

Yi Chen

List of Publications by Year in Descending Order

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Version: 2024-04-25

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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.

239
papers

5,257
citations

36
h-index

63
g-index

257
ext. papers

6,321
ext. citations

5.8
avg, IF

6.21
L-index

#	Paper	IF	Citations
239	Sources of ambient non-methane hydrocarbon compounds and their impacts on O formation during autumn, Beijing.. <i>Journal of Environmental Sciences</i> , 2022 , 114, 85-97	6.4	0
238	Study on the reaction of 3-methyl-2-butenal and 3-methylbutanal with Cl atoms: kinetics and reaction mechanism.. <i>Journal of Environmental Sciences</i> , 2022 , 116, 25-33	6.4	
237	Insights into vertical differences of particle number size distributions in winter in Beijing, China. <i>Science of the Total Environment</i> , 2022 , 802, 149695	10.2	2
236	Long-term winter observation of nitrous acid in the urban area of Beijing.. <i>Journal of Environmental Sciences</i> , 2022 , 114, 334-342	6.4	0
235	Long-chain alkanes in the atmosphere: A review.. <i>Journal of Environmental Sciences</i> , 2022 , 114, 37-52	6.4	1
234	Formation mechanisms of nitrous acid (HONO) during the haze and non-haze periods in Beijing, China.. <i>Journal of Environmental Sciences</i> , 2022 , 114, 343-353	6.4	
233	Chemical composition of different size ultrafine particulate matter measured by nanoparticle chemical ionization mass spectrometer.. <i>Journal of Environmental Sciences</i> , 2022 , 114, 434-443	6.4	1
232	Boosting Toluene Combustion by Tuning Electronic Metal-Support Interactions in In Situ Grown Pt@CoO Catalysts.. <i>Environmental Science & Technology</i> , 2021 ,	10.3	8
231	Secondary Formation and Impacts of Gaseous Nitro-Phenolic Compounds in the Continental Outflow Observed at a Background Site in South China. <i>Environmental Science & Technology</i> , 2021 ,	10.3	2
230	Molecular Composition of Oxygenated Organic Molecules and Their Contributions to Organic Aerosol in Beijing. <i>Environmental Science & Technology</i> , 2021 ,	10.3	3
229	Capillary array electrophoresis imaging of biochemicals in tissue sections.. <i>Talanta</i> , 2021 , 240, 123183	6.2	0
228	Evaluation of Apigenin Inhibiting Lactate Dehydrogenase Activity Based on CdTe Quantum Dots Fluorescence. <i>Journal of Biomedical Nanotechnology</i> , 2021 , 17, 1806-1811	4	1
227	Important Oxidants and Their Impact on the Environmental Effects of Aerosols. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 3813-3825	2.8	4
226	Sulfate formation is dominated by manganese-catalyzed oxidation of SO on aerosol surfaces during haze events. <i>Nature Communications</i> , 2021 , 12, 1993	17.4	47
225	The Synergistic Role of Sulfuric Acid, Bases, and Oxidized Organics Governing New-Particle Formation in Beijing. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL091944	4.9	23
224	Exposure to PM2.5 aggravates Parkinson's disease via inhibition of autophagy and mitophagy pathway. <i>Toxicology</i> , 2021 , 456, 152770	4.4	5
223	Enhanced secondary organic aerosol formation from the photo-oxidation of mixed anthropogenic volatile organic compounds. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 7773-7789	6.8	2

222	The gas-phase reaction kinetics of different structure of unsaturated alcohols and ketones with O ₃ . <i>Atmospheric Environment</i> , 2021 , 254, 118394	5.3	1
221	Characteristics and source apportionment of volatile organic compounds (VOCs) at a coastal site in Hong Kong. <i>Science of the Total Environment</i> , 2021 , 777, 146241	10.2	11
220	Heterogeneous Formation of HONO Catalyzed by CO. <i>Environmental Science & Technology</i> , 2021 , 55, 12215-12222	10.3	3
219	Boosting benzene combustion by engineering oxygen vacancy-mediated Ag/CeO-CoO catalyst via interfacial electron transfer. <i>Journal of Colloid and Interface Science</i> , 2021 , 594, 882-890	9.3	14
218	Light absorption properties and potential sources of brown carbon in Fenwei Plain during winter 2018-2019. <i>Journal of Environmental Sciences</i> , 2021 , 102, 53-63	6.4	8
217	Recent advances in fluorescent probes for extracellular pH detection and imaging. <i>Analytical Biochemistry</i> , 2021 , 612, 113900	3.1	12
216	Effect of chemical structure on optical properties of secondary organic aerosols derived from C alkanes. <i>Science of the Total Environment</i> , 2021 , 751, 141620	10.2	3
215	A large-scale outdoor atmospheric simulation smog chamber for studying atmospheric photochemical processes: Characterization and preliminary application. <i>Journal of Environmental Sciences</i> , 2021 , 102, 185-197	6.4	3
214	A 3D study on the amplification of regional haze and particle growth by local emissions. <i>Npj Climate and Atmospheric Science</i> , 2021 , 4,	8	13
213	Evidence for Strong HONO Emission from Fertilized Agricultural Fields and its Remarkable Impact on Regional O ₃ Pollution in the Summer North China Plain. <i>ACS Earth and Space Chemistry</i> , 2021 , 5, 340-347	3.2	8
212	A substantial increase of analytical throughput in capillary electrophoresis throughput by separation-interrupted sequential injections. <i>Analytical Methods</i> , 2021 , 13, 1995-2004	3.2	0
211	Anthropogenic Effects on Biogenic Secondary Organic Aerosol Formation. <i>Advances in Atmospheric Sciences</i> , 2021 , 38, 1053-1084	2.9	6
210	Reaction mechanism and kinetics of Criegee intermediate and hydroperoxymethyl formate. <i>Journal of Environmental Sciences</i> , 2021 , 105, 128-137	6.4	1
209	Photocatalytic Oxidation of SO by TiO ₂ : Aerosol Formation and the Key Role of Gaseous Reactive Oxygen Species. <i>Environmental Science & Technology</i> , 2021 , 55, 9784-9793	10.3	6
208	Comparative observation of atmospheric nitrous acid (HONO) in Xi'an and Xianyang located in the GuanZhong basin of western China. <i>Environmental Pollution</i> , 2021 , 289, 117679	9.3	0
207	Metal organic framework-templated fabrication of exposed surface defect-enriched CoO catalysts for efficient toluene oxidation. <i>Journal of Colloid and Interface Science</i> , 2021 , 603, 695-705	9.3	12
206	Recent progress in natural product-based inhibitor screening with enzymatic fluorescent probes. <i>Analytical Methods</i> , 2021 , 13, 1778-1787	3.2	1
205	Borohydride catalyzed redistribution reaction of hydrosilane and chlorosilane: a potential system for facile preparation of hydrochlorosilanes.. <i>RSC Advances</i> , 2020 , 10, 17404-17407	3.7	1

204	Pollution characteristics and potential sources of nitrous acid (HONO) in early autumn 2018 of Beijing. <i>Science of the Total Environment</i> , 2020 , 735, 139317	10.2	10
203	A stable version of capillary electrophoresis for determining human hemoglobin chains aiming at the screening and diagnosis of thalassemia. <i>Analytical Methods</i> , 2020 , 12, 3277-3284	3.2	2
202	Preparation of Monolayer Photonic Crystals from Ag Nanobulge-Deposited SiO Particles as Substrates for Reproducible SERS Assay of Trace Thiol Pesticide. <i>Nanomaterials</i> , 2020 , 10,	5.4	4
201	Study on ozonolysis of asymmetric alkenes with matrix isolation and FT-IR spectroscopy. <i>Chemosphere</i> , 2020 , 252, 126413	8.4	2
200	Environmental Processing of Short-Chain Fatty Alcohols Induced by Photosensitized Chemistry of Brown Carbons. <i>ACS Earth and Space Chemistry</i> , 2020 , 4, 631-640	3.2	6
199	Kinetic and mechanism studies of the ozonolysis of three unsaturated ketones. <i>Journal of Environmental Sciences</i> , 2020 , 95, 23-32	6.4	2
198	Recent developments of fluorescent probes for detection and bioimaging of nitric oxide. <i>Nitric Oxide - Biology and Chemistry</i> , 2020 , 98, 1-19	5	20
197	Advances in fluorescent probes for detection and imaging of endogenous tyrosinase activity. <i>Analytical Biochemistry</i> , 2020 , 594, 113614	3.1	12
196	Effects of NO and SO on the heterogeneous reaction of acetic acid on α -AlO in the presence and absence of simulated irradiation. <i>Environmental Sciences: Processes and Impacts</i> , 2020 , 22, 408-417	4.3	3
195	A Combined Experimental and Theoretical Study on the Gas Phase Reaction of OH Radicals with Ethyl Propyl Ether. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 721-730	2.8	2
194	Heterogeneous Uptake of Formic Acid and Acetic Acid on Mineral Dust and Coal Fly Ash. <i>ACS Earth and Space Chemistry</i> , 2020 , 4, 202-210	3.2	4
193	Evaluation and impact factors of indoor and outdoor gas-phase nitrous acid under different environmental conditions. <i>Journal of Environmental Sciences</i> , 2020 , 95, 165-171	6.4	5
192	Continuous and comprehensive atmospheric observations in Beijing: a station to understand the complex urban atmospheric environment. <i>Big Earth Data</i> , 2020 , 4, 295-321	4.1	18
191	Different HONO Sources for Three Layers at the Urban Area of Beijing. <i>Environmental Science & Technology</i> , 2020 , 54, 12870-12880	10.3	17
190	Facile self-assembly synthesis of α -FeO /graphene oxide for enhanced photo-Fenton reaction. <i>Environmental Pollution</i> , 2019 , 248, 229-237	9.3	34
189	A bi-end injection capillary electrophoresis method for simultaneous determination of 37 cations and anions in beers. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 4113-4121	4.4	8
188	Sensing ultra-trace dopamine by restoration of fluorescence on locally acidified gold nanoparticles. <i>Analyst, The</i> , 2019 , 144, 4477-4482	5	5
187	Adsorption and Photodegradation of Acetaldehyde and Ethylene on TiO ₂ (001) Surface: Experimental and First Principle Studies. <i>Catalysis Letters</i> , 2019 , 149, 2728-2738	2.8	4

186	Defect Chemistry of Er ³⁺ -Doped TiO ₂ and Its Photocatalytic Activity for the Degradation of Flowing Gas-Phase VOCs. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 12321-12334	3.8	39
185	One-pot sample preparation approach for profiling spatial distribution of gibberellins in a single shoot of germinating cereal seeds. <i>Plant Journal</i> , 2019 , 99, 1014-1024	6.9	2
184	Hygroscopicity and Compositional Evolution of Atmospheric Aerosols Containing Water-Soluble Carboxylic Acid Salts and Ammonium Sulfate: Influence of Ammonium Depletion. <i>Environmental Science & Technology</i> , 2019 , 53, 6225-6234	10.3	18
183	A new SiC precursor with high ceramic yield: Synthesis and characterization of CH _x MeSiH ₂ -containing poly(methylsilane-carbosilane). <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47618	2.9	2
182	One-Pot Synthesis of High-Quality Bimagnetic Core/Shell Nanocrystals with Diverse Exchange Coupling. <i>Journal of the American Chemical Society</i> , 2019 , 141, 3366-3370	16.4	16
181	Enhanced fluoride removal behaviour and mechanism by dicalcium phosphate from aqueous solution. <i>Environmental Technology (United Kingdom)</i> , 2019 , 40, 3668-3677	2.6	8
180	Development of stripping coil-ion chromatograph method and intercomparison with CEAS and LOPAP to measure atmospheric HONO. <i>Science of the Total Environment</i> , 2019 , 646, 187-195	10.2	24
179	Variations and sources of nitrous acid (HONO) during a severe pollution episode in Beijing in winter 2016. <i>Science of the Total Environment</i> , 2019 , 648, 253-262	10.2	42
178	Development and application of the multi-wavelength cavity ring-down aerosol extinction spectrometer. <i>Journal of Environmental Sciences</i> , 2019 , 76, 227-237	6.4	8
177	Characteristics of wintertime VOCs in suburban and urban Beijing: concentrations, emission ratios, and festival effects. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 8021-8036	6.8	28
176	Design and construction of COX-2 specific fluorescent probes. <i>Molecular and Cellular Probes</i> , 2019 , 48, 101472	3.3	9
175	Biocatalytic Amplification of UV Signal in Capillary Electrophoresis of MicroRNA. <i>International Journal of Molecular Sciences</i> , 2019 , 21,	6.3	3
174	Review of Chinese atmospheric science research over the past 70 years: Atmospheric physics and atmospheric environment. <i>Science China Earth Sciences</i> , 2019 , 62, 1903-1945	4.6	11
173	Regulatory-sequence mechanical biosensor: A versatile platform for investigation of G-quadruplex/label-free protein interactions and tunable protein detection. <i>Analytica Chimica Acta</i> , 2019 , 1045, 1-9	6.6	1
172	Defective Mn ZrO Solid Solution for the Catalytic Oxidation of Toluene: Insights into the Oxygen Vacancy Contribution. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 730-739	9.5	121
171	Stability of Polydopamine Coatings on Gold Substrates Inspected by Surface Plasmon Resonance Imaging. <i>Langmuir</i> , 2018 , 34, 3565-3571	4	43
170	Kinetic study of the gas-phase reaction of O with three unsaturated alcohols. <i>Journal of Environmental Sciences</i> , 2018 , 71, 292-299	6.4	4
169	The influence of relative humidity on the heterogeneous oxidation of sulfur dioxide by ozone on calcium carbonate particles. <i>Science of the Total Environment</i> , 2018 , 633, 1253-1262	10.2	24

168	Gas-Phase Oxidation of Allyl Acetate by O, OH, Cl, and NO: Reaction Kinetics and Mechanism. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 1600-1611	2.8	8
167	Insights into adsorption mechanism for fluoride on cactus-like amorphous alumina oxide microspheres. <i>Chemical Engineering Journal</i> , 2018 , 345, 252-259	14.7	50
166	The Optical Properties of Limonene Secondary Organic Aerosols: The Role of NO ₃ , OH, and O ₃ in the Oxidation Processes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 3292-3303	4.4	19
165	Surface plasmon resonance sensing with adjustable sensitivity based on a flexible liquid core coupling unit. <i>Talanta</i> , 2018 , 184, 468-474	6.2	8
164	Facile derivatization of ultratrace carboxylic acids in saliva for quantification by HPLC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 4293-4300	4.4	5
163	The formation and growth of calcium sulfate crystals through oxidation of SO by O on size-resolved calcium carbonate.. <i>RSC Advances</i> , 2018 , 8, 16285-16293	3.7	7
162	Heterogeneous Reaction of HCOOH on NaCl Particles at Different Relative Humidities. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 7218-7226	2.8	1
161	Self-Catalytic Reaction of SO and NH To Produce Sulfamic Acid and Its Implication to Atmospheric Particle Formation. <i>Journal of the American Chemical Society</i> , 2018 , 140, 11020-11028	16.4	58
160	Clustering mechanism of oxocarboxylic acids involving hydration reaction: Implications for the atmospheric models. <i>Journal of Chemical Physics</i> , 2018 , 148, 214303	3.9	15
159	Superelastic and ultralight polyimide aerogels as thermal insulators and particulate air filters. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 828-832	13	80
158	Hydrothermal Synthesis of a Novel Double-Sided Nanobrush Co ₃ O ₄ Catalyst and Its Catalytic Performance for Benzene Oxidation. <i>ChemCatChem</i> , 2018 , 11, 1214	5.2	9
157	Effect of Titanium Dioxide on Secondary Organic Aerosol Formation. <i>Environmental Science & Technology</i> , 2018 , 52, 11612-11620	10.3	10
156	Evaluation of poly(methylsilane-carbosilane) synthesized from methyl-dichlorosilane and chloromethyldichloromethylsilane as a precursor for SiC. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46610	2.9	1
155	Novel Al-doped carbon nanotubes with adsorption and coagulation promotion for organic pollutant removal. <i>Journal of Environmental Sciences</i> , 2017 , 54, 1-12	6.4	74
154	Optical properties of secondary organic aerosols derived from long-chain alkanes under various NO and seed conditions. <i>Science of the Total Environment</i> , 2017 , 579, 1699-1705	10.2	14
153	A fluorescent dye with large Stokes shift and high stability: synthesis and application to live cell imaging. <i>RSC Advances</i> , 2017 , 7, 7604-7609	3.7	99
152	Hygroscopic properties of potassium chloride and its internal mixtures with organic compounds relevant to biomass burning aerosol particles. <i>Scientific Reports</i> , 2017 , 7, 43572	4.9	31
151	The effects of coexisting NaSO on heterogeneous uptake of NO on CaCO particles at various RHs. <i>Science of the Total Environment</i> , 2017 , 586, 930-938	10.2	17

150	Quantification of near-attomole gibberellins in floral organs dissected from a single <i>Arabidopsis thaliana</i> flower. <i>Plant Journal</i> , 2017 , 91, 547-557	6.9	15
149	Hygroscopic behavior of water-soluble matter in marine aerosols over the East China Sea. <i>Science of the Total Environment</i> , 2017 , 578, 307-316	10.2	10
148	Evaluating the effectiveness of joint emission control policies on the reduction of ambient VOCs: Implications from observation during the 2014 APEC summit in suburban Beijing. <i>Atmospheric Environment</i> , 2017 , 164, 117-127	5.3	27
147	Interface effect of mixed phase Pt/ZrO ₂ catalysts for HCHO oxidation at ambient temperature. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 13799-13806	13	94
146	Removal of fluoride from aqueous solution by Mg-Al-Zr triple-metal composite. <i>Chemical Engineering Journal</i> , 2017 , 322, 246-253	14.7	73
145	Highly active and stable interface derived from Pt supported on Ni/Fe layered double oxides for HCHO oxidation. <i>Catalysis Science and Technology</i> , 2017 , 7, 1573-1580	5.5	56
144	Dual-Phase Separation in a Semiconfined System: Monodispersed Heterogeneous Block-Copolymer Membranes for Cell Encoding and Patterning. <i>Advanced Materials</i> , 2017 , 29, 1605932	24	9
143	Enhanced Light Scattering of Secondary Organic Aerosols by Multiphase Reactions. <i>Environmental Science & Technology</i> , 2017 , 51, 1285-1292	10.3	20
142	Atmospheric oxidation of selected chlorinated alkenes by O ₃ , OH, NO ₃ and Cl. <i>Atmospheric Environment</i> , 2017 , 170, 12-21	5.3	5
141	Gas-Phase Reaction of Methyl n-Propyl Ether with OH, NO, and Cl: Kinetics and Mechanism. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 6800-6809	2.8	12
140	Surface Plasmon Resonance Imaging Detection of Sub-femtomolar MicroRNA. <i>Analytical Chemistry</i> , 2017 , 89, 10071-10077	7.8	26
139	Morphology-dependent properties and adsorption performance of CeO ₂ for fluoride removal. <i>Chemical Engineering Journal</i> , 2017 , 330, 36-43	14.7	89
138	A molecular-scale study on the role of lactic acid in new particle formation: Influence of relative humidity and temperature. <i>Atmospheric Environment</i> , 2017 , 166, 479-487	5.3	31
137	Gas-phase hydration of glyoxylic acid: Kinetics and atmospheric implications. <i>Chemosphere</i> , 2017 , 186, 430-437	8.4	24
136	Electronic Properties and Dissociative Photoionization of Thiocyanates, Part III. The Effect of the Group's Electronegativity in the Valence and Shallow-Core (Sulfur and Chlorine 2p) Regions of CCISCN and CClFSCN. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 9201-9210	2.8	2
135	Temperature dependence of the heterogeneous uptake of acrylic acid on Arizona test dust. <i>Journal of Environmental Sciences</i> , 2017 , 53, 107-112	6.4	4
134	Fabrication of Bio-function-Preserved Saccharide Microarray Chips with Cyanuric Chloride as a Rotatable Linker. <i>Methods in Molecular Biology</i> , 2017 , 1518, 29-42	1.4	1
133	Prionic Acid: An Effective Sex Attractant for an Important Pest of Sugarcane, <i>Dorysthenes granulosus</i> (Coleoptera: Cerambycidae: Prioninae). <i>Journal of Economic Entomology</i> , 2016 , 109, 484-6	2.2	9

132	Likely Aggregation-Sex Pheromones of the Invasive Beetle <i>Callidiellum villosulum</i> , and the Related Asian Species <i>Allotraeus asiaticus</i> , <i>Semanotus bifasciatus</i> , and <i>Xylotrechus buqueti</i> (Coleoptera: Cerambycidae). <i>Journal of Economic Entomology</i> , 2016 , 109, 2243-6	2.2	13
131	Mass-Dependent and -Independent Fractionation of Mercury Isotope during Gas-Phase Oxidation of Elemental Mercury Vapor by Atomic Cl and Br. <i>Environmental Science & Technology</i> , 2016 , 50, 9232-41	10.3	94
130	A universal strategy for direct immobilization of intact bioactivity-conserved carbohydrates on gold nanoparticles. <i>RSC Advances</i> , 2016 , 6, 85333-85339	3.7	8
129	Heterogeneous reactions of NO ₂ with CaCO ₃ (NH ₄) ₂ SO ₄ /6 mixtures at different relative humidities. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 8081-8093		
128	Ratiometric Fluorescent Pattern for Sensing Proteins Using Aqueous Polymer-Pyrene/ β -Cyclodextrin Inclusion Complexes. <i>Analytical Chemistry</i> , 2016 , 88, 1821-6	7.8	24
127	Strategy To Fabricate Naked-Eye Readout Ultrasensitive Plasmonic Nanosensor Based on Enzyme Mimetic Gold Nanoclusters. <i>Analytical Chemistry</i> , 2016 , 88, 1412-8	7.8	49
126	Exploring the nitrous acid (HONO) formation mechanism in winter Beijing: direct emissions and heterogeneous production in urban and suburban areas. <i>Faraday Discussions</i> , 2016 , 189, 213-30	3.6	53
125	Heterogeneous uptake of gaseous hydrogen peroxide on mineral dust. <i>Journal of Environmental Sciences</i> , 2016 , 40, 44-50	6.4	6
124	Generation, Characterization, and Application of Hierarchically Structured Self-Assembly Induced by the Combined Effect of Self-Emulsification and Phase Separation. <i>Journal of the American Chemical Society</i> , 2016 , 138, 2090-3	16.4	24
123	Water uptake of multicomponent organic mixtures and their influence on hygroscopicity of inorganic salts. <i>Journal of Environmental Sciences</i> , 2016 , 45, 156-63	6.4	9
122	Direct Derivatization and Quantitation of Ultra-trace Gibberellins in Sub-milligram Fresh Plant Organs. <i>Molecular Plant</i> , 2016 , 9, 175-177	14.4	18
121	Heterogeneous Uptake of Gas-Phase Acetic Acid on the Surface of Fe_2O_3 Particles: Temperature Effects. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 2749-2755	4.5	8
120	Amphiphilic Janus Particles Generated via a Combination of Diffusion-Induced Phase Separation and Magnetically Driven Dewetting and Their Synergistic Self-Assembly. <i>Advanced Materials</i> , 2016 , 28, 3131-7	24	56
119	Specific interaction of platinated DNA and proteins by surface plasmon resonance imaging. <i>RSC Advances</i> , 2016 , 6, 21900-21906	3.7	8
118	Red fluorescent chitosan nanoparticles grafted with poly(2-methacryloyloxyethyl phosphorylcholine) for live cell imaging. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 144, 188-195	6	13
117	Chemical Strategy to Stepwise Amplification of Signals in Surface Plasmon Resonance Imaging Detection of Saccharides and Glycoconjugates. <i>Analytical Chemistry</i> , 2016 , 88, 10011-10018	7.8	14
116	An experimental kinetic study and products research of the reactions of O ₃ with a series of unsaturated alcohols. <i>Atmospheric Environment</i> , 2016 , 145, 455-467	5.3	7
115	Mechanism and Kinetics of Heterogeneous Reactions of Unsaturated Organic Acids on Fe_2O_3 and CaCO ₃ . <i>ChemPhysChem</i> , 2016 , 17, 3515-3523	3.2	1

114	Comparisons of measured nitrous acid (HONO) concentrations in a pollution period at urban and suburban Beijing, in autumn of 2014. <i>Science China Chemistry</i> , 2015 , 58, 1393-1402	7.9	29
113	Preparation of biocompatible and photostable PEGylated red fluorescent nanoparticles for cellular imaging. <i>Polymer Chemistry</i> , 2015 , 6, 5891-5898	4.9	17
112	Photoelectron Spectroscopy and Ionic Fragmentation of OSeCl ₂ and Its Analogue OSnCl ₂ under VUV Irradiation. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 8000-9	2.8	
111	Sensitive and selective determination of polycyclic aromatic hydrocarbons in mainstream cigarette smoke using a graphene-coated solid-phase microextraction fiber prior to GC/MS. <i>Talanta</i> , 2015 , 140, 102-108	6.2	31
110	Gas-phase reaction of two unsaturated ketones with atomic Cl and O ₃ : kinetics and products. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 12000-12	3.6	21
109	Acid-catalyzed heterogeneous reaction of 3-methyl-2-buten-1-ol with hydrogen peroxide. <i>Journal of Environmental Sciences</i> , 2015 , 31, 89-97	6.4	3
108	Preparation of an amino acid-based polymer monolith for trimodal liquid chromatography. <i>RSC Advances</i> , 2015 , 5, 61436-61439	3.7	7
107	Functional analysis of synthetic DELLA domain peptides and bioactive gibberellin assay using surface plasmon resonance technology. <i>Talanta</i> , 2015 , 144, 502-9	6.2	4
106	Two-photon pumped emission of polymeric thin film doped with dicyanopyranone derivative. <i>RSC Advances</i> , 2015 , 5, 20712-20715	3.7	3
105	Simultaneous determination of electrophoretic and dielectrophoretic mobilities of human red blood cells. <i>Electrophoresis</i> , 2015 , 36, 1507-13	3.6	
104	Synthesis and characterization of MgFeNi trimetal composite as an adsorbent for fluoride removal. <i>Chemical Engineering Journal</i> , 2015 , 264, 506-513	14.7	99
103	Identification of a Male-Produced Pheromone Component of the Citrus Longhorned Beetle, <i>Anoplophora chinensis</i> . <i>PLoS ONE</i> , 2015 , 10, e0134358	3.7	18
102	Template-free synthesis of 3D hierarchical amorphous aluminum oxide microspheres with broccoli-like structure and their application in fluoride removal. <i>RSC Advances</i> , 2015 , 5, 19159-19165	3.7	27
101	Heterogeneous uptake of nitrogen dioxide on Chinese mineral dust. <i>Journal of Environmental Sciences</i> , 2015 , 38, 110-8	6.4	12
100	One-step fabrication and characterization of hierarchical MgFe ₂ O ₄ microspheres and their application for lead removal. <i>Microporous and Mesoporous Materials</i> , 2015 , 207, 170-178	5.3	64
99	Fast assembly of anti-voltage photonic crystals in microfluidic channels for ultrafast separation of amino acids and peptides. <i>Methods in Molecular Biology</i> , 2015 , 1274, 119-35	1.4	2
98	Optical properties of secondary organic aerosols generated by photooxidation of aromatic hydrocarbons. <i>Scientific Reports</i> , 2014 , 4, 4922	4.9	42
97	Ultrafast coating procedure for graphene on solid-phase microextraction fibers. <i>Talanta</i> , 2014 , 119, 517-23	6.2	31

96	Organic hydroperoxide formation in the acid-catalyzed heterogeneous oxidation of aliphatic alcohols with hydrogen peroxide. <i>RSC Advances</i> , 2014 , 4, 19716-19724	3.7	5
95	Photoactivatable turn-on fluorescence based on the photo-cleavage of the CBr bond in 1,2-bis(5-(bromoethyl)benzoxazol-2-yl)ethane. <i>New Journal of Chemistry</i> , 2014 , 38, 3468	3.6	2
94	One-pot synthesis of porous magnetic cellulose beads for the removal of metal ions. <i>RSC Advances</i> , 2014 , 4, 31362	3.7	29
93	Knudsen cell and smog chamber study of the heterogeneous uptake of sulfur dioxide on Chinese mineral dust. <i>Journal of Environmental Sciences</i> , 2014 , 26, 2423-33	6.4	14
92	Red emissive cross-linked chitosan and their nanoparticles for imaging the nucleoli of living cells. <i>Carbohydrate Polymers</i> , 2014 , 102, 699-707	10.3	43
91	Removal of fluoride from drinking water by cellulose@hydroxyapatite nanocomposites. <i>Carbohydrate Polymers</i> , 2013 , 92, 269-75	10.3	145
90	Heterogeneous reaction of NO ₂ on Al ₂ O ₃ : the effect of temperature on the nitrite and nitrate formation. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 4937-44	2.8	41
89	One-step synthesis of magnetic composites of cellulose@iron oxide nanoparticles for arsenic removal. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 959-965	13	249
88	Design and Fabrication of a Three Dimensional Spiral Micromixer. <i>Chinese Journal of Chemistry</i> , 2013 , 31, 209-214	4.9	30
87	Controllable synthesis of supported Cu ^M (M =Pt, Pd, Ru, Rh) bimetal nanocatalysts and their catalytic performances. <i>Journal of Materials Chemistry</i> , 2012 , 22, 9117		39
86	A Passive Mixer with Changeable Mixing Mechanism. <i>Chinese Journal of Chemistry</i> , 2012 , 30, 1793-1796	4.9	1
85	One-pot photochemical synthesis of graphene composites uniformly deposited with silver nanoparticles and their high catalytic activity towards the reduction of 2-nitroaniline. <i>Journal of Materials Chemistry</i> , 2012 , 22, 7245		149
84	Thermal responsive fluorescent block copolymer for intracellular temperature sensing. <i>Journal of Materials Chemistry</i> , 2012 , 22, 11543		39
83	Modulation of absorption and fluorescence of photochromic diarylethene by intramolecular hydrogen bond. <i>Journal of Physical Organic Chemistry</i> , 2012 , 25, 142-146	2.1	9
82	The first nonmetal-centered binuclear sandwich-like complexes based on the tetraatomic species E ₂ (E = N, P, As, Sb, Bi) and boron atoms. <i>New Journal of Chemistry</i> , 2011 , 35, 2527	3.6	4
81	A novel polychloromethylstyrene coated superparamagnetic surface molecularly imprinted core-shell nanoparticle for bisphenol A. <i>Journal of Materials Chemistry</i> , 2011 , 21, 9232		85
80	Kinetics of the gas-phase reactions of some unsaturated alcohols with Cl atoms and O ₃ . <i>Atmospheric Environment</i> , 2011 , 45, 53-59	5.3	20
79	CeO ₂ /WO ₃ Mixed Oxides for the Selective Catalytic Reduction of NO _x by NH ₃ Over a Wide Temperature Range. <i>Catalysis Letters</i> , 2011 , 141, 1859-1864	2.8	123

78	Temperature dependent kinetics of the gas-phase reaction of OH radicals with EMS. <i>Science Bulletin</i> , 2011 , 56, 391-396		0
77	Uptake of gas-phase alkylamines by sulfuric acid. <i>Science Bulletin</i> , 2011 , 56, 1241-1245		10
76	Uptake kinetics of 3-buten-1-ol, 4-penten-1-ol and 3-methyl-3-buten-1-ol into sulfuric acid solutions. <i>Science Bulletin</i> , 2011 , 56, 1352-1356		1
75	Modulation of color change and photocyclization of diarylethene with metal complex. <i>Journal of Physical Organic Chemistry</i> , 2011 , 24, 517-521	2.1	9
74	Construction and Properties of a Phototriggered Cd ²⁺ Release System. <i>European Journal of Organic Chemistry</i> , 2011 , 2011, 1346-1350	3.2	5
73	Rate Acceleration of the Baylis-Hillman Reaction within Microreactors. <i>Chinese Journal of Chemistry</i> , 2011 , 29, 2385-2388	4.9	5
72	Rapid fading of 3H-naphtho[2,1-b]pyrans with protonation of N,N-disubstituted group. <i>Journal of Materials Chemistry</i> , 2011 , 21, 12402		4
71	MB 28 (M = Be, Mg, Ca, Sr, and Ba): Planar octacoordinate alkaline earth metal atoms enclosed by boron rings. <i>Science China Chemistry</i> , 2010 , 53, 1737-1745	7.9	11
70	Photoelectron spectroscopy of terpenoids and prediction of their rate constants in atmospheric oxidation reactions. <i>Science Bulletin</i> , 2010 , 55, 4018-4025		6
69	Carbazole tricationic salt: A novel potential two-photon fluorescent DNA probe for nucleic imaging of cells. <i>Science Bulletin</i> , 2010 , 55, 3661-3667		7
68	Two-photon absorption of photochromic diarylethene and its application to rewritable holographic recording. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2010 , 5, 221-225		2
67	Investigation on False Peak Phenomena in On-line Sweeping Technique in MEKC. <i>Chinese Journal of Chemistry</i> , 2010 , 20, 1579-1583	4.9	3
66	Locking and unlocking control of photochromism of naphthopyran derivative. <i>Journal of Physical Organic Chemistry</i> , 2010 , 23, 207-210	2.1	8
65	The proton-coupled proton transfer mechanism, H ₂ O catalysis, and hydrogen tunneling effects in the reaction of HNCH ₂ with HCOOH in the interstellar medium. <i>International Journal of Quantum Chemistry</i> , 2010 , 110, 2671-2682	2.1	11
64	Chiral Separation of Calcium (D)-2-Benzyl-4-oxo-4-(cis-hexahydro-2-isoindolinyloxy)butyrate Enantiomers by High-performance Liquid Chromatography. <i>Chinese Journal of Chemistry</i> , 2009 , 27, 29-32	4.9	
63	A Bifunctional Metal Probe with Independent Signal Outputs and Regulable Detection Limits. <i>European Journal of Organic Chemistry</i> , 2009 , 2009, 5261-5265	3.2	29
62	A Self-Assembled 3D Hydrogen Bonded Network Constructed from Polyoxovanadate and Protonated Organic Substrate With a Solvent Hydrolysis Reaction. <i>Journal of Cluster Science</i> , 2009 , 20, 717-724	3	7
61	Electron structure and substituent effects in o-, m-, p-IC ₆ H ₄ OCH ₃ iodoanisoles. <i>Science in China Series B: Chemistry</i> , 2009 , 52, 1932-1937		2

60	Kinetic study of the reaction of chlorine atoms with 3-methyl-3-buten-1-ol. <i>Science Bulletin</i> , 2009 , 54, 3808-3812		7
59	Synthesis, structure and superoxide dismutase activity of two self-assembly transition metal complexes containing a tridentate amino-Schiff base deviating from salicylaldehyde with glycine. <i>Science Bulletin</i> , 2009 , 54, 3508-3514	10.6	4
58	Smog chamber studies of ozone formation potentials for isopentane. <i>Science Bulletin</i> , 2009 , 54, 4624-4630	10.6	7
57	Reaction between sulfur dioxide and iron oxide cationic clusters. <i>Science Bulletin</i> , 2009 , 54, 4017-4020		7
56	Rate constants for the gas phase reaction of ozone with n-butyl acrylate and ethyl methacrylate. <i>Chemical Physics Letters</i> , 2009 , 473, 57-60	2.5	22
55	On-Line Preconcentration and Analysis of Metribuzin Residues in Corn Fields by Use of a Molecularly Imprinted Polymer. <i>Chromatographia</i> , 2009 , 69, 615-619	2.1	15
54	Binuclear Cyclopentadienylmolybdenum Carbonyl Derivatives: Where is the Missing Mo? Mo Double-Bonded Species Cp ₂ Mo ₂ (CO) ₅ ?. <i>Organometallics</i> , 2009 , 28, 2818-2829	3.8	5
53	Two complexes (Cu, Zn) with 1,10-phenanthroline and a tridentate amino-Schiff-base: crystal structures, spectra, thermogravimetric analyses and superoxide dismutase activity. <i>Journal of Coordination Chemistry</i> , 2009 , 62, 745-756	1.6	23
52	Acryloyl chloride and acryloyl isocyanate (CH ₂ =CHC(O)X, X = Cl, NCO): a HeI photoelectron spectroscopy and theoretical study. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 3108-15	2.8	6
51	A novel glycidyl methacrylate-based monolith with sub-micron skeletons and well-defined macropores. <i>Journal of Materials Chemistry</i> , 2009 , 19, 767-772		72
50	Photochromic Properties of Naphthopyrans in PMMA Thin Film. <i>Molecular Crystals and Liquid Crystals</i> , 2009 , 501, 62-71	0.5	7
49	Promotional Effect of Ce-doped V ₂ O ₅ -WO ₃ /TiO ₂ with Low Vanadium Loadings for Selective Catalytic Reduction of NO _x by NH ₃ . <i>Journal of Physical Chemistry C</i> , 2009 , 113, 21177-21184	3.8	380
48	Magnetic Ni/SiO ₂ composite microcapsules prepared by one-pot synthesis. <i>Journal of Materials Chemistry</i> , 2009 , 19, 1245-1251		15
47	Study on the atmospheric photochemical reaction of CF ₃ radicals using ultraviolet photoelectron and photoionization mass spectrometer. <i>Science in China Series B: Chemistry</i> , 2008 , 51, 316-321		3
46	The uptake of ethyl iodide on black carbon surface. <i>Science Bulletin</i> , 2008 , 53, 733-738		3
45	Experimental and theoretical studies of the reaction between cationic vanadium oxide clusters and acetylene. <i>Science Bulletin</i> , 2008 , 53, 3829-3838	10.6	10
44	Rate constants for the reaction of ozone with n-butyl, s-butyl and t-butyl methyl sulfides. <i>Science Bulletin</i> , 2008 , 53, 3620-3625		3
43	Gas-Phase Generation and Electronic Structure Investigation of Oxidovanadium Triisocyanate, OV(NCO) ₃ . <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 1518-1522	2.3	

42	Gas-Phase Generation, Structure, Spectroscopy, and Quantum Chemical Calculations of Fluorocarbonylsulfur Thiocyanate, FC(O)SSCN. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 3987-3995	2.3	7
41	Substituent effect on electronic structures of halonitrobenzenes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008 , 71, 1499-502	4.4	6
40	Sample preparation. <i>Journal of Chromatography A</i> , 2008 , 1184, 191-219	4.5	252
39	Electronic structure and photoionization and dissociation processes of bis(trifluoromethoxy)disulfurylperoxide, CF ₃ OS(O)2OOS(O)2OCF ₃ . <i>Journal of Physical Chemistry A</i> , 2007 , 111, 13425-31	2.8	1
38	Two Novel Species, (Methoxycarbonyl)sulfenyl Thiocyanate and (Methoxycarbonyl)sulfenyl Selenocyanate: Spectroscopic Characterization by Photoelectron Spectroscopy and Quantum Chemical Investigation. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 4514-4519	2.3	9
37	Oxidation of 3,4-Diaryl-2,5-dihydrothiophenes to 3,4-Diarylthiophenes Using CuBr ₂ : Simple and Efficient Preparation of 3,4-Diarylthiophenes. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 5661-5664	3.2	15
36	Absorbance kinetics of dye-doped systems with photochemical first order kinetics. <i>Physica Status Solidi (B): Basic Research</i> , 2007 , 244, 2138-2150	1.3	7
35	Experimental investigation of incremental reactivity of di-tert-butyl peroxide. <i>Science Bulletin</i> , 2007 , 52, 1629-1634		3
34	Fast and accurate measurement of diffusion coefficient by Taylor dispersion analysis. <i>Science Bulletin</i> , 2007 , 52, 3325-3332		21
33	A novel heterogeneous reaction for generating gaseous nitrous acid. <i>Science Bulletin</i> , 2007 , 52, 3056-3060		3
32	Construction and photoswitching properties of fluorescent diarylethenes. <i>Journal of Materials Chemistry</i> , 2007 , 17, 861-865		25
31	Bleaching kinetics of indoly-benzylfulgimide in PMMA. <i>Physica Status Solidi (B): Basic Research</i> , 2007 , 244, 1363-1375	1.3	1
30	Synthesis, spectra, structure and quantum chemistry study on two novel oxovanadium complexes with hydrotris (pyrazolyl) borate ligands. <i>Science Bulletin</i> , 2006 , 51, 661-667		5
29	A kinetic study of the reaction of ozone with ethylene in a smog chamber under atmospheric conditions. <i>Science Bulletin</i> , 2006 , 51, 2839-2843		21
28	First Experimental Observation of Gas-Phase Nitrosyl Thiocyanate. <i>European Journal of Inorganic Chemistry</i> , 2006 , 2006, 2469-2475	2.3	21
27	Two addressable fluorescent switches based on a photochromic diarylethene. <i>Journal of Materials Chemistry</i> , 2006 , 16, 982		25
26	Combination of fluorescent switch and electrochemical switch based on a photochromic diarylethene. <i>New Journal of Chemistry</i> , 2006 , 30, 1595	3.6	28
25	Modulation of a fluorescent switch based on a controllable photochromic diarylethene shutter. <i>Journal of Materials Chemistry</i> , 2005 , 15, 3229		33

24	Study on photochromism of diarylethenes with a 2,5-dihydropyrrole bridging unit: a convenient preparation of 3,4-diarylpyrroles from 3,4-diaryl-2,5-dihydropyrroles. <i>Journal of Organic Chemistry</i> , 2005 , 70, 5001-5	4.2	107
23	Chiral recognition of dextran sulfate with D- and L-cystine studied by multiwavelength surface plasmon resonance. <i>Carbohydrate Research</i> , 2005 , 340, 2024-9	2.9	5
22	Chiral ion-exchange capillary electrochromatography of arylglycine amides with dextran sulfate as a pseudostationary phase. <i>Electrophoresis</i> , 2005 , 26, 833-40	3.6	11
21	Synthesis, Structure Characterization, and Quantum Chemistry of a Discrete Cluster $[\{Zn(2,2\text{-bipy})_3\}_2V_4O_{12}] \cdot 1H_2O$ (2,2'-bipy=2,2'-bipyridine). <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2005 , 35, 747-753		3
20	Optical Properties and Applications of Photochromic Fulgides. <i>Molecular Crystals and Liquid Crystals</i> , 2005 , 430, 211-219	0.5	19
19	Chiral Separation and Enantiomeric Purity Determination of Pazufloxacin Mesilate by HPLC Using Chiral Mobile Phase Additives. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2004 , 27, 813-827	1.3	10
18	A selective, fluorescent sensor for Zn ²⁺ . <i>ChemPhysChem</i> , 2004 , 5, 564-6	3.2	17
17	Study on photochromic diarylethene with phenolic Schiff base: preparation and photochromism of diarylethene with benzoxazole. <i>Journal of Organic Chemistry</i> , 2004 , 69, 5037-40	4.2	55
16	Enantioseparation of Quaternary Amino Amides by Capillary Electrophoresis with Human Serum Albumin. <i>Analytical Letters</i> , 2003 , 36, 1451-1462	2.2	0
15	Separation of new antidiabetic agent, N-(trans-4-isopropylcyclohexylcarbonyl)-D-phenylalanine and three related compounds by RP-HPLC. <i>Chromatographia</i> , 2003 , 57, 245-247	2.1	7
14	Experimental investigation of parallel optical data storage using pyrrolyfulgide photochromic material. <i>Science Bulletin</i> , 2003 , 48, 1548-1550		3
13	Capillary Electrophoretic Analysis of Pharmacologically Active Xanthone Compounds from Swertia przewalskii pissjauk Extract. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2003 , 26, 1219-1229	1.3	4
12	Synthesis and photochromic properties of functional diarylethene with a 2,5-dihydrothiophene bridging unit. <i>Organic Letters</i> , 2003 , 5, 1435-7	6.2	55
11	Chiral separation of N-(trans-4-isopropylcyclohexylcarbonyl)-D,L-phenylalanine isomers by high performance liquid chromatography. <i>Chromatographia</i> , 2002 , 56, 515-518	2.1	10
10	AN IMPROVED SYNTHESIS OF FERROCENYL VINYL PYRIDINE DERIVATIVES USING LEWIS ACIDS/SiO ₂ SYSTEMS. <i>Synthetic Communications</i> , 2002 , 32, 2627-2631	1.7	3
9	Capillary electrophoresis of catecholamines with laser-induced fluorescence intensified charge-coupled device detection. <i>Biomedical Chromatography</i> , 2001 , 15, 83-8	1.7	32
8	Preparation and characterization of calixarene-coated capillaries for capillary electrophoresis. <i>Electrophoresis</i> , 2000 , 21, 1620-4	3.6	30
7	Protein-only prion diseases?. <i>Science Bulletin</i> , 2000 , 45, 285-288		2

- 6 Experimental and theoretical studies on different ionic states of ethylthio CH₃CH₂S radical. *Journal of Chemical Physics*, **2000**, 113, 1866-1869 3.9 16
- 5 Capillary electrophoresis of FITC labeled amino acids with laser-induced fluorescence detection. *Science in China Series B: Chemistry*, **1999**, 42, 663-669 3
- 4 Theoretical examination of electroosmosis control with external radial electric field in capillary electrophoresis. *Electrophoresis*, **1999**, 20, 1817-21 3.6 5
- 3 Capillary electrophoretic separation of glycoproteins. *Science in China Series B: Chemistry*, **1998**, 41, 71-76 3
- 2 Preparation of polyacrylamide gel-filled capillaries with step gradients and low UV-detection background. *Science in China Series B: Chemistry*, **1997**, 40, 245-253
- 1 Confining shell-sandwiched Ag clusters in MnO₂-CeO₂ hollow spheres to boost activity and stability of toluene combustion. *Nano Research*, 1 10 3