Xin Yang

List of Publications by Citations

138 papers	5,920 citations	43 h-index	70 g-index
151 ext. papers	6,843 ext. citations	7.7 avg, IF	5.47 L-index

#	Paper	IF	Citations
138	Synthesis of the H-cluster framework of iron-only hydrogenase. *Nature*, **2005**, 433, 610-3	50.4	467
137	Responses of ecosystem nitrogen cycle to nitrogen addition: a meta-analysis. *New Phytologist*, **2011**, 189, 1040-1050	9.8	279
136	Atmospheric new particle formation from sulfuric acid and amines in a Chinese megacity. *Science*, **2018**, 361, 278-281	33.3	265
135	Structure of the Na(x)Cl(x+1) (-) (x=1-4) clusters via ab initio genetic algorithm and photoelectron spectroscopy. *Journal of Chemical Physics*, **2004**, 121, 5709-19	3.9	247
134	Bulk-like features in the photoemission spectra of hydrated doubly charged anion clusters. *Science*, **2001**, 294, 1322-5	33.3	171
133	Characteristics and ship traffic source identification of air pollutants in China's largest port. *Atmospheric Environment*, **2013**, 64, 277-286	5.3	144
132	Spatial and Seasonal Dynamics of Ship Emissions over the Yangtze River Delta and East China Sea and Their Potential Environmental Influence. *Environmental Science & Technology*, **2016**, 50, 1322-9	10.3	129
131	Direct experimental observation of the low ionization potentials of guanine in free oligonucleotides by using photoelectron spectroscopy. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 17588-92	11.5	124
130	Source apportionment of lead-containing aerosol particles in Shanghai using single particle mass spectrometry. *Chemosphere*, **2009**, 74, 501-7	8.4	104
129	Molecular characterization of organosulfates in organic aerosols from Shanghai and Los Angeles urban areas by nanospray-desorption electrospray ionization high-resolution mass spectrometry. *Environmental Science & Technology*, **2014**, 48, 10993-1001	10.3	102
128	Single particle mass spectrometry of oxalic acid in ambient aerosols in Shanghai: Mixing state and formation mechanism. *Atmospheric Environment*, **2009**, 43, 3876-3882	5.3	91
127	Conducting polymers in environmental analysis. *TrAC - Trends in Analytical Chemistry*, **2012**, 39, 163-179	14.6	90
126	Shipping emissions and their impacts on air quality in China. *Science of the Total Environment*, **2017**, 581-582, 186-198	10.2	89
125	Important role of ammonia on haze formation in Shanghai. *Environmental Research Letters*, **2011**, 6, 024019	6.2	86
124	Physical characterization of aerosol particles during the Chinese New Years firework events. *Atmospheric Environment*, **2010**, 44, 5191-5198	5.3	85
123	Evidence for high molecular weight nitrogen-containing organic salts in urban aerosols. *Environmental Science & Technology*, **2010**, 44, 4441-6	10.3	79
122	Particulate nitrate formation in a highly polluted urban area: a case study by single-particle mass spectrometry in Shanghai. *Environmental Science & Technology*, **2009**, 43, 3061-6	10.3	79

121	Influence of Ship Emissions on Urban Air Quality: A Comprehensive Study Using Highly Time-Resolved Online Measurements and Numerical Simulation in Shanghai. *Environmental Science & Technology*, **2017**, 51, 202-211	10.3	76
120	Hygroscopicity of Inorganic Aerosols: Size and Relative Humidity Effects on the Growth Factor. *Aerosol and Air Quality Research*, **2010**, 10, 255-264	4.6	76
119	Airborne submicron particulate (PM1) pollution in Shanghai, China: chemical variability, formation/dissociation of associated semi-volatile components and the impacts on visibility. *Science of the Total Environment*, **2014**, 473-474, 199-206	10.2	73
118	Intense secondary aerosol formation due to strong atmospheric photochemical reactions in summer: observations at a rural site in eastern Yangtze River Delta of China. *Science of the Total Environment*, **2016**, 571, 1454-66	10.2	72
117	Photodetachment of Hydrated Sulfate Doubly Charged Anions: SO42-(H2O)n (n = 4□40)□ *Journal of Physical Chemistry A*, **2002**, 106, 7607-7616	2.8	69
116	Photodetachment and theoretical study of free and water-solvated nitrate anions, NO3□(H2O)n (n=0□3). *Journal of Chemical Physics*, **2002**, 116, 561-570	3.9	69
115	Probing solution-phase species and chemistry in the gas phase. *International Reviews in Physical Chemistry*, **2002**, 21, 473-498	7	67
114	Hygroscopicity and evaporation of ammonium chloride and ammonium nitrate: Relative humidity and size effects on the growth factor. *Atmospheric Environment*, **2011**, 45, 2349-2355	5.3	66
113	Probing the intrinsic electronic structure of the cubane [4Fe-4S] cluster: nature's favorite cluster for electron transfer and storage. *Journal of the American Chemical Society*, **2003**, 125, 14072-81	16.4	63
112	Evolution of the mixing state of fine aerosols during haze events in Shanghai. *Atmospheric Research* , **2012**, 104-105, 193-201	5.4	62
111	Size distribution and mixing state of black carbon particles during a heavy air pollution episode in Shanghai. *Atmospheric Chemistry and Physics*, **2016**, 16, 5399-5411	6.8	58
110	Competitive fluorescence assay for specific recognition of atrazine by magnetic molecularly imprinted polymer based on Fe3O4-chitosan. *Carbohydrate Polymers*, **2016**, 137, 75-81	10.3	56
109	Size distribution of particle-phase sugar and nitrophenol tracers during severe urban haze episodes in Shanghai. *Atmospheric Environment*, **2016**, 145, 115-127	5.3	54
108	Gold dichloride and gold dibromide with gold atoms in three different oxidation states. *Angewandte Chemie - International Edition*, **2003**, 42, 311-4	16.4	54
107	Bulk versus interfacial aqueous solvation of dicarboxylate dianions. *Journal of the American Chemical Society*, **2004**, 126, 11691-8	16.4	53
106	Hygroscopic growth of urban aerosol particles during the 2009 Mirage-Shanghai Campaign. *Atmospheric Environment*, **2013**, 64, 263-269	5.3	52
105	Photoelectron Spectroscopy of Free Polyoxoanions Mo6O192- and W6O192- in the Gas Phase. *Journal of Physical Chemistry A*, **2004**, 108, 10089-10093	2.8	50
104	Insights into Ammonium Particle-to-Gas Conversion: Non-sulfate Ammonium Coupling with Nitrate and Chloride. *Aerosol and Air Quality Research*, **2010**, 10, 589-595	4.6	49

103	Photodetachment of F(H2O)n (n=14): Observation of charge-transfer states [F(H2O)n+] and the transition state of F+H2O hydrogen abstraction reaction. *Journal of Chemical Physics*, **2001**, 115, 2889-2892	3.9	49
102	Ozone and daily mortality rate in 21 cities of East Asia: how does season modify the association?. *American Journal of Epidemiology*, **2014**, 180, 729-36	3.8	47
101	Single particle analysis of amines in ambient aerosol in Shanghai. *Environmental Chemistry*, **2012**, 9, 202	3.2	47
100	On the electronic structures of gaseous transition metal halide complexes, FeX4and MX3 (M=Mn, Fe, Co, Ni, X=Cl, Br), using photoelectron spectroscopy and density functional calculations. *Journal of Chemical Physics*, **2003**, 119, 8311-8320	3.9	47
99	The effects of firework regulation on air quality and public health during the Chinese Spring Festival from 2013 to 2017 in a Chinese megacity. *Environment International*, **2019**, 126, 96-106	12.9	47
98	Direct measurement of the hydrogen-bonding effect on the intrinsic redox potentials of [4Fe-4S] cubane complexes. *Journal of the American Chemical Society*, **2004**, 126, 15790-4	16.4	46
97	Solvation of the Azide Anion (N3-) in Water Clusters and Aqueous Interfaces: A Combined Investigation by Photoelectron Spectroscopy, Density Functional Calculations, and Molecular Dynamics Simulations *Journal of Physical Chemistry A*, **2004**, 108, 7820-7826	2.8	44
96	Size distributions of polycyclic aromatic hydrocarbons in urban atmosphere: sorption mechanism and source contributions to respiratory deposition. *Atmospheric Chemistry and Physics*, **2016**, 16, 2971-2983	6.8	43
95	Reactions of Atmospheric Particulate Stabilized Criegee Intermediates Lead to High-Molecular-Weight Aerosol Components. *Environmental Science & Technology*, **2016**, 50, 5702-10	10.3	43
94	Photodetachment of zwitterions: probing intramolecular coulomb repulsion and attraction in the gas phase using pyridinium dicarboxylate anions. *Journal of the American Chemical Society*, **2003**, 125, 296-304	16.4	41
93	Effects of amines on particle growth observed in new particle formation events. *Journal of Geophysical Research D: Atmospheres*, **2016**, 121, 324-335	4.4	41
92	Observations of linear dependence between sulfate and nitrate in atmospheric particles. *Journal of Geophysical Research D: Atmospheres*, **2014**, 119, 341-361	4.4	40
91	Size-resolved hygroscopicity of submicrometer urban aerosols in Shanghai during wintertime. *Atmospheric Research*, **2011**, 99, 353-364	5.4	40
90	Solvent-mediated folding of a doubly charged anion. *Journal of the American Chemical Society*, **2004**, 126, 876-83	16.4	39
89	Experimental and Theoretical Investigations of the Stability, Energetics, and Structures of H2PO4-, H2P2O72-, and H3P3O102-in the Gas Phase. *Journal of Physical Chemistry A*, **2001**, 105, 10468-10474	2.8	39
88	Size-resolved effective density of urban aerosols in Shanghai. *Atmospheric Environment*, **2015**, 100, 133-140	3.9	38
87	Photodetachment of hydrated oxalate dianions in the gas phase, C2O42(H2O)n (n=340): From solvated clusters to nanodroplet. *Journal of Chemical Physics*, **2003**, 119, 3631-3640	3.9	37
86	Multi-pollutant emissions from the burning of major agricultural residues in China and the related health-economic effects. *Atmospheric Chemistry and Physics*, **2017**, 17, 4957-4988	6.8	34

85	Insights into different nitrate formation mechanisms from seasonal variations of secondary inorganic aerosols in Shanghai. *Atmospheric Environment*, **2016**, 145, 1-9	5.3	34
84	Photochemical Aging of Guaiacol by Fe(III)-Oxalate Complexes in Atmospheric Aqueous Phase. *Environmental Science & Technology*, **2019**, 53, 127-136	10.3	34
83	Online single particle measurement of fireworks pollution during Chinese New Year in Nanning. *Journal of Environmental Sciences*, **2017**, 53, 184-195	6.4	32
82	Real-World Emission Factors of Gaseous and Particulate Pollutants from Marine Fishing Boats and Their Total Emissions in China. *Environmental Science & Technology*, **2018**, 52, 4910-4919	10.3	32
81	High Time- and Size-Resolved Measurements of PM and Chemical Composition from Coal Combustion: Implications for the EC Formation Process. *Environmental Science & Technology*, **2018**, 52, 6676-6685	10.3	32
80	Changes in the SO Level and PM Components in Shanghai Driven by Implementing the Ship Emission Control Policy. *Environmental Science & Technology*, **2019**, 53, 11580-11587	10.3	31
79	Photoinduced Reactions in the Ion□Molecule Complexes Mg+□XCH3 (X = F, Cl). *Journal of Physical Chemistry A*, **2000**, 104, 8496-8504	2.8	31
78	Physiochemical properties of carbonaceous aerosol from agricultural residue burning: Density, volatility, and hygroscopicity. *Atmospheric Environment*, **2016**, 140, 94-105	5.3	30
77	Online hygroscopicity and chemical measurement of urban aerosol in Shanghai, China. *Atmospheric Environment*, **2014**, 95, 318-326	5.3	28
76	Size-resolved chemical composition, effective density, and optical properties of biomass burning particles. *Atmospheric Chemistry and Physics*, **2017**, 17, 7481-7493	6.8	28
75	Probing the Electronic Structure of the Di-Iron Subsite of [Fe]-Hydrogenase: A Photoelectron Spectroscopic Study of Fe(I)□Fe(I) Model Complexes. *Journal of Physical Chemistry A*, **2003**, 107, 4612-4618	2.8	28
74	Nitrite-Mediated Photooxidation of Vanillin in the Atmospheric Aqueous Phase. *Environmental Science & Technology*, **2019**, 53, 14253-14263	10.3	28
73	Long-range and regional transported size-resolved atmospheric aerosols during summertime in urban Shanghai. *Science of the Total Environment*, **2017**, 583, 334-343	10.2	27
72	Chemistry-triggered events of PM explosive growth during late autumn and winter in Shanghai, China. *Environmental Pollution*, **2019**, 254, 112864	9.3	27
71	Evolution of biomass burning smoke particles in the dark. *Atmospheric Environment*, **2015**, 120, 244-252	5.3	27
70	On the Electronic Structure of [1Fe] Fe□ Complexes from Anionic Photoelectron Spectroscopy. *Journal of Physical Chemistry A*, **2003**, 107, 1703-1709	2.8	27
69	Collision-induced dissociation and photodetachment of singly and doubly charged anionic polynuclear transition metal carbonyl clusters: Ru3Co(CO)13□Ru6C(CO)162□and Ru6(CO)182□ *Journal of Chemical Physics*, **2002**, 116, 6560-6566	3.9	26
68	Direct quantification of organic acids in aerosols by desorption electrospray ionization mass spectrometry. *Atmospheric Environment*, **2009**, 43, 2717-2720	5.3	25

67	Interactions between Heterogeneous Uptake and Adsorption of Sulfur Dioxide and Acetaldehyde on Hematite. *Journal of Physical Chemistry A*, **2015**, 119, 4001-8	2.8	24
66	Characteristics of atmospheric ammonia and its relationship with vehicle emissions in a megacity in China. *Atmospheric Environment*, **2018**, 182, 97-104	5.3	24
65	Uncertainty in Predicting CCN Activity of Aged and Primary Aerosols. *Journal of Geophysical Research D: Atmospheres*, **2017**, 122, 11,723-11,736	4.4	24
64	Rapid analysis of SVOC in aerosols by desorption electrospray ionization mass spectrometry. *Journal of the American Society for Mass Spectrometry*, **2008**, 19, 450-4	3.5	24
63	Insight into winter haze formation mechanisms based on aerosol hygroscopicity and effective density measurements. *Atmospheric Chemistry and Physics*, **2017**, 17, 7277-7290	6.8	23
62	Direct quantification of PAHs in biomass burning aerosols by desorption electrospray ionization mass spectrometry. *International Journal of Mass Spectrometry*, **2009**, 281, 31-36	1.9	23
61	Mechanistic Insight into the Symmetric Fission of [4Fe4S] Analogue Complexes and Implications for Cluster Conversions in Iron□Sulfur Proteins. *Journal of Physical Chemistry A*, **2004**, 108, 6750-6757	2.8	23
60	Photoelectron spectroscopy of the doubly-charged anions [MIVO(mnt)2]2- (M = Mo, W; mnt = S2C2(CN)2(2-): access to the ground and excited states of the [MVO(mnt)2]- anion. *Journal of the American Chemical Society*, **2004**, 126, 5119-29	16.4	23
59	Measuring and Modeling Aerosol: Relationship with Haze Events in Shanghai, China. *Aerosol and Air Quality Research*, **2014**, 14, 783-792	4.6	23
58	Trends in heterogeneous aqueous reaction in continuous haze episodes in suburban Shanghai: An in-depth case study. *Science of the Total Environment*, **2018**, 634, 1192-1204	10.2	22
57	Particle size distribution and respiratory deposition estimates of airborne perfluoroalkyl acids during the haze period in the megacity of Shanghai. *Environmental Pollution*, **2018**, 234, 9-19	9.3	22
56	Monitoring optical properties of aerosols with cavity ring-down spectroscopy. *Journal of Aerosol Science*, **2011**, 42, 277-284	4.3	22
55	Photodissociation spectroscopy of Mg+□C6H5X (X=H, F, Cl, Br). *Journal of Chemical Physics*, **2000**, 112, 10236-10246	3.9	22
54	Emission factors and environmental implication of organic pollutants in PM emitted from various vessels in China. *Atmospheric Environment*, **2019**, 200, 302-311	5.3	22
53	Different formation mechanisms of PAH during wood and coal combustion under different temperatures. *Atmospheric Environment*, **2020**, 222, 117084	5.3	21
52	Size distribution of particle-associated polybrominated diphenyl ethers (PBDEs) and their implications for health. *Atmospheric Measurement Techniques*, **2016**, 9, 1025-1037	4	21
51	Interior and interfacial aqueous solvation of benzene dicarboxylate dianions and their methylated analogues: A combined molecular dynamics and photoelectron spectroscopy study. *Journal of Physical Chemistry A*, **2005**, 109, 5042-9	2.8	20
50	Probing the electronic structure of [MoOS(4)](-) centers using anionic photoelectron spectroscopy. *Journal of the American Chemical Society*, **2002**, 124, 10182-91	16.4	20

49	Collision-induced symmetric fission of doubly-charged cubelike [Fe4S4X4]2□clusters. *International Journal of Mass Spectrometry*, **2003**, 228, 797-805	1.9	19
48	Coulomb- and antiferromagnetic-induced fission in doubly charged cubelike fe-s clusters. *Physical Review Letters*, **2002**, 89, 163401	7.4	19
47	Photo-induced reactions in mass-selected complexes Mg+(FCH3)n, n=1□4. *Journal of Chemical Physics*, **2000**, 113, 3111-3120	3.9	19
46	Seasonal contributions to size-resolved n-alkanes (C-C) in the Shanghai atmosphere from regional anthropogenic activities and terrestrial plant waxes. *Science of the Total Environment*, **2017**, 579, 1918-1928	10.2	17
45	Photofragmentation studies of small selenium cluster cations Sen+ (n=3□8). *Journal of Chemical Physics*, **1999**, 111, 7837-7843	3.9	17
44	Insights into the formation of secondary organic carbon in the summertime in urban Shanghai. *Journal of Environmental Sciences*, **2018**, 72, 118-132	6.4	15
43	A multifunctional HTDMA system with a robust temperature control. *Advances in Atmospheric Sciences*, **2009**, 26, 1235-1240	2.9	15
42	Terminal ligand influence on the electronic structure and intrinsic redox properties of the [Fe4S4]2+ cubane clusters. *Inorganic Chemistry*, **2004**, 43, 3647-55	5.1	15
41	Characterization of typical metal particles during haze episodes in Shanghai, China. *Chemosphere*, **2017**, 181, 259-269	8.4	14
40	Mass resolved photoionization/fragmentation studies of Cr(CO)6 at photon energies of ~8□40 eV. *Journal of Chemical Physics*, **1997**, 107, 4911-4918	3.9	14
39	Probing the electronic structure of [2Fe-2S] clusters with three coordinate iron sites by use of photoelectron spectroscopy. *Journal of Physical Chemistry A*, **2005**, 109, 1815-20	2.8	14
38	Spatially explicit analysis identifies significant potential for bioenergy with carbon capture and storage in China. *Nature Communications*, **2021**, 12, 3159	17.4	14
37	Temporal variations in the hygroscopicity and mixing state of black carbon aerosols in a polluted megacity area. *Atmospheric Chemistry and Physics*, **2018**, 18, 15201-15218	6.8	14
36	The effects of acetaldehyde, glyoxal and acetic acid on the heterogeneous reaction of nitrogen dioxide on gamma-alumina. *Physical Chemistry Chemical Physics*, **2016**, 18, 9367-76	3.6	13
35	In search of covalently bound tetra- and penta-oxygen species: a photoelectron spectroscopic and Ab initio investigation of MO4- and MO5- (M = Li, Na, K, Cs). *Journal of the American Chemical Society*, **2002**, 124, 6742-50	16.4	13
34	A selective photo-induced reaction in the ion-molecule complex Mg+□CH3. *Chemical Physics Letters*, **2000**, 322, 491-495	2.5	13
33	Nitrogen-containing secondary organic aerosol formation by acrolein reaction with ammonia/ammonium. *Atmospheric Chemistry and Physics*, **2019**, 19, 1343-1356	6.8	13
32	Magnetic metal-organic framework nanocomposites for enrichment and direct detection of environmental pollutants by negative-ion matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. *Talanta*, **2019**, 194, 329-335	6.2	13

31	Single particle analysis of ambient aerosols in Shanghai during the World Exposition, 2010: two case studies. *Frontiers of Environmental Science and Engineering in China*, **2011**, 5, 391-401		12
30	The absolute cross sections of photoabsorption, photodissociation, and photoionization of the group VIB metal hexacarbonyls at 300–1600 Å. *Journal of Chemical Physics*, **1997**, 106, 9474-9482	3.9	12
29	Effects of cleaner ship fuels on air quality and implications for future policy: A case study of Chongming Ecological Island in China. *Journal of Cleaner Production*, **2020**, 267, 122088	10.3	12
28	Effect of Formaldehyde on the Heterogeneous Reaction of Nitrogen Dioxide on γ-Alumina. *Journal of Physical Chemistry A*, **2015**, 119, 9317-24	2.8	11
27	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. *Atmospheric Chemistry and Physics*, **2020**, 20, 1549-1564	6.8	11
26	Sequential oxidation of the cubane [4Fe--4S] cluster from [4Fe--4S](-) to [4Fe--4S](3+) in Fe(4)S(4)L(n)(-) complexes. *Journal of the American Chemical Society*, **2004**, 126, 8413-20	16.4	11
25	ROS-generation potential of Humic-like substances (HULIS) in ambient PM in urban Shanghai: Association with HULIS concentration and light absorbance. *Chemosphere*, **2020**, 256, 127050	8.4	10
24	Thermal desorption single particle mass spectrometry of ambient aerosol in Shanghai. *Atmospheric Environment*, **2015**, 123, 407-414	5.3	10
23	Characterization of aerosol optical properties, chemical composition and mixing states in the winter season in Shanghai, China. *Journal of Environmental Sciences*, **2014**, 26, 2412-22	6.4	8
22	Hygroscopicity and optical properties of alkylaminium sulfates. *Journal of Environmental Sciences*, **2014**, 26, 37-43	6.4	8
21	Resonant two-photon ionization spectra of van der Waals complexes p, m, o-C6H4F2?NH3(ND3). *Journal of Chemical Physics*, **1999**, 111, 134-139	3.9	8
20	Impact of adsorbed nitrate on the heterogeneous conversion of SO on α-FeO in the absence and presence of simulated solar irradiation. *Science of the Total Environment*, **2019**, 649, 1393-1402	10.2	8
19	Impacts of Chemical Degradation on the Global Budget of Atmospheric Levoglucosan and Its Use As a Biomass Burning Tracer. *Environmental Science & Technology*, **2021**, 55, 5525-5536	10.3	8
18	Increasing surface ozone and enhanced secondary organic carbon formation at a city junction site: An epitome of the Yangtze River Delta, China (2014-2017). *Environmental Pollution*, **2020**, 265, 114847	9.3	7
17	A simplified electrospray ionization source based on electrostatic field induction for mass spectrometric analysis of droplet samples. *Analyst, The*, **2012**, 137, 5743-8	5	7
16	Direct links between hygroscopicity and mixing state of ambient aerosols: estimating particle hygroscopicity from their single-particle mass spectra. *Atmospheric Chemistry and Physics*, **2020**, 20, 6273-6290	6.8	6
15	Source assessment of atmospheric fine particulate matter in a Chinese megacity: Insights from long-term, high-time resolution chemical composition measurements from Shanghai flagship monitoring supersite. *Chemosphere*, **2020**, 251, 126598	8.4	6
14	Online single particle analysis of chemical composition and mixing state of crop straw burning particles: from laboratory study to field measurement. *Frontiers of Environmental Science and Engineering*, **2016**, 10, 244-252	5.8	6

13	Impact of heterogeneous uptake of nitrogen dioxide on the conversion of acetaldehyde on gamma-alumina in the absence and presence of simulated solar irradiation. *Atmospheric Environment*, **2018**, 187, 282-291	5.3	6
12	Chemical characterization and source identification of submicron aerosols from a year-long real-time observation at a rural site of Shanghai using an Aerosol Chemical Speciation Monitor. *Atmospheric Research*, **2020**, 246, 105154	5.4	6
11	Size-Resolved Mixing States and Sources of Amine-Containing Particles in the East China Sea. *Journal of Geophysical Research D: Atmospheres*, **2020**, 125, e2020JD033162	4.4	6
10	Air quality in the middle and lower reaches of the Yangtze River channel: a cruise campaign. *Atmospheric Chemistry and Physics*, **2018**, 18, 14445-14464	6.8	6
9	Dynamic Ni/V Ratio in the Ship-Emitted Particles Driven by Multiphase Fuel Oil Regulations in Coastal China. *Environmental Science & Technology*, **2021**, 55, 15031-15039	10.3	4
8	Particle-Phase Photoreactions of HULIS and TMIs Establish a Strong Source of HO and Particulate Sulfate in the Winter North China Plain. *Environmental Science & Technology*, **2021**, 55, 7818-7830	10.3	4
7	Probing the Electronic Structure of Fe?S Clusters: Ubiquitous Electron Transfer Centers in Metalloproteins Using Anion Photoelectron Spectroscopy in the Gas Phase **2006**, 63-117		3
6	Complexation of Fe(III)/Catechols in atmospheric aqueous phase and the consequent cytotoxicity assessment in human bronchial epithelial cells (BEAS-2B). *Ecotoxicology and Environmental Safety*, **2020**, 202, 110898	7	2
5	Real-time, single-particle measurements of ambient aerosols in Shanghai. *Frontiers of Chemistry in China: Selected Publications From Chinese Universities*, **2010**, 5, 331-341		2
4	Novel cationic selenium-cluster nitride species [SenN]+(n = 1-11) formed by laser ablation of a Se target in the presence of N2. *Chemistry - A European Journal*, **2001**, 7, 652-6	4.8	2
3	Measurements of nonvolatile size distribution and its link to traffic soot in urban Shanghai. *Science of the Total Environment*, **2018**, 615, 452-461	10.2	2
2	Size-fractionated water-soluble ions during autumn and winter: Insights into volatile ammonium formation mechanisms in Shanghai, a megacity of China. *Atmospheric Environment: X*, **2019**, 2, 100011	2.8	1
1	Production Flux and Chemical Characteristics of Spray Aerosol Generated From Raindrop Impact on Seawater and Soil. *Journal of Geophysical Research D: Atmospheres*, **2020**, 125, e2019JD032052	4.4	0