humic-like substances (HULIS) in winter-time PM <sub>2.5</sub> in the rural area of North China Plain. <i>Atmospheric Environment</i> , <b>2021</b> , 252, 118316	5.3	7
481	Particle-Phase Photoreactions of HULIS and TMs Establish a Strong Source of HO and Particulate Sulfate in the Winter North China Plain. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 7818-7830	10.3	4
480	Extreme Exposure Levels of PCDD/Fs Inhaled from Biomass Burning Activity for Cooking in Typical Rural Households. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 7299-7306	10.3	6
479	Performance comparison of SMPSs with soft X-ray and Kr-85 neutralizers in a humid atmosphere. <i>Journal of Aerosol Science</i> , <b>2021</b> , 154, 105756	4.3	1
478	Modeled changes in source contributions of particulate matter during the COVID-19 pandemic in the Yangtze River Delta, China. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 7343-7355	6.8	8
477	Toxicity Assessment of Nano-ZnO Exposure on the Human Intestinal Microbiome, Metabolic Functions, and Resistome Using an In Vitro Colon Simulator. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 6884-6896	10.3	5
476	Substantial changes in gaseous pollutants and chemical compositions in fine particles in the North China Plain during the COVID-19 lockdown period: anthropogenic vs. meteorological influences. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 8677-8692	6.8	4
475	High Pressure Inside Nanometer-Sized Particles Influences the Rate and Products of Chemical Reactions. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 7786-7793	10.3	4
474	Atmospheric Nitrate Formation through Oxidation by Carbonate Radical. <i>ACS Earth and Space Chemistry</i> , <b>2021</b> , 5, 1801-1811	3.2	0

473	Characterization of a Kanomax <sup>®</sup> fast condensation particle counter in the sub-10 nm range. <i>Journal of Aerosol Science</i> , <b>2021</b> , 155, 105772	4.3	4
472	PM-Nitrite Heterogeneous Formation Demonstrated via a Modified Versatile Aerosol Concentration Enrichment System Coupled with Ion Chromatography. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 9794-9804	10.3	3
471	Size distributions of particle-generated hydroxyl radical (OH) in surrogate lung fluid (SLF) solution and their potential sources. <i>Environmental Pollution</i> , <b>2021</b> , 268, 115582	9.3	5
470	On-site analysis of COVID-19 on the surfaces in wards. <i>Science of the Total Environment</i> , <b>2021</b> , 753, 141758.2	5.2	12
469	Diverse bacterial populations of PM <sub>2.5</sub> in urban and suburb Shanghai, China. <i>Frontiers of Environmental Science and Engineering</i> , <b>2021</b> , 15, 1	5.8	5
468	Nitrous acid emission from open burning of major crop residues in mainland China. <i>Atmospheric Environment</i> , <b>2021</b> , 244, 117950	5.3	2
467	Increased new particle yields with largely decreased probability of survival to CCN size at the summit of Mt. Tai under reduced SO <sub>2</sub> emissions. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 1305-1323	6.8	2
466	Fuel Aromaticity Promotes Low-Temperature Nucleation Processes of Elemental Carbon from Biomass and Coal Combustion. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 2532-2540	10.3	4
465	A semicontinuous study on the ecotoxicity of atmospheric particles using a versatile aerosol concentration enrichment system (VACES): development and field characterization. <i>Atmospheric Measurement Techniques</i> , <b>2021</b> , 14, 1037-1045	4	3
464	Association of PM with Insulin Resistance Signaling Pathways on a Microfluidic Liver-Kidney Microphysiological System (LK-MPS) Device. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 9835-9844	7.8	0
463	Predicting the effect of confinement on the COVID-19 spread using machine learning enriched with satellite air pollution observations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	4
462	Atmospheric Hydrogen Peroxide (H <sub>2</sub> O <sub>2</sub> ) at the Foot and Summit of Mt. Tai: Variations, Sources and Sinks, and Implications for Ozone Formation Chemistry. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD033975	4.4	2
461	Measurement report: Biogenic volatile organic compound emission profiles of rapeseed leaf litter and its secondary organic aerosol formation potential. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 12613-12629	6.8	2
460	Commodity plastic burning as a source of inhaled toxic aerosols. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 416, 125820	12.8	8
459	Measurement report: Saccharide composition in atmospheric fine particulate matter during spring at the remote sites of southwest China and estimates of source contributions. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 12227-12241	6.8	1
458	-Phenylenediamine Antioxidants in PM: The Underestimated Urban Air Pollutants. <i>Environmental Science &amp; Technology</i> , <b>2021</b> ,	10.3	8
457	Halogens Enhance Haze Pollution in China. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 13625-13637	6.7	4
456	The roles of aqueous-phase chemistry and photochemical oxidation in oxygenated organic aerosols formation. <i>Atmospheric Environment</i> , <b>2021</b> , 266, 118738	5.3	1

455	Fine particle pH and its influencing factors during summer at Mt. Tai: Comparison between mountain and urban sites. <i>Atmospheric Environment</i> , <b>2021</b> , 261, 118607	5.3	0
454	Compositions, sources, and potential health risks of volatile organic compounds in the heavily polluted rural North China Plain during the heating season. <i>Science of the Total Environment</i> , <b>2021</b> , 789, 147956	10.2	7
453	The decay of airborne bacteria and fungi in a constant temperature and humidity test chamber. <i>Environment International</i> , <b>2021</b> , 157, 106816	12.9	3
452	Detection of gaseous dimethylamine using vocus proton-transfer-reaction time-of-flight mass spectrometry. <i>Atmospheric Environment</i> , <b>2020</b> , 243, 117875	5.3	7
451	Importance of Ammonia Gas-Particle Conversion Ratio in Haze Formation in the Rural Agricultural Environment <b>2020</b> ,		1
450	ROS-generation potential of Humic-like substances (HULIS) in ambient PM in urban Shanghai: Association with HULIS concentration and light absorbance. <i>Chemosphere</i> , <b>2020</b> , 256, 127050	8.4	10
449	Pollution levels, composition characteristics and sources of atmospheric PM in a rural area of the North China Plain during winter. <i>Journal of Environmental Sciences</i> , <b>2020</b> , 95, 172-182	6.4	10
448	Simultaneous determination of nine atmospheric amines and six inorganic ions by non-suppressed ion chromatography using acetonitrile and 18-crown-6 as eluent additive. <i>Journal of Chromatography A</i> , <b>2020</b> , 1624, 461234	4.5	5
447	Assessing the Effect of Reactive Oxygen Species and Volatile Organic Compound Profiles Coming from Certain Types of Chinese Cooking on the Toxicity of Human Bronchial Epithelial Cells. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 8868-8877	10.3	11
446	Marine organic matter in the remote environment of the Cape Verde islands: An introduction and overview to the MarParCloud campaign. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 6921-6951	6.8	14
445	Nocturnal PM <sub>2.5</sub> explosive growth dominates severe haze in the rural North China Plain. <i>Atmospheric Research</i> , <b>2020</b> , 242, 105020	5.4	13
444	Increasing surface ozone and enhanced secondary organic carbon formation at a city junction site: An epitome of the Yangtze River Delta, China (2014-2017). <i>Environmental Pollution</i> , <b>2020</b> , 265, 114847	9.3	7
443	The characteristics of atmospheric brown carbon in Xi'an, inland China: sources, size distributions and optical properties. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 2017-2030	6.8	22
442	Forward ultra-low emission for power plants via wet electrostatic precipitators and newly developed demisters: Filterable and condensable particulate matters. <i>Atmospheric Environment</i> , <b>2020</b> , 225, 117372	5.3	14
441	Significant impact of coal combustion on VOCs emissions in winter in a North China rural site. <i>Science of the Total Environment</i> , <b>2020</b> , 720, 137617	10.2	32
440	Online measurement of carbonaceous aerosols in suburban Shanghai during winter over a three-year period: Temporal variations, meteorological effects, and sources. <i>Atmospheric Environment</i> , <b>2020</b> , 226, 117408	5.3	8
439	Non-agricultural sources dominate the atmospheric NH in Xi'an, a megacity in the semi-arid region of China. <i>Science of the Total Environment</i> , <b>2020</b> , 722, 137756	10.2	29
438	Direct links between hygroscopicity and mixing state of ambient aerosols: estimating particle hygroscopicity from their single-particle mass spectra. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 6273-6290	6.8	6

437	Sources and health risks of PM-bound polychlorinated biphenyls (PCBs) and organochlorine pesticides (OCPs) in a North China rural area. <i>Journal of Environmental Sciences</i> , <b>2020</b> , 95, 240-247	6.4	6
436	Simulating the impacts of ship emissions on coastal air quality: Importance of a high-resolution emission inventory relative to cruise- and land-based observations. <i>Science of the Total Environment</i> , <b>2020</b> , 728, 138454	10.2	16
435	Complexation of Fe(III)/Catechols in atmospheric aqueous phase and the consequent cytotoxicity assessment in human bronchial epithelial cells (BEAS-2B). <i>Ecotoxicology and Environmental Safety</i> , <b>2020</b> , 202, 110898	7	2
434	Impact of quarantine measures on chemical compositions of PM during the COVID-19 epidemic in Shanghai, China. <i>Science of the Total Environment</i> , <b>2020</b> , 743, 140758	10.2	46
433	Size-resolved chemical composition analysis of ions produced by a commercial soft X-ray aerosol neutralizer. <i>Journal of Aerosol Science</i> , <b>2020</b> , 147, 105586	4.3	9
432	Atmospheric Photosensitization: A New Pathway for Sulfate Formation. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 3114-3120	10.3	35
431	Size-segregated characteristics of organic carbon (OC), elemental carbon (EC) and organic matter in particulate matter (PM) emitted from different types of ships in China. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 1549-1564	6.8	11
430	Nitrated phenols and the phenolic precursors in the atmosphere in urban Jinan, China. <i>Science of the Total Environment</i> , <b>2020</b> , 714, 136760	10.2	26
429	Effects of aerosol pollution on PM-associated bacteria in typical inland and coastal cities of northern China during the winter heating season. <i>Environmental Pollution</i> , <b>2020</b> , 262, 114188	9.3	33
428	Estimation of Secondary Organic Aerosol Formation During a Photochemical Smog Episode in Shanghai, China. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2019JD032033	4.4	10
427	Molecular Characterization of Organosulfates in Highly Polluted Atmosphere Using Ultra-High-Resolution Mass Spectrometry. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2019JD032253	4.4	13
426	The evolution of cloud and aerosol microphysics at the summit of Mt. Tai, China. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 13735-13751	6.8	4
425	Nitrate-dominated PM <sub>2.5</sub> and elevation of particle pH observed in urban Beijing during the winter of 2017. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 5019-5033	6.8	32
424	Importance of gas-particle partitioning of ammonia in haze formation in the rural agricultural environment. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 7259-7269	6.8	11
423	Oxygenated products formed from OH-initiated reactions of trimethylbenzene: autoxidation and accretion. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 9563-9579	6.8	11
422	Development of an automatic linear calibration method for high-resolution single-particle mass spectrometry: improved chemical species identification for atmospheric aerosols. <i>Atmospheric Measurement Techniques</i> , <b>2020</b> , 13, 4111-4121	4	1
421	Separation and quantification of imidazoles in atmospheric particles using LC-Orbitrap-MS. <i>Journal of Separation Science</i> , <b>2020</b> , 43, 577-589	3.4	5
420	Different formation mechanisms of PAH during wood and coal combustion under different temperatures. <i>Atmospheric Environment</i> , <b>2020</b> , 222, 117084	5.3	21

419	Enhanced aqueous-phase formation of secondary organic aerosols due to the regional biomass burning over North China Plain. <i>Environmental Pollution</i> , <b>2020</b> , 256, 113401	9.3	17
418	Satellite-Based Estimates of Wet Ammonium (NH <sub>4</sub> -N) Deposition Fluxes Across China during 2011-2016 Using a Space-Time Ensemble Model. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 13419-13428	10.3	18
417	Inorganic composition and occult deposition of frost collected under severe polluted area in winter in the North China Plain. <i>Science of the Total Environment</i> , <b>2020</b> , 722, 137911	10.2	2
416	Production Flux and Chemical Characteristics of Spray Aerosol Generated From Raindrop Impact on Seawater and Soil. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2019JD032052	4.4	0
415	Effects of cleaner ship fuels on air quality and implications for future policy: A case study of Chongming Ecological Island in China. <i>Journal of Cleaner Production</i> , <b>2020</b> , 267, 122088	10.3	12
414	Photochemical Oxidation of Water-Soluble Organic Carbon (WSOC) on Mineral Dust and Enhanced Organic Ammonium Formation. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 15631-15642	10.3	3
413	Daily CO Emission Reduction Indicates the Control of Activities to Contain COVID-19 in China. <i>Innovation(China)</i> , <b>2020</b> , 1, 100062	17.8	14
412	Chemical Characteristics and Brown Carbon Chromophores of Atmospheric Organic Aerosols Over the Yangtze River Channel: A Cruise Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2020JD032497	4.4	5
411	Gaseous and Particulate Chlorine Emissions From Typical Iron and Steel Industry in China. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2020JD032729	4.4	5
410	Water/Methanol-Insoluble Brown Carbon Can Dominate Aerosol-Enhanced Light Absorption in Port Cities. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 14889-14898	10.3	7
409	The pollution levels, variation characteristics, sources and implications of atmospheric carbonyls in a typical rural area of North China Plain during winter. <i>Journal of Environmental Sciences</i> , <b>2020</b> , 95, 256-265	6.4	7
408	Tris(2,4-di-butylphenyl)phosphate: An Unexpected Abundant Toxic Pollutant Found in PM. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 10570-10576	10.3	15
407	Study of Secondary Organic Aerosol Formation from Chlorine Radical-Initiated Oxidation of Volatile Organic Compounds in a Polluted Atmosphere Using a 3D Chemical Transport Model. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 13409-13418	10.3	12
406	A More Important Role for the Ozone-S(IV) Oxidation Pathway Due to Decreasing Acidity in Clouds. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2020JD033220	4.4	6
405	HONO Budget and Its Role in Nitrate Formation in the Rural North China Plain. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 11048-11057	10.3	24
404	Size-Resolved Mixing States and Sources of Amine-Containing Particles in the East China Sea. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2020JD033162	4.4	6
403	Satellite-based estimation of full-coverage ozone (O <sub>3</sub> ) concentration and health effect assessment across Hainan Island. <i>Journal of Cleaner Production</i> , <b>2020</b> , 244, 118773	10.3	25
402	Characterization of particulate matter and its extinction ability during different seasons and weather conditions in Sinkiang, China: two case studies. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 22414-22422	5.1	0

401	Pollutants emitted from typical Chinese vessels: Potential contributions to ozone and secondary organic aerosols. <i>Journal of Cleaner Production</i> , <b>2019</b> , 238, 117862	10.3	16
400	Observation of nitrate dominant PM <sub>2.5</sub> and particle pH elevation in urban Beijing during the winter of 2017 <b>2019</b> ,		4
399	Sub-lethal concentrations of heavy metals induce antibiotic resistance via mutagenesis. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 369, 9-16	12.8	42
398	The effect and mechanism of urban fine particulate matter (PM) on horizontal transfer of plasmid-mediated antimicrobial resistance genes. <i>Science of the Total Environment</i> , <b>2019</b> , 683, 116-123	10.2	24
397	Characteristics of fine particle explosive growth events in Beijing, China: Seasonal variation, chemical evolution pattern and formation mechanism. <i>Science of the Total Environment</i> , <b>2019</b> , 687, 1073-1086	10.2	42
396	Excitation-emission matrix fluorescence, molecular characterization and compound-specific stable carbon isotopic composition of dissolved organic matter in cloud water over Mt. Tai. <i>Atmospheric Environment</i> , <b>2019</b> , 213, 608-619	5.3	16
395	Formation features of nitrous acid in the offshore area of the East China Sea. <i>Science of the Total Environment</i> , <b>2019</b> , 682, 138-150	10.2	13
394	Contribution of transregional transport to particle pollution and health effects in Shanghai during 2013-2017. <i>Science of the Total Environment</i> , <b>2019</b> , 677, 564-570	10.2	13
393	Impacts of six potential HONO sources on HO budgets and SOA formation during a wintertime heavy haze period in the North China Plain. <i>Science of the Total Environment</i> , <b>2019</b> , 681, 110-123	10.2	26
392	Inherent Metals of a Phytoremediation Plant Influence Its Recyclability by Hydrothermal Liquefaction. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 6580-6586	10.3	21
391	Size distribution and chemical composition of primary particles emitted during open biomass burning processes: Impacts on cloud condensation nuclei activation. <i>Science of the Total Environment</i> , <b>2019</b> , 674, 179-188	10.2	12
390	Size-fractionated water-soluble ions during autumn and winter: Insights into volatile ammonium formation mechanisms in Shanghai, a megacity of China. <i>Atmospheric Environment: X</i> , <b>2019</b> , 2, 100011	2.8	1
389	Cytotoxicity analysis of ambient fine particle in BEAS-2B cells on an air-liquid interface (ALI) microfluidics system. <i>Science of the Total Environment</i> , <b>2019</b> , 677, 108-119	10.2	5
388	Impact of emission controls on air quality in Beijing during APEC 2014: Implications from water-soluble ions and carbonaceous aerosol in PM <sub>2.5</sub> and their precursors. <i>Atmospheric Environment</i> , <b>2019</b> , 210, 241-252	5.3	29
387	In situ remediation of subsurface contamination: opportunities and challenges for nanotechnology and advanced materials. <i>Environmental Science: Nano</i> , <b>2019</b> , 6, 1283-1302	7.1	38
386	Air pollution characteristics in China during 2015-2016: Spatiotemporal variations and key meteorological factors. <i>Science of the Total Environment</i> , <b>2019</b> , 648, 902-915	10.2	115
385	Unexpectedly Increased Particle Emissions from the Steel Industry Determined by Wet/Semidry/Dry Flue Gas Desulfurization Technologies. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 10361-10370	10.3	19
384	Dark air-liquid interfacial chemistry of glyoxal and hydrogen peroxide. <i>Npj Climate and Atmospheric Science</i> , <b>2019</b> , 2,	8	12



383	Chemistry-triggered events of PM explosive growth during late autumn and winter in Shanghai, China. <i>Environmental Pollution</i> , <b>2019</b> , 254, 112864	9.3	27
382	Evolution of aqSOA from the Air-Liquid Interfacial Photochemistry of Glyoxal and Hydroxyl Radicals. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 10236-10245	10.3	19
381	Enhanced heterogeneous uptake of sulfur dioxide on mineral particles through modification of iron speciation during simulated cloud processing. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 12569-12585	6.8	9
380	Size-segregated water-soluble N-bearing species in the land-sea boundary zone of East China. <i>Atmospheric Environment</i> , <b>2019</b> , 218, 116990	5.3	2
379	Abundant NH in China Enhances Atmospheric HONO Production by Promoting the Heterogeneous Reaction of SO with NO. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 14339-14347	10.3	36
378	Comparative Study of PAHs in PM1 and PM2.5 at a Background Site in the North China Plain. <i>Aerosol and Air Quality Research</i> , <b>2019</b> , 19, 2281-2293	4.6	8
377	Klarite as a label-free SERS-based assay: a promising approach for atmospheric bioaerosol detection. <i>Analyst, The</i> , <b>2019</b> , 145, 277-285	5	11
376	The effects of firework regulation on air quality and public health during the Chinese Spring Festival from 2013 to 2017 in a Chinese megacity. <i>Environment International</i> , <b>2019</b> , 126, 96-106	12.9	47
375	Nitrogen-containing secondary organic aerosol formation by acrolein reaction with ammonia/ammonium. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 1343-1356	6.8	13
374	Marine organic matter in the remote environment of the Cape Verde Islands [An introduction and overview to the MarParCloud campaign <b>2019</b> ,		3
373	Nitrite-Mediated Photooxidation of Vanillin in the Atmospheric Aqueous Phase. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 14253-14263	10.3	28
372	Isotopic constraints on the atmospheric sources and formation of nitrogenous species in clouds influenced by biomass burning. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 12221-12234	6.8	14
371	The spatiotemporal variation and key factors of SO2 in 336 cities across China. <i>Journal of Cleaner Production</i> , <b>2019</b> , 210, 602-611	10.3	31
370	Emission factors and environmental implication of organic pollutants in PM emitted from various vessels in China. <i>Atmospheric Environment</i> , <b>2019</b> , 200, 302-311	5.3	22
369	A method for particulate matter 2.5 (PM) biotoxicity assay using luminescent bacterium. <i>Ecotoxicology and Environmental Safety</i> , <b>2019</b> , 170, 796-803	7	8
368	Nonthermal air plasma dehydration of hydrochar improves its carbon sequestration potential and dissolved organic matter molecular characteristics. <i>Science of the Total Environment</i> , <b>2019</b> , 659, 655-663	10.2	17
367	Decarbonylation reaction of saturated and oxidized tar from pyrolysis of low aromaticity biomass boost reduction of hexavalent chromium. <i>Chemical Engineering Journal</i> , <b>2019</b> , 360, 1042-1050	14.7	11
366	Profile of inhalable bacteria in PM at Mt. Tai, China: Abundance, community, and influence of air mass trajectories. <i>Ecotoxicology and Environmental Safety</i> , <b>2019</b> , 168, 110-119	7	23

365	Photochemical Aging of Guaiacol by Fe(III)-Oxalate Complexes in Atmospheric Aqueous Phase. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 127-136	10.3	34
364	Impact of adsorbed nitrate on the heterogeneous conversion of SO on $\alpha$ -FeO in the absence and presence of simulated solar irradiation. <i>Science of the Total Environment</i> , <b>2019</b> , 649, 1393-1402	10.2	8
363	Physiochemical characteristics of aerosol particles collected from the Jokhang Temple indoors and the implication to human exposure. <i>Environmental Pollution</i> , <b>2018</b> , 236, 992-1003	9.3	8
362	Baosteel emission control significantly benefited air quality in Shanghai. <i>Journal of Environmental Sciences</i> , <b>2018</b> , 71, 127-135	6.4	6
361	Petrol and diesel exhaust particles accelerate the horizontal transfer of plasmid-mediated antimicrobial resistance genes. <i>Environment International</i> , <b>2018</b> , 114, 280-287	12.9	25
360	Sub-inhibitory concentrations of heavy metals facilitate the horizontal transfer of plasmid-mediated antibiotic resistance genes in water environment. <i>Environmental Pollution</i> , <b>2018</b> , 237, 74-82	9.3	143
359	Trends in heterogeneous aqueous reaction in continuous haze episodes in suburban Shanghai: An in-depth case study. <i>Science of the Total Environment</i> , <b>2018</b> , 634, 1192-1204	10.2	22
358	Characterization and acid-mobilization study for typical iron-bearing clay mineral. <i>Journal of Environmental Sciences</i> , <b>2018</b> , 71, 222-232	6.4	10
357	Pollution characteristics of particulate matters emitted from outdoor barbecue cooking in urban Jinan in eastern China. <i>Frontiers of Environmental Science and Engineering</i> , <b>2018</b> , 12, 1	5.8	5
356	Influences of Temperature and Metal on Subcritical Hydrothermal Liquefaction of Hyperaccumulator: Implications for the Recycling of Hazardous Hyperaccumulators. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 2225-2234	10.3	40
355	Carbon transmission of CO <sub>2</sub> activated nano-MgO carbon composites enhances phosphate immobilization. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 3705-3713	13	27
354	A novel process for obtaining high quality cellulose acetate from green landscaping waste. <i>Journal of Cleaner Production</i> , <b>2018</b> , 176, 338-347	10.3	22
353	Nitro and oxy-PAHs bounded in PM and PM under different weather conditions at Mount Tai in Eastern China: Sources, long-distance transport, and cancer risk assessment. <i>Science of the Total Environment</i> , <b>2018</b> , 622-623, 1400-1407	10.2	7
352	Identification and semi-quantification of biogenic organic nitrates in ambient particulate matters by UHPLC/ESI-MS. <i>Atmospheric Environment</i> , <b>2018</b> , 176, 140-147	5.3	8
351	CO <sub>2</sub> activation promotes available carbonate and phosphorus of antibiotic mycelial fermentation residue-derived biochar support for increased lead immobilization. <i>Chemical Engineering Journal</i> , <b>2018</b> , 334, 1101-1107	14.7	33
350	Optimizing xylose production from pinewood sawdust through dilute-phosphoric-acid hydrolysis by response surface methodology. <i>Journal of Cleaner Production</i> , <b>2018</b> , 178, 572-579	10.3	29
349	Key Role of Nitrate in Phase Transitions of Urban Particles: Implications of Important Reactive Surfaces for Secondary Aerosol Formation. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 1234-1243	4.4	56
348	ToF-SIMS characterization of glyoxal surface oxidation products by hydrogen peroxide: A comparison between dry and liquid samples. <i>Surface and Interface Analysis</i> , <b>2018</b> , 50, 927-938	1.5	13

347	Investigation of new particle formation at the summit of Mt. Tai, China. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 2243-2258	6.8	15
346	An observational study of nitrous acid (HONO) in Shanghai, China: The aerosol impact on HONO formation during the haze episodes. <i>Science of the Total Environment</i> , <b>2018</b> , 630, 1057-1070	10.2	35
345	Associations between short-term exposure to ambient sulfur dioxide and increased cause-specific mortality in 272 Chinese cities. <i>Environment International</i> , <b>2018</b> , 117, 33-39	12.9	76
344	Observations of fine particulate nitrated phenols in four sites in northern China: concentrations, source apportionment, and secondary formation. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 4349-4359	6.8	43
343	Pollutant emissions from residential combustion and reduction strategies estimated via a village-based emission inventory in Beijing. <i>Environmental Pollution</i> , <b>2018</b> , 238, 230-237	9.3	45
342	Characteristics of atmospheric ammonia and its relationship with vehicle emissions in a megacity in China. <i>Atmospheric Environment</i> , <b>2018</b> , 182, 97-104	5.3	24
341	Characteristics and sources of nitrous acid in an urban atmosphere of northern China: Results from 1-yr continuous observations. <i>Atmospheric Environment</i> , <b>2018</b> , 182, 296-306	5.3	50
340	Observations of atmospheric pollutants at Lhasa during 2014-2015: Pollution status and the influence of meteorological factors. <i>Journal of Environmental Sciences</i> , <b>2018</b> , 63, 28-42	6.4	19
339	Fog composition along the Yangtze River basin: Detecting emission sources of pollutants in fog water. <i>Journal of Environmental Sciences</i> , <b>2018</b> , 71, 2-12	6.4	9
338	Trash to treasure: Use flue gas SO <sub>2</sub> to produce H <sub>2</sub> via a photoelectrochemical process. <i>Chemical Engineering Journal</i> , <b>2018</b> , 335, 231-235	14.7	18
337	Activating Inert Alkali-Metal Ions by Electron Transfer from Manganese Oxide for Formaldehyde Abatement. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 681-689	4.8	17
336	Emerging investigator series: heterogeneous reactions of sulfur dioxide on mineral dust nanoparticles: from single component to mixed components. <i>Environmental Science: Nano</i> , <b>2018</b> , 5, 1821-1833	7.1	18
335	Molecular distributions of dicarboxylic acids, oxocarboxylic acids and $\alpha$ -dicarbonyls in PM <sub>2.5</sub> collected at the top of Mt. Tai, North China, during the wheat burning season of 2014. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 10741-10758	6.8	19
334	Characteristics and sources of atmospheric volatile organic compounds (VOCs) along the mid-lower Yangtze River in China. <i>Atmospheric Environment</i> , <b>2018</b> , 190, 232-240	5.3	35
333	Investigating particles, VOCs, ROS produced from mosquito-repellent incense emissions and implications in SOA formation and human health. <i>Building and Environment</i> , <b>2018</b> , 143, 645-651	6.5	15
332	Personal Ozone Exposure and Respiratory Inflammatory Response: The Role of DNA Methylation in the Arginase-Nitric Oxide Synthase Pathway. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 8785-8791	10.3	21
331	Atmospheric new particle formation from sulfuric acid and amines in a Chinese megacity. <i>Science</i> , <b>2018</b> , 361, 278-281	33.3	265
330	Does interfacial photochemistry play a role in the photolysis of pyruvic acid in water?. <i>Atmospheric Environment</i> , <b>2018</b> , 191, 36-45	5.3	22

329	Adsorption of SO <sub>2</sub> on mineral dust particles influenced by atmospheric moisture. <i>Atmospheric Environment</i> , <b>2018</b> , 191, 153-161	5.3	14
328	The influence of temperature on the heterogeneous uptake of SO on hematite particles. <i>Science of the Total Environment</i> , <b>2018</b> , 644, 1493-1502	10.2	8
327	Impact of heterogeneous uptake of nitrogen dioxide on the conversion of acetaldehyde on gamma-alumina in the absence and presence of simulated solar irradiation. <i>Atmospheric Environment</i> , <b>2018</b> , 187, 282-291	5.3	6
326	Diurnal concentrations, sources, and cancer risk assessments of PM-bound PAHs, NPAHs, and OPAHs in urban, marine and mountain environments. <i>Chemosphere</i> , <b>2018</b> , 209, 147-155	8.4	24
325	Chemical Composition and Bacterial Community in Size-Resolved Cloud Water at the Summit of Mt. Tai, China. <i>Aerosol and Air Quality Research</i> , <b>2018</b> , 18, 1-14	4.6	10
324	Trend in Fine Sulfate Concentrations and the Associated Secondary Formation Processes at an Urban Site in North China. <i>Aerosol and Air Quality Research</i> , <b>2018</b> , 18, 1519-1530	4.6	2
323	Measurements of nonvolatile size distribution and its link to traffic soot in urban Shanghai. <i>Science of the Total Environment</i> , <b>2018</b> , 615, 452-461	10.2	2
322	Characteristics of the pollutant emissions in a tunnel of Shanghai on a weekday. <i>Journal of Environmental Sciences</i> , <b>2018</b> , 71, 136-149	6.4	6
321	Chromatographic separation of glucose, xylose and arabinose from lignocellulosic hydrolysates using cation exchange resin. <i>Separation and Purification Technology</i> , <b>2018</b> , 195, 288-294	8.3	17
320	Effect of relative humidity and the presence of aerosol particles on the pinene ozonolysis. <i>Journal of Environmental Sciences</i> , <b>2018</b> , 71, 99-107	6.4	10
319	Atmospheric PAHs, NPAHs, and OPAHs at an urban, mountainous, and marine sites in Northern China: Molecular composition, sources, and ageing. <i>Atmospheric Environment</i> , <b>2018</b> , 173, 256-264	5.3	41
318	Air quality in the middle and lower reaches of the Yangtze River channel: a cruise campaign. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 14445-14464	6.8	6
317	Six sources mainly contributing to the haze episodes and health risk assessment of PM at Beijing suburb in winter 2016. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 166, 146-156	7	39
316	Primary Particulate Matter Emitted from Heavy Fuel and Diesel Oil Combustion in a Typical Container Ship: Characteristics and Toxicity. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 12943-12951	10.3	42
315	Cloud scavenging of anthropogenic refractory particles at a mountain site in North China. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 14681-14693	6.8	20
314	Nano-metal oxides induce antimicrobial resistance via radical-mediated mutagenesis. <i>Environment International</i> , <b>2018</b> , 121, 1162-1171	12.9	27
313	Counteractive effects of regional transport and emission control on the formation of fine particles: a case study during the Hangzhou G20 summit. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 13581-13600	6.8	27
312	Temporal variations in the hygroscopicity and mixing state of black carbon aerosols in a polluted megacity area. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 15201-15218	6.8	14

3 <sup>11</sup>	Production Temperature Effects on the Structure of Hydrochar-Derived Dissolved Organic Matter and Associated Toxicity. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 7486-7495	10.3	48
3 <sup>10</sup>	The changing ambient mixing ratios of long-lived halocarbons under Montreal Protocol in China. <i>Journal of Cleaner Production</i> , <b>2018</b> , 188, 774-785	10.3	17
3 <sup>09</sup>	Observation and analysis of atmospheric volatile organic compounds in a typical petrochemical area in Yangtze River Delta, China. <i>Journal of Environmental Sciences</i> , <b>2018</b> , 71, 233-248	6.4	32
3 <sup>08</sup>	Fine particulate matter constituents and stress hormones in the hypothalamus-pituitary-adrenal axis. <i>Environment International</i> , <b>2018</b> , 119, 186-192	12.9	53
3 <sup>07</sup>	Understanding unusually high levels of peroxyacetyl nitrate (PAN) in winter in Urban Jinan, China. <i>Journal of Environmental Sciences</i> , <b>2018</b> , 71, 249-260	6.4	23
3 <sup>06</sup>	Online single particle measurement of fireworks pollution during Chinese New Year in Nanning. <i>Journal of Environmental Sciences</i> , <b>2017</b> , 53, 184-195	6.4	32
3 <sup>05</sup>	Long-range and regional transported size-resolved atmospheric aerosols during summertime in urban Shanghai. <i>Science of the Total Environment</i> , <b>2017</b> , 583, 334-343	10.2	27
3 <sup>04</sup>	Physiochemical characteristics of aerosol particles in the typical microenvironment of hospital in Shanghai, China. <i>Science of the Total Environment</i> , <b>2017</b> , 580, 651-659	10.2	9
3 <sup>03</sup>	Investigation of diverse bacteria in cloud water at Mt. Tai, China. <i>Science of the Total Environment</i> , <b>2017</b> , 580, 258-265	10.2	27
3 <sup>02</sup>	Aerosol optical properties at urban and coastal sites in Shandong Province, Northern China. <i>Atmospheric Research</i> , <b>2017</b> , 188, 39-47	5.4	8
3 <sup>01</sup>	Ligand-Promoted Photoreductive Dissolution of Goethite by Atmospheric Low-Molecular Dicarboxylates. <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 1647-1656	2.8	16
3 <sup>00</sup>	Single Silver Adatoms on Nanostructured Manganese Oxide Surfaces: Boosting Oxygen Activation for Benzene Abatement. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 2304-2311	10.3	64
299	Heterogeneous Nucleation of Trichloroethylene Ozonation Products in the Formation of New Fine Particles. <i>Scientific Reports</i> , <b>2017</b> , 7, 42600	4.9	4
298	Air pollution-aerosol interactions produce more bioavailable iron for ocean ecosystems. <i>Science Advances</i> , <b>2017</b> , 3, e1601749	14.3	128
297	Emission characterization, environmental impact, and control measure of PM <sub>2.5</sub> emitted from agricultural crop residue burning in China. <i>Journal of Cleaner Production</i> , <b>2017</b> , 149, 629-635	10.3	77
296	Reaction Mechanism of 4-Chlorobiphenyl and the NO Radical: An Experimental and Theoretical Study. <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 3461-3468	2.8	1
295	Surface-Enhanced Raman Spectroscopy: A Facile and Rapid Method for the Chemical Component Study of Individual Atmospheric Aerosol. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 6260-6267	10.3	38
294	Characterization of typical metal particles during haze episodes in Shanghai, China. <i>Chemosphere</i> , <b>2017</b> , 181, 259-269	8.4	14

293	Reconciling modeling with observations of radiative absorption of black carbon aerosols. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 5932-5942	4.4	12
292	Active Tetrahedral Iron Sites of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> Catalyzing NO Reduction by NH <sub>3</sub> . <i>Environmental Science and Technology Letters</i> , <b>2017</b> , 4, 246-250	11	29
291	Spatial and temporal variation of particulate matter and gaseous pollutants in China during 2014-2016. <i>Atmospheric Environment</i> , <b>2017</b> , 161, 235-246	5.3	101
290	Tuning electronic states of catalytic sites enhances SCR activity of hexagonal WO <sub>3</sub> by Mo framework substitution. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 2467-2473	5.5	5
289	Enhanced Performance of Ceria-Based NO Reduction Catalysts by Optimal Support Effect. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 473-478	10.3	64
288	Design and application of a novel integrated microsampling system for simultaneous collection of gas- and particle-phase semivolatile organic compounds. <i>Atmospheric Environment</i> , <b>2017</b> , 149, 1-11	5.3	5
287	Deciphering the aqueous chemistry of glyoxal oxidation with hydrogen peroxide using molecular imaging. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 20357-20366	3.6	23
286	Carbonyl compounds at Mount Tai in the North China Plain: Characteristics, sources, and effects on ozone formation. <i>Atmospheric Research</i> , <b>2017</b> , 196, 53-61	5.4	33
285	Observations of N <sub>2</sub> O <sub>5</sub> and ClNO <sub>2</sub> at a polluted urban surface site in North China: High N <sub>2</sub> O <sub>5</sub> uptake coefficients and low ClNO <sub>2</sub> product yields. <i>Atmospheric Environment</i> , <b>2017</b> , 156, 125-134	5.3	64
284	Removal of SO <sub>2</sub> on a nanoporous photoelectrode with simultaneous H <sub>2</sub> production. <i>Environmental Science: Nano</i> , <b>2017</b> , 4, 834-842	7.1	25
283	Interfacial photochemistry of biogenic surfactants: a major source of abiotic volatile organic compounds. <i>Faraday Discussions</i> , <b>2017</b> , 200, 59-74	3.6	24
282	Bacterial characterization in ambient submicron particles during severe haze episodes at Ji'nan, China. <i>Science of the Total Environment</i> , <b>2017</b> , 580, 188-196	10.2	55
281	Clean production pathways for regional power-generation system under emission constraints: A case study of Shanghai, China. <i>Journal of Cleaner Production</i> , <b>2017</b> , 143, 989-1000	10.3	27
280	A review of biomass burning: Emissions and impacts on air quality, health and climate in China. <i>Science of the Total Environment</i> , <b>2017</b> , 579, 1000-1034	10.2	551
279	Subinhibitory Concentrations of Disinfectants Promote the Horizontal Transfer of Multidrug Resistance Genes within and across Genera. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 570-580	10.3	181
278	Light absorption enhancement of black carbon from urban haze in Northern China winter. <i>Environmental Pollution</i> , <b>2017</b> , 221, 418-426	9.3	43
277	Evaluation and potential improvements of WRF/CMAQ in simulating multi-levels air pollution in megacity Shanghai, China. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2017</b> , 31, 2513-2526	3.5	12
276	Seasonal contributions to size-resolved n-alkanes (C-C) in the Shanghai atmosphere from regional anthropogenic activities and terrestrial plant waxes. <i>Science of the Total Environment</i> , <b>2017</b> , 579, 1918-1928	10.2	17

275	Chemical composition, source, and process of urban aerosols during winter haze formation in Northeast China. <i>Environmental Pollution</i> , <b>2017</b> , 231, 357-366	9.3	59
274	Effects of particulate matter from straw burning on lung fibrosis in mice. <i>Environmental Toxicology and Pharmacology</i> , <b>2017</b> , 56, 249-258	5.8	23
273	Chemical Characteristics of Organic Aerosols in Shanghai: A Study by Ultrahigh-Performance Liquid Chromatography Coupled With Orbitrap Mass Spectrometry. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 11,703-11,722	4.4	47
272	Direct observations of organic aerosols in common wintertime hazes in North China: insights into direct emissions from Chinese residential stoves. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 1259-1270	6.8	43
271	Real-Time Aerosol Optical Properties, Morphology and Mixing States under Clear, Haze and Fog Episodes in the Summer of Urban Beijing <b>2017</b> ,		1
270	Characteristics of size-resolved atmospheric inorganic and carbonaceous aerosols in urban Shanghai. <i>Atmospheric Environment</i> , <b>2017</b> , 167, 625-641	5.3	31
269	Demethanation Trend of Hydrochar Induced by Organic Solvent Washing and Its Influence on Hydrochar Activation. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 10756-10764	10.3	29
268	Hydrothermal liquefaction of agricultural and forestry wastes: state-of-the-art review and future prospects. <i>Bioresource Technology</i> , <b>2017</b> , 245, 1184-1193	11	147
267	Uptake of Gaseous Alkylamides by Suspended Sulfuric Acid Particles: Formation of Ammonium/Aminium Salts. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 11710-11717	10.3	13
266	Top-down synthesis strategies: Maximum noble-metal atom efficiency in catalytic materials. <i>Chinese Journal of Catalysis</i> , <b>2017</b> , 38, 1588-1596	11.3	8
265	Atmospheric emissions of Cu and Zn from coal combustion in China: Spatio-temporal distribution, human health effects, and short-term prediction. <i>Environmental Pollution</i> , <b>2017</b> , 229, 724-734	9.3	20
264	Particulate Matter Exposure and Stress Hormone Levels: A Randomized, Double-Blind, Crossover Trial of Air Purification. <i>Circulation</i> , <b>2017</b> , 136, 618-627	16.7	254
263	Morphology, composition, and mixing state of primary particles from combustion sources - crop residue, wood, and solid waste. <i>Scientific Reports</i> , <b>2017</b> , 7, 5047	4.9	49
262	Fabrication, characterization, and stability of supported single-atom catalysts. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 4250-4258	5.5	90
261	Chemical characterization and toxicity assessment of fine particulate matters emitted from the combustion of petrol and diesel fuels. <i>Science of the Total Environment</i> , <b>2017</b> , 605-606, 172-179	10.2	50
260	First results from light scattering enhancement factor over central Indian Himalayas during GVAX campaign. <i>Science of the Total Environment</i> , <b>2017</b> , 605-606, 124-138	10.2	11
259	Emissions of fine particulate nitrated phenols from the burning of five common types of biomass. <i>Environmental Pollution</i> , <b>2017</b> , 230, 405-412	9.3	48
258	Influence of fireworks displays on the chemical characteristics of PM in rural and suburban areas in Central and East China. <i>Science of the Total Environment</i> , <b>2017</b> , 578, 476-484	10.2	27

257	Formation, features and controlling strategies of severe haze-fog pollutions in China. <i>Science of the Total Environment</i> , <b>2017</b> , 578, 121-138	10.2	190
256	Chemical characteristics of PM <sub>2.5</sub> and influence on visual range at the summit of Mount Tai, North China. <i>Science of the Total Environment</i> , <b>2017</b> , 575, 458-466	10.2	22
255	Contributions and source identification of biogenic and anthropogenic hydrocarbons to secondary organic aerosols at Mt. Tai in 2014. <i>Environmental Pollution</i> , <b>2017</b> , 220, 863-872	9.3	34
254	Ion exchange separation for recovery of monosaccharides, organic acids and phenolic compounds from hydrolysates of lignocellulosic biomass. <i>Separation and Purification Technology</i> , <b>2017</b> , 172, 100-106	8.3	27
253	Open burning of rice, corn and wheat straws: primary emissions, photochemical aging, and secondary organic aerosol formation. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 14821-14839	6.8	42
252	Multi-pollutant emissions from the burning of major agricultural residues in China and the related health-economic effects. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 4957-4988	6.8	34
251	Characteristics of bacterial community in cloud water at Mt Tai: similarity and disparity under polluted and non-polluted cloud episodes. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 5253-5270	6.8	32
250	Fungi diversity in PM <sub>2.5</sub> and PM <sub>10</sub> at the summit of Mt. Tai: abundance, size distribution, and seasonal variation. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 11247-11260	6.8	17
249	Real-time aerosol optical properties, morphology and mixing states under clear, haze and fog episodes in the summer of urban Beijing. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 5079-5093	6.8	18
248	Insight into winter haze formation mechanisms based on aerosol hygroscopicity and effective density measurements. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 7277-7290	6.8	23
247	Size-resolved chemical composition, effective density, and optical properties of biomass burning particles. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 7481-7493	6.8	28
246	Chemical composition and droplet size distribution of cloud at the summit of Mount Tai, China. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 9885-9896	6.8	38
245	Mixed Chloride Aerosols and their Atmospheric Implications: A Review. <i>Aerosol and Air Quality Research</i> , <b>2017</b> , 17, 878-887	4.6	18
244	Influence of Cloud/Fog on Atmospheric VOCs in the Free Troposphere: A Case Study at Mount Tai in Eastern China. <i>Aerosol and Air Quality Research</i> , <b>2017</b> , 17, 2401-2412	4.6	9
243	Sodium Rivals Silver as Single-Atom Active Centers for Catalyzing Abatement of Formaldehyde. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 7084-7090	10.3	42
242	A review of single aerosol particle studies in the atmosphere of East Asia: morphology, mixing state, source, and heterogeneous reactions. <i>Journal of Cleaner Production</i> , <b>2016</b> , 112, 1330-1349	10.3	166
241	Significant increase of summertime ozone at Mt. Tai in Central Eastern China: 2003-2015 <b>2016</b> ,		2
240	Catalytic hydrothermal liquefaction of rice straw in water/ethanol mixtures for high yields of monomeric phenols using reductive CuZnAl catalyst. <i>Fuel Processing Technology</i> , <b>2016</b> , 154, 1-6	7.2	26



239	Atmospheric outflow of PM2.5 saccharides from megacity Shanghai to East China Sea: Impact of biological and biomass burning sources. <i>Atmospheric Environment</i> , <b>2016</b> , 143, 1-14	5.3	58
238	Size distribution of particle-phase sugar and nitrophenol tracers during severe urban haze episodes in Shanghai. <i>Atmospheric Environment</i> , <b>2016</b> , 145, 115-127	5.3	54
237	Organosulfate Formation through the Heterogeneous Reaction of Sulfur Dioxide with Unsaturated Fatty Acids and Long-Chain Alkenes. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 10336-9	16.4	42
236	The variation of characteristics of individual particles during the haze evolution in the urban Shanghai atmosphere. <i>Atmospheric Research</i> , <b>2016</b> , 181, 95-105	5.4	22
235	A conceptual framework for mixing structures in individual aerosol particles. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 13,784-13,798	4.4	78
234	Synthesis, characterization and adsorption capacity of magnetic carbon composites activated by CO <sub>2</sub> : implication for the catalytic mechanisms of iron salts. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 18942-18951	13	25
233	Molecular characterization of atmospheric particulate organosulfates in three megacities at the middle and lower reaches of the Yangtze River. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 2285-2298	6.8	58
232	Size distributions of polycyclic aromatic hydrocarbons in urban atmosphere: sorption mechanism and source contributions to respiratory deposition. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 2971-2983	6.8	43
231	Significant increase of summertime ozone at Mount Tai in Central Eastern China. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 10637-10650	6.8	132
230	Detection of atmospheric gaseous amines and amides by a high-resolution time-of-flight chemical ionization mass spectrometer with protonated ethanol reagent ions. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 14527-14543	6.8	69
229	Formation of secondary aerosols from gasoline vehicle exhaust when mixing with SO <sub>2</sub> . <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 675-689	6.8	52
228	Distribution and sources of air pollutants in the North China Plain based on on-road mobile measurements. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 12551-12565	6.8	17
227	Size distribution and mixing state of black carbon particles during a heavy air pollution episode in Shanghai. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 5399-5411	6.8	58
226	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> , <b>2016</b> , 9, 823-833	5.6	22
225	Characteristics of ambient volatile organic compounds and the influence of biomass burning at a rural site in Northern China during summer 2013. <i>Atmospheric Environment</i> , <b>2016</b> , 124, 156-165	5.3	46
224	Physiochemical properties of carbonaceous aerosol from agricultural residue burning: Density, volatility, and hygroscopicity. <i>Atmospheric Environment</i> , <b>2016</b> , 140, 94-105	5.3	30
223	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> , <b>2016</b> , 557-558, 520-30	10.2	33
222	Measurements of nitrous acid (HONO) in urban area of Shanghai, China. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 5818-29	5.1	17

221	Monophenols separation from monosaccharides and acids by two-stage nanofiltration and reverse osmosis in hydrothermal liquefaction hydrolysates. <i>Journal of Membrane Science</i> , <b>2016</b> , 504, 141-152	9.6	18
220	The active sites of supported silver particle catalysts in formaldehyde oxidation. <i>Chemical Communications</i> , <b>2016</b> , 52, 9996-9	5.8	22
219	Online single particle analysis of chemical composition and mixing state of crop straw burning particles: from laboratory study to field measurement. <i>Frontiers of Environmental Science and Engineering</i> , <b>2016</b> , 10, 244-252	5.8	6
218	Chemical composition of PM <sub>2.5</sub> and meteorological impact among three years in urban Shanghai, China. <i>Journal of Cleaner Production</i> , <b>2016</b> , 112, 1302-1311	10.3	91
217	Controllable synthesis of magnetic carbon composites with high porosity and strong acid resistance from hydrochar for efficient removal of organic pollutants: An overlooked influence. <i>Carbon</i> , <b>2016</b> , 99, 338-347	10.4	84
216	Improved performance of supported single-atom catalysts via increased surface active sites. <i>Catalysis Communications</i> , <b>2016</b> , 75, 74-77	3.2	22
215	Radiative absorption enhancement from coatings on black carbon aerosols. <i>Science of the Total Environment</i> , <b>2016</b> , 551-552, 51-6	10.2	70
214	Tracking the conversion of nitrogen during pyrolysis of antibiotic mycelial fermentation residues using XPS and TG-FTIR-MS technology. <i>Environmental Pollution</i> , <b>2016</b> , 211, 20-7	9.3	75
213	Bio-oil production from eight selected green landscaping wastes through hydrothermal liquefaction. <i>RSC Advances</i> , <b>2016</b> , 6, 15260-15270	3.7	27
212	Preventing smog crises in China and globally. <i>Journal of Cleaner Production</i> , <b>2016</b> , 112, 1261-1271	10.3	61
211	The effects of acetaldehyde, glyoxal and acetic acid on the heterogeneous reaction of nitrogen dioxide on gamma-alumina. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 9367-76	3.6	13
210	An estimation of CO <sub>2</sub> emission via agricultural crop residue open field burning in China from 1996 to 2013. <i>Journal of Cleaner Production</i> , <b>2016</b> , 112, 2625-2631	10.3	99
209	Aromatic Hydrocarbons and Halocarbons at a Mountaintop in Southern China. <i>Aerosol and Air Quality Research</i> , <b>2016</b> , 16, 478-491	4.6	7
208	Distribution and Sources of Air pollutants in the North China Plain Based on On-Road Mobile Measurements <b>2016</b> ,		1
207	Size distribution of particle-associated polybrominated diphenyl ethers (PBDEs) and their implications for health. <i>Atmospheric Measurement Techniques</i> , <b>2016</b> , 9, 1025-1037	4	21
206	Characteristics of bacterial community in fog water at Mt. Tai: similarity and disparity under polluted and non-polluted fog episodes <b>2016</b> ,		2
205	Reactions of Atmospheric Particulate Stabilized Criegee Intermediates Lead to High-Molecular-Weight Aerosol Components. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 5702-10 <sup>3</sup>	10.3	43
204	Effect of glycerol as co-solvent on yields of bio-oil from rice straw through hydrothermal liquefaction. <i>Bioresource Technology</i> , <b>2016</b> , 220, 471-478	11	58

203	Separation of high-purity syringol and acetosyringone from rice straw-derived bio-oil by combining the basification-acidification process and column chromatography. <i>Electrophoresis</i> , <b>2016</b> , 37, 2522-2530	3.6	7
202	Intense secondary aerosol formation due to strong atmospheric photochemical reactions in summer: observations at a rural site in eastern Yangtze River Delta of China. <i>Science of the Total Environment</i> , <b>2016</b> , 571, 1454-66	10.2	72
201	Insights into different nitrate formation mechanisms from seasonal variations of secondary inorganic aerosols in Shanghai. <i>Atmospheric Environment</i> , <b>2016</b> , 145, 1-9	5.3	34
200	Self-Protection Mechanism of Hexagonal WO-Based DeNO Catalysts against Alkali Poisoning. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 11951-11956	10.3	37
199	Effects of amines on particle growth observed in new particle formation events. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 324-335	4.4	41
198	Seasonal variation and difference of aerosol optical properties in columnar and surface atmospheres over Shanghai. <i>Atmospheric Environment</i> , <b>2015</b> , 123, 315-326	5.3	62
197	Photosensitized Production of Atmospherically Reactive Organic Compounds at the Air/Aqueous Interface. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 8348-51	16.4	74
196	Combustion of hazardous biological waste derived from the fermentation of antibiotics using TG-FTIR and Py-GC/MS techniques. <i>Bioresource Technology</i> , <b>2015</b> , 193, 156-63	11	71
195	Individual particle analysis of aerosols collected at Lhasa City in the Tibetan Plateau. <i>Journal of Environmental Sciences</i> , <b>2015</b> , 29, 165-77	6.4	27
194	The mechanism and kinetic model on the OH-initiated degradation of acetofenate in the atmosphere. <i>Atmospheric Environment</i> , <b>2015</b> , 103, 357-364	5.3	3
193	Investigation on the Physical and Chemical Properties of Hydrochar and Its Derived Pyrolysis Char for Their Potential Application: Influence of Hydrothermal Carbonization Conditions. <i>Energy &amp; Fuels</i> , <b>2015</b> , 29, 5222-5230	4.1	45
192	Modification in light absorption cross section of laboratory-generated black carbon-brown carbon particles upon surface reaction and hydration. <i>Atmospheric Environment</i> , <b>2015</b> , 116, 253-261	5.3	13
191	Environmental performances of hydrochar-derived magnetic carbon composite affected by its carbonaceous precursor. <i>RSC Advances</i> , <b>2015</b> , 5, 60713-60722	3.7	29
190	Atmospheric degradation of lindane and 1,3-dichloroacetone in the gas phase. Studies at the EUPHORE simulation chamber. <i>Chemosphere</i> , <b>2015</b> , 138, 112-9	8.4	12
189	Levels, indoor-outdoor relationships and exposure risks of airborne particle-associated perchlorate and chlorate in two urban areas in Eastern Asia. <i>Chemosphere</i> , <b>2015</b> , 135, 31-7	8.4	15
188	Interactions between Heterogeneous Uptake and Adsorption of Sulfur Dioxide and Acetaldehyde on Hematite. <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 4001-8	2.8	24
187	Two-stage nanofiltration process for high-value chemical production from hydrolysates of lignocellulosic biomass through hydrothermal liquefaction. <i>Separation and Purification Technology</i> , <b>2015</b> , 147, 276-283	8.3	27
186	Role of Hydrochar Properties on the Porosity of Hydrochar-based Porous Carbon for Their Sustainable Application. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2015</b> , 3, 833-840	8.3	72

185	Macroalgae for biofuels production: Progress and perspectives. <i>Renewable and Sustainable Energy Reviews</i> , <b>2015</b> , 47, 427-437	16.2	219
184	Atmospheric chemistry of oxygenated volatile organic compounds: impacts on air quality and climate. <i>Chemical Reviews</i> , <b>2015</b> , 115, 3984-4014	68.1	258
183	Effect of Formaldehyde on the Heterogeneous Reaction of Nitrogen Dioxide on $\gamma$ -Alumina. <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 9317-24	2.8	11
182	HONO and its potential source particulate nitrite at an urban site in North China during the cold season. <i>Science of the Total Environment</i> , <b>2015</b> , 538, 93-101	10.2	42
181	PM 2.5 pollution episode and its contributors from 2011 to 2013 in urban Shanghai, China. <i>Atmospheric Environment</i> , <b>2015</b> , 123, 298-305	5.3	40
180	Alkali- and Sulfur-Resistant Tungsten-Based Catalysts for NO <sub>x</sub> Emissions Control. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 14460-5	10.3	58
179	Mechanistic and kinetic studies on OH-initiated atmospheric oxidation degradation of benzo[ <i>a</i> ]pyrene in the presence of O <sub>2</sub> and NO( <i>x</i> ). <i>Chemosphere</i> , <b>2015</b> , 119, 387-393	8.4	24
178	Size-resolved effective density of urban aerosols in Shanghai. <i>Atmospheric Environment</i> , <b>2015</b> , 100, 133-140	14.0	38
177	Thermal desorption single particle mass spectrometry of ambient aerosol in Shanghai. <i>Atmospheric Environment</i> , <b>2015</b> , 123, 407-414	5.3	10
176	Highly Dense Isolated Metal Atom Catalytic Sites: Dynamic Formation and In Situ Observations. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 17397-402	4.8	30
175	Strong atmospheric new particle formation in winter in urban Shanghai, China. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 1769-1781	6.8	116
174	Sea salt aerosols as a reactive surface for inorganic and organic acidic gases in the Arctic troposphere. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 11341-11353	6.8	54
173	Mixing state and sources of submicron regional background aerosols in the northern Qinghai-Tibet Plateau and the influence of biomass burning. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 13365-13376	6.8	25
172	Concentrations and solubility of trace elements in fine particles at a mountain site, southern China: regional sources and cloud processing. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 8987-9002	6.8	51
171	Secondary organic aerosol formation from photochemical aging of light-duty gasoline vehicle exhausts in a smog chamber. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 9049-9062	6.8	64
170	FORest Canopy Atmosphere Transfer (FORCAST) 1.0: a 1-D model of biosphere-atmosphere chemical exchange. <i>Geoscientific Model Development</i> , <b>2015</b> , 8, 3765-3784	6.3	49
169	N-acetylcysteine attenuates cigaret smoke-induced pulmonary exacerbation in a mouse model of emphysema. <i>Inhalation Toxicology</i> , <b>2015</b> , 27, 802-9	2.7	4
168	Evolution of biomass burning smoke particles in the dark. <i>Atmospheric Environment</i> , <b>2015</b> , 120, 244-252	5.3	27

167	Theoretical study for OH radical-initiated atmospheric oxidation of ethyl acrylate. <i>Chemosphere</i> , <b>2015</b> , 119, 626-633	8.4	21
166	Identification of the typical metal particles among haze, fog, and clear episodes in the Beijing atmosphere. <i>Science of the Total Environment</i> , <b>2015</b> , 511, 369-80	10.2	51
165	Separation of phenolic compounds with modified adsorption resin from aqueous phase products of hydrothermal liquefaction of rice straw. <i>Bioresource Technology</i> , <b>2015</b> , 182, 160-168	11	47
164	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> , <b>2015</b> , 101, 294-302	5.3	85
163	Do vehicular emissions dominate the source of C6-C8 aromatics in the megacity Shanghai of eastern China?. <i>Journal of Environmental Sciences</i> , <b>2015</b> , 27, 290-7	6.4	12
162	Rate coefficients for the reaction of ozone with 2- and 3-carene. <i>Chemical Physics Letters</i> , <b>2015</b> , 621, 71-77	2.5	9
161	Spectral Light Absorption of Ambient Aerosols in Urban Beijing during Summer: An Intercomparison of Measurements from a Range of Instruments. <i>Aerosol and Air Quality Research</i> , <b>2015</b> , 15, 1178-1187	4.6	12
160	Novel and High-Performance Magnetic Carbon Composite Prepared from Waste Hydrochar for Dye Removal. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2014</b> , 2, 969-977	8.3	106
159	Preparation of magnetic porous carbon from waste hydrochar by simultaneous activation and magnetization for tetracycline removal. <i>Bioresource Technology</i> , <b>2014</b> , 154, 209-14	11	252
158	Reaction pathway for reactivation and aging of paraoxon-inhibited-acetylcholinesterase: A QM/MM study. <i>Computational and Theoretical Chemistry</i> , <b>2014</b> , 1035, 44-50	2	7
157	Airborne submicron particulate (PM1) pollution in Shanghai, China: chemical variability, formation/dissociation of associated semi-volatile components and the impacts on visibility. <i>Science of the Total Environment</i> , <b>2014</b> , 473-474, 199-206	10.2	73
156	Characteristics and chemical compositions of particulate matter collected at the selected metro stations of Shanghai, China. <i>Science of the Total Environment</i> , <b>2014</b> , 496, 443-452	10.2	46
155	Analysis of human breath samples of lung cancer patients and healthy controls with solid-phase microextraction (SPME) and flow-modulated comprehensive two-dimensional gas chromatography (GC $\times$ GC). <i>Analytical Methods</i> , <b>2014</b> , 6, 6841	3.2	33
154	Indoor PM2.5 and its chemical composition during a heavy haze/fog episode at Jinan, China. <i>Atmospheric Environment</i> , <b>2014</b> , 99, 641-649	5.3	35
153	Role of water molecule in the gas-phase formation process of nitrated polycyclic aromatic hydrocarbons in the atmosphere: a computational study. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 5051-7	10.3	77
152	Particle number concentration, size distribution and chemical composition during haze and photochemical smog episodes in Shanghai. <i>Journal of Environmental Sciences</i> , <b>2014</b> , 26, 1894-902	6.4	51
151	Observations of linear dependence between sulfate and nitrate in atmospheric particles. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 341-361	4.4	40
150	Online hygroscopicity and chemical measurement of urban aerosol in Shanghai, China. <i>Atmospheric Environment</i> , <b>2014</b> , 95, 318-326	5.3	28

149	Facile fabrication of magnetic carbon composites from hydrochar via simultaneous activation and magnetization for triclosan adsorption. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 5840-8	10.3	119
148	Computational evidence for the detoxifying mechanism of epsilon class glutathione transferase toward the insecticide DDT. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 5008-16	10.3	44
147	Severe haze episodes and seriously polluted fog water in Ji'nan, China. <i>Science of the Total Environment</i> , <b>2014</b> , 493, 133-7	10.2	64
146	Characteristics and relevant remote sources of black carbon aerosol in Shanghai. <i>Atmospheric Research</i> , <b>2014</b> , 135-136, 159-171	5.4	33
145	Fractional iron solubility of aerosol particles enhanced by biomass burning and ship emission in Shanghai, East China. <i>Science of the Total Environment</i> , <b>2014</b> , 481, 377-91	10.2	29
144	Mechanistic and kinetic studies on the OH-initiated atmospheric oxidation of fluoranthene. <i>Science of the Total Environment</i> , <b>2014</b> , 490, 639-46	10.2	18
143	Composition and hygroscopicity of aerosol particles at Mt. Lu in South China: Implications for acid precipitation. <i>Atmospheric Environment</i> , <b>2014</b> , 94, 626-636	5.3	26
142	A novel porous carbon derived from hydrothermal carbon for efficient adsorption of tetracycline. <i>Carbon</i> , <b>2014</b> , 77, 627-636	10.4	197
141	Impacts of new particle formation on aerosol cloud condensation nuclei (CCN) activity in Shanghai: case study. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 11353-11365	6.8	27
140	Variations of cloud condensation nuclei (CCN) and aerosol activity during fog/haze episode: a case study from Shanghai. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 12499-12512	6.8	32
139	A study of aerosol liquid water content based on hygroscopicity measurements at high relative humidity in the North China Plain. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 6417-6426	6.8	97
138	Aerosol hygroscopicity parameter derived from the light scattering enhancement factor measurements in the North China Plain. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 8105-8118	6.8	64
137	The effects of nitrate on the heterogeneous uptake of sulfur dioxide on hematite. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 9451-9467	6.8	43
136	Size distribution of water-soluble inorganic ions in urban aerosols in Shanghai. <i>Atmospheric Pollution Research</i> , <b>2014</b> , 5, 639-647	4.5	28
135	Mixing state and hygroscopicity of dust and haze particles before leaving Asian continent. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 1044-1059	4.4	52
134	Design and characterization of a smog chamber for studying gas-phase chemical mechanisms and aerosol formation. <i>Atmospheric Measurement Techniques</i> , <b>2014</b> , 7, 301-313	4	59
133	Selective Extraction of Bio-oil from Hydrothermal Liquefaction of <i>Salix psammophila</i> by Organic Solvents with Different Polarities through Multistep Extraction Separation. <i>BioResources</i> , <b>2014</b> , 9,	1.3	39
132	Using hourly measurements to explore the role of secondary inorganic aerosol in PM <sub>2.5</sub> during haze and fog in Hangzhou, China. <i>Advances in Atmospheric Sciences</i> , <b>2014</b> , 31, 1427-1434	2.9	45

131	Magnetic activated carbon prepared from rice straw-derived hydrochar for triclosan removal. <i>RSC Advances</i> , <b>2014</b> , 4, 63620-63626	3.7	63
130	Sources of variation in simulated ecosystem carbon storage capacity from the 5th Climate Model Intercomparison Project (CMIP5). <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>2014</b> , 66, 22568	3.3	13
129	The Impact of Nonlocal Ammonia on Submicron Particulate Matter and Visibility Degradation in Urban Shanghai. <i>Advances in Meteorology</i> , <b>2014</b> , 2014, 1-12	1.7	8
128	Characterization of aerosol optical properties, chemical composition and mixing states in the winter season in Shanghai, China. <i>Journal of Environmental Sciences</i> , <b>2014</b> , 26, 2412-22	6.4	8
127	Fog Formation in Cold Season in Jiān, China: Case Analyses with Application of HYSPLIT Model. <i>Advances in Meteorology</i> , <b>2014</b> , 2014, 1-8	1.7	3
126	Hygroscopicity and optical properties of alkylammonium sulfates. <i>Journal of Environmental Sciences</i> , <b>2014</b> , 26, 37-43	6.4	8
125	Size Distribution and Optical Properties of Ambient Aerosols during Autumn in Orleans, France. <i>Aerosol and Air Quality Research</i> , <b>2014</b> , 14, 744-755	4.6	2
124	Hydrothermal Liquefaction of Water Hyacinth: Product Distribution and Identification. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2013</b> , 35, 1349-1357	1.6	14
123	Hygroscopic growth of urban aerosol particles during the 2009 Mirage-Shanghai Campaign. <i>Atmospheric Environment</i> , <b>2013</b> , 64, 263-269	5.3	52
122	Measurements of surface cloud condensation nuclei and aerosol activity in downtown Shanghai. <i>Atmospheric Environment</i> , <b>2013</b> , 69, 354-361	5.3	29
121	Consecutive transport of anthropogenic air masses and dust storm plume: Two case events at Shanghai, China. <i>Atmospheric Research</i> , <b>2013</b> , 127, 22-33	5.4	46
120	Aerosol single scattering albedo affected by chemical composition: An investigation using CRDS combined with MARGA. <i>Atmospheric Research</i> , <b>2013</b> , 124, 149-157	5.4	22
119	Correction to Microscopic Evaluation of Trace Metals in Cloud Droplets in an Acid Precipitation Region. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 6067-6067	10.3	5
118	Determination of organic pollutants in coking wastewater by dispersive liquid-liquid microextraction/GC/MS. <i>Journal of Separation Science</i> , <b>2013</b> , 36, 1644-51	3.4	19
117	Microscopic evaluation of trace metals in cloud droplets in an acid precipitation region. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 4172-80	10.3	43
116	Reaction of NO(2) with selected conjugated alkenes. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 14132-40.8	7	
115	Transesterification of Jatropha Oil to Biodiesel by Using Catalyst Containing Ca(C <sub>3</sub> H <sub>7</sub> O <sub>3</sub> ) <sub>2</sub> as a Solid Base Catalyst. <i>Advanced Materials Research</i> , <b>2013</b> , 666, 93-102	0.5	3
114	Megacity impacts on regional ozone formation: observations and WRF-Chem modeling for the MIRAGE-Shanghai field campaign. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 5655-5669	6.8	109

113	Effects of Ammonia and Amines on Heterogeneous Oxidation of Carbonyl Sulfide on Hematite. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , <b>2013</b> , 29, 2027-2034	3.8	2
112	A case study of the highly time-resolved evolution of aerosol chemical and optical properties in urban Shanghai, China. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 3931-3944	6.8	45
111	Hydrothermal Liquefaction of Desert Shrub <i>Salix psammophila</i> to High Value-added Chemicals and Hydrochar with Recycled Processing Water. <i>BioResources</i> , <b>2013</b> , 8,	1.3	37
110	Urban Aerosol Characteristics during the World Expo 2010 in Shanghai. <i>Aerosol and Air Quality Research</i> , <b>2013</b> , 13, 36-48	4.6	13
109	Agricultural Fires and Their Potential Impacts on Regional Air Quality over China. <i>Aerosol and Air Quality Research</i> , <b>2013</b> , 13, 992-1001	4.6	41
108	Source and deposition of polycyclic aromatic hydrocarbons to Shanghai, China. <i>Journal of Environmental Sciences</i> , <b>2012</b> , 24, 116-23	6.4	19
107	Rush-hour aromatic and chlorinated hydrocarbons in selected subway stations of Shanghai, China. <i>Journal of Environmental Sciences</i> , <b>2012</b> , 24, 131-41	6.4	17
106	CFD modeling of a UV-LED photocatalytic odor abatement process in a continuous reactor. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 215-216, 25-31	12.8	47
105	A simplified electrospray ionization source based on electrostatic field induction for mass spectrometric analysis of droplet samples. <i>Analyst, The</i> , <b>2012</b> , 137, 5743-8	5	7
104	Solubility of iron from combustion source particles in acidic media linked to iron speciation. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 11119-27	10.3	57
103	Evolution of the mixing state of fine aerosols during haze events in Shanghai. <i>Atmospheric Research</i> , <b>2012</b> , 104-105, 193-201	5.4	62
102	Measurements of surface aerosol optical properties in winter of Shanghai. <i>Atmospheric Research</i> , <b>2012</b> , 109-110, 25-35	5.4	54
101	Diurnal variations of organic molecular tracers and stable carbon isotopic composition in atmospheric aerosols over Mt. Tai in the North China Plain: an influence of biomass burning. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 8359-8375	6.8	112
100	Conducting polymers in environmental analysis. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2012</b> , 39, 163-179	14.6	90
99	Liquefaction of Macroalgae <i>Enteromorpha prolifera</i> in Sub-/Supercritical Alcohols: Direct Production of Ester Compounds. <i>Energy &amp; Fuels</i> , <b>2012</b> , 26, 2342-2351	4.1	100
98	Single particle analysis of amines in ambient aerosol in Shanghai. <i>Environmental Chemistry</i> , <b>2012</b> , 9, 202	3.2	47
97	A parameterization of low visibilities for hazy days in the North China Plain. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 4935-4950	6.8	102
96	Morphology, composition and mixing state of individual carbonaceous aerosol in urban Shanghai. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 693-707	6.8	80



95	Columnar Optical Depth and Vertical Distribution of Aerosols over Shanghai. <i>Aerosol and Air Quality Research</i> , <b>2012</b> , 12, 320-330	4.6	4
94	Aerosol Size Spectra and Particle Formation Events at Urban Shanghai in Eastern China. <i>Aerosol and Air Quality Research</i> , <b>2012</b> , 12, 1362-1372	4.6	33
93	Size-resolved hygroscopicity of submicrometer urban aerosols in Shanghai during wintertime. <i>Atmospheric Research</i> , <b>2011</b> , 99, 353-364	5.4	40
92	Monitoring optical properties of aerosols with cavity ring-down spectroscopy. <i>Journal of Aerosol Science</i> , <b>2011</b> , 42, 277-284	4.3	22
91	Size-resolved and bulk activation properties of aerosols in the North China Plain. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 3835-3846	6.8	95
90	An Improved Oddy Test Using Metal Films. <i>Studies in Conservation</i> , <b>2011</b> , 56, 138-153	0.6	8
89	Potential particulate pollution derived from UV-induced degradation of odorous dimethyl sulfide. <i>Journal of Environmental Sciences</i> , <b>2011</b> , 23, 51-9	6.4	9
88	Hygroscopicity and evaporation of ammonium chloride and ammonium nitrate: Relative humidity and size effects on the growth factor. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 2349-2355	5.3	66
87	Fog water chemistry in Shanghai. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 4034-4041	5.3	48
86	Insights into summertime haze pollution events over Shanghai based on online water-soluble ionic composition of aerosols. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 5131-5137	5.3	203
85	Hygroscopicity of ambient submicron particles in urban Hangzhou, China. <i>Frontiers of Environmental Science and Engineering in China</i> , <b>2011</b> , 5, 342-347		12
84	Characterization of polycyclic aromatic hydrocarbons in fog-rain events. <i>Journal of Environmental Monitoring</i> , <b>2011</b> , 13, 2988-93		30
83	Particle size distribution and polycyclic aromatic hydrocarbons emissions from agricultural crop residue burning. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 5477-82	10.3	160
82	Dimethyl Sulfide Photocatalytic Degradation in a Light-Emitting-Diode Continuous Reactor: Kinetic and Mechanistic Study. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 7977-7984	3.9	54
81	Important role of ammonia on haze formation in Shanghai. <i>Environmental Research Letters</i> , <b>2011</b> , 6, 024019	6.9	86
80	Insights into Ammonium Particle-to-Gas Conversion: Non-sulfate Ammonium Coupling with Nitrate and Chloride. <i>Aerosol and Air Quality Research</i> , <b>2010</b> , 10, 589-595	4.6	49
79	Chemical characterization of aerosols over the Atlantic Ocean and the Pacific Ocean during two cruises in 2007 and 2008. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		21
78	Evidence for high molecular weight nitrogen-containing organic salts in urban aerosols. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 4441-6	10.3	79

77	Hydrothermal Liquefaction of Macroalgae <i>Enteromorpha prolifera</i> to Bio-oil. <i>Energy &amp; Fuels</i> , <b>2010</b> , 24, 4054-4061	4.1	421
76	Molecular characterization of urban organic aerosol in tropical India: contributions of primary emissions and secondary photooxidation. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 2663-2689	6.8	151
75	Real-time, single-particle measurements of ambient aerosols in Shanghai. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , <b>2010</b> , 5, 331-341		2
74	Physical characterization of aerosol particles during the Chinese New Year firework events. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 5191-5198	5.3	85
73	A Large Scale Separation of Taxanes from the Bark Extract of <i>Taxus yunnanesis</i> and <sup>1</sup> H- and <sup>13</sup> C-NMR Assignments for 7-epi-10-Deacetyltaxol. <i>Chinese Journal of Chemistry</i> , <b>2010</b> , 19, 82-90	4.9	6
72	Synchronous role of coupled adsorption and photocatalytic oxidation on ordered mesoporous anatase TiO <sub>2</sub> /BiO <sub>2</sub> nanocomposites generating excellent degradation activity of RhB dye. <i>Applied Catalysis B: Environmental</i> , <b>2010</b> , 95, 197-207	21.8	137
71	Agricultural Fire Impacts on the Air Quality of Shanghai during Summer Harvesttime. <i>Aerosol and Air Quality Research</i> , <b>2010</b> , 10, 95-101	4.6	52
70	Hygroscopicity of Inorganic Aerosols: Size and Relative Humidity Effects on the Growth Factor. <i>Aerosol and Air Quality Research</i> , <b>2010</b> , 10, 255-264	4.6	76
69	Synthesis of small crystal zeolite beta in a biphasic H <sub>2</sub> O/TAB/cetanol system. <i>Materials Letters</i> , <b>2009</b> , 63, 343-345	3.3	12
68	Continuous measurement of peroxyacetyl nitrate (PAN) in suburban and remote areas of western China. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 228-237	5.3	73
67	Direct quantification of organic acids in aerosols by desorption electrospray ionization mass spectrometry. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 2717-2720	5.3	25
66	Single particle mass spectrometry of oxalic acid in ambient aerosols in Shanghai: Mixing state and formation mechanism. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 3876-3882	5.3	91
65	Laboratory simulation of SO <sub>2</sub> heterogeneous reactions on hematite surface under different SO <sub>2</sub> concentrations. <i>Journal of Environmental Sciences</i> , <b>2009</b> , 21, 1103-7	6.4	4
64	Determination of alkyl polycyclic aromatic hydrocarbons in dustfall by supercritical fluid extraction followed by gas chromatography/mass spectrum. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2009</b> , 82, 189-93	2.7	11
63	A multifunctional HTDMA system with a robust temperature control. <i>Advances in Atmospheric Sciences</i> , <b>2009</b> , 26, 1235-1240	2.9	15
62	Direct quantification of PAHs in biomass burning aerosols by desorption electrospray ionization mass spectrometry. <i>International Journal of Mass Spectrometry</i> , <b>2009</b> , 281, 31-36	1.9	23
61	Particulate nitrate formation in a highly polluted urban area: a case study by single-particle mass spectrometry in Shanghai. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 3061-6	10.3	79
60	Source apportionment of lead-containing aerosol particles in Shanghai using single particle mass spectrometry. <i>Chemosphere</i> , <b>2009</b> , 74, 501-7	8.4	104

59	Photoinduced Formation of Fe(III) Sulfate Complexes on the Surface of Fe <sub>2</sub> O <sub>3</sub> and Their Photochemical Performance. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 11316-11322	3.8	14
58	Distribution and source of alkyl polycyclic aromatic hydrocarbons in dustfall in Shanghai, China: the effect on the coastal area. <i>Journal of Environmental Monitoring</i> , <b>2009</b> , 11, 187-92		18
57	A laboratory study of agricultural crop residue combustion in China: Emission factors and emission inventory. <i>Atmospheric Environment</i> , <b>2008</b> , 42, 8432-8441	5.3	163
56	Photocatalytic degradation of RhB by fluorinated Bi <sub>2</sub> WO <sub>6</sub> and distributions of the intermediate products. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 2085-91	10.3	321
55	Mesoporous bismuth titanate with visible-light photocatalytic activity. <i>Chemical Communications</i> , <b>2008</b> , 4977-9	5.8	44
54	Electrodeposited polyaniline as a fiber coating for solid-phase microextraction of organochlorine pesticides from water. <i>Journal of Separation Science</i> , <b>2008</b> , 31, 2839-45	3.4	48
53	Synthesis and Structural Studies of 1-Deoxybaccatin VI Derivatives. <i>Chinese Journal of Chemistry</i> , <b>2008</b> , 26, 1870-1878	4.9	3
52	Rapid analysis of SVOC in aerosols by desorption electrospray ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2008</b> , 19, 450-4	3.5	24
51	Characteristics of trace elements and lead isotope ratios in PM(2.5) from four sites in Shanghai. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 156, 36-43	12.8	112
50	Flavonoid triglycosides from the seeds of <i>Camellia oleifera</i> Abel. <i>Chinese Chemical Letters</i> , <b>2008</b> , 19, 1318-1318	16	
49	Polythiophene as a novel fiber coating for solid-phase microextraction. <i>Journal of Chromatography A</i> , <b>2008</b> , 1198-1199, 7-13	4.5	52
48	Heterogeneous uptake of carbonyl sulfide on hematite and hematite-NaCl mixtures. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 6484-90	10.3	21
47	Heterogeneous Uptake and Oxidation of SO <sub>2</sub> on Iron Oxides. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 6077-6085	3.8	172
46	Benz[a]anthracene Heterogeneous Photochemical Reaction on the Surface of TiO <sub>2</sub> Particles. <i>Acta Physico-chimica Sinica</i> , <b>2007</b> , 23, 1531-1536		9
45	Heterogeneous chemistry of organic acids on soot surfaces. <i>Journal of Physical Chemistry A</i> , <b>2007</b> , 111, 4804-14	2.8	23
44	Analysis of chloro- and nitrobenzenes in water by a simple polyaniline-based solid-phase microextraction coupled with gas chromatography. <i>Journal of Chromatography A</i> , <b>2007</b> , 1140, 21-8	4.5	53
43	Modeling secondary organic aerosol formation through cloud processing of organic compounds. <i>Atmospheric Chemistry and Physics</i> , <b>2007</b> , 7, 5343-5355	6.8	64
42	Climatology of aerosol radiative properties in northern China. <i>Atmospheric Research</i> , <b>2007</b> , 84, 132-141	5.4	8

41	Controllable and repeatable synthesis of thermally stable anatase nanocrystal-silica composites with highly ordered hexagonal mesostructures. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 13894-904	16.4	216
40	The ion chemistry, seasonal cycle, and sources of PM2.5 and TSP aerosol in Shanghai. <i>Atmospheric Environment</i> , <b>2006</b> , 40, 2935-2952	5.3	399
39	A comparison of dust properties between China continent and Korea, Japan in East Asia. <i>Atmospheric Environment</i> , <b>2006</b> , 40, 5787-5797	5.3	49
38	Polycyclic aromatic hydrocarbons in dust from computers: one possible indoor source of human exposure. <i>Atmospheric Environment</i> , <b>2006</b> , 40, 6956-6965	5.3	38
37	Determination of PAHs in dust from Shanghai by optimized SFE and GC/MS. <i>Annali Di Chimica</i> , <b>2006</b> , 96, 669-80		7
36	Synthesis and Antitumor Activity of 20-O-Linked Succinate-Based Camptothecin Ester Derivatives. <i>Letters in Drug Design and Discovery</i> , <b>2006</b> , 3, 83-86	0.8	5
35	Diastereomers of dibromo-7-epi-10-deacetylcephalomannine: crowded and cytotoxic taxanes exhibit halogen bonds. <i>Journal of Medicinal Chemistry</i> , <b>2006</b> , 49, 1891-9	8.3	72
34	Heterogeneous reactions of sulfur dioxide on typical mineral particles. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 12588-96	3.4	110
33	Conversion of taxane glycosides to 10-deacetylbaaccatin III. <i>Natural Product Research</i> , <b>2006</b> , 20, 119-24	2.3	7
32	Heterogeneous reactions of methylglyoxal in acidic media: implications for secondary organic aerosol formation. <i>Environmental Science &amp; Technology</i> , <b>2006</b> , 40, 7682-7	10.3	156
31	Heterogeneous photocatalytic decomposition of benzene on lanthanum-doped TiO <sub>2</sub> film at ambient temperature. <i>Chemosphere</i> , <b>2006</b> , 65, 2282-8	8.4	42
30	Synthesis and crystal structure of 7,9-dideacetyl-1-deoxybaaccatinVI. <i>Journal of Chemical Crystallography</i> , <b>2006</b> , 36, 337-341	0.5	7
29	Distribution and source of polycyclic aromatic hydrocarbons (PAHs) on dust collected in Shanghai, People's Republic of China. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2006</b> , 76, 442-9	2.7	18
28	Synthesis and crystal structure of 2-debenzoyl and 4-deacetyl 1-deoxybaaccatin VI derivatives. <i>Journal of Molecular Structure</i> , <b>2005</b> , 738, 59-65	3.4	8
27	A lead isotope record of shanghai atmospheric lead emissions in total suspended particles during the period of phasing out of leaded gasoline. <i>Atmospheric Environment</i> , <b>2005</b> , 39, 1245-1253	5.3	219
26	Crystallographic determination of stereochemistry of biologically active 2'',3''-dibromo-7-epi-10-deacetylcephalomannine. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2005</b> , 15, 839-42	2.9	7
25	Photooxidation of carbonyl sulfide in the presence of the typical oxides in atmospheric aerosol. <i>Science in China Series B: Chemistry</i> , <b>2005</b> , 48, 31-37		7
24	Speciation of the elements and compositions on the surfaces of dust storm particles: The evidence for the coupling of iron with sulfur in aerosol during the long-range trans-port. <i>Science Bulletin</i> , <b>2005</b> , 50, 738		

23	Preparation and evaluation of new brominated paclitaxel analogues. <i>Journal of Asian Natural Products Research</i> , <b>2005</b> , 7, 231-6	1.5	
22	Mechanism of the heteroge-neous reaction of carbonyl sulfide with typical compo-nents of atmospheric aerosol. <i>Science Bulletin</i> , <b>2004</b> , 49, 1231		8
21	Catalytic oxidation of CS <sub>2</sub> over atmospheric particles and oxide catalysts. <i>Science in China Series B: Chemistry</i> , <b>2001</b> , 44, 587-595		5
20	Carbonyl sulfide derived from catalytic oxidation of carbon disulfide over atmospheric particles. <i>Environmental Science &amp; Technology</i> , <b>2001</b> , 35, 2543-7	10.3	22
19	LARGE-SCALE PROCESS FOR HIGH PURITY TAXOL FROM BARK EXTRACT OF TAXUS YUNNANESIS. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2000</b> , 23, 2499-2512	1.3	4
18	Temperature-programmed desorption of pyridine on solid superacids. <i>Materials Chemistry and Physics</i> , <b>1996</b> , 45, 220-222	4.4	4
17	Studies on SO <sub>2</sub> promoted mixed oxide superacids. <i>Catalysis Letters</i> , <b>1996</b> , 37, 187-191	2.8	44
16	Electroanalytical studies of chlorophylls and their determination. <i>Electroanalysis</i> , <b>1991</b> , 3, 827-831	3	
15	Mechanism of poisoning of the V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> catalyst for the reduction of NO by NH <sub>3</sub> . <i>Journal of Catalysis</i> , <b>1990</b> , 125, 411-420	7.3	198
14	Toxic potency-adjusted control of air pollution for solid fuel combustion. <i>Nature Energy</i> ,	62.3	9
13	Morphology, composition and mixing state of individual carbonaceous aerosol in urban Shanghai		2
12	A case study of the highly time-resolved evolution of aerosol chemical and optical properties in urban Shanghai, China		1
11	Variations of Cloud Condensation Nuclei (CCN) and aerosol activity during fog-haze episode: a case study from Shanghai		1
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1	More Than Concentration Reduction: Contributions of Oxidation Technologies to Alleviating Aerosol Toxicity from Diesel Engines. <i>Environmental Science and Technology Letters</i> ,	11 1