Yi Chen

List of Publications by Year in descending order

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247 papers	7,440 citations	61857 43 h-index	74018 75 g-index
257 all docs	257 docs citations	257 times ranked	8785 citing authors

#	Article	IF	Citations
1	Promotional Effect of Ce-doped V₂O₅-WO₃/TiO₂ with Low Vanadium Loadings for Selective Catalytic Reduction of NO_x by NH₃. Journal of Physical Chemistry C, 2009, 113, 21177-21184.	1.5	430
2	One-step synthesis of magnetic composites of cellulose@iron oxide nanoparticles for arsenic removal. Journal of Materials Chemistry A, 2013, 1, 959-965.	5.2	296
3	Sample preparation. Journal of Chromatography A, 2008, 1184, 191-219.	1.8	291
4	Defective Mn_xZr_{1â€“x}O₂ Solid Solution for the Catalytic Oxidation of Toluene: Insights into the Oxygen Vacancy Contribution. ACS Applied Materials & Interfaces, 2019, 11, 730-739.	4.0	244
5	Removal of fluoride from drinking water by cellulose@hydroxyapatite nanocomposites. Carbohydrate Polymers, 2013, 92, 269-275.	5.1	166
6	One-pot photochemical synthesis of graphene composites uniformly deposited with silver nanoparticles and their high catalytic activity towards the reduction of 2-nitroaniline. Journal of Materials Chemistry, 2012, 22, 7245.	6.7	158
7	Mass-Dependent and -Independent Fractionation of Mercury Isotope during Gas-Phase Oxidation of Elemental Mercury Vapor by Atomic Cl and Br. Environmental Science & Technology, 2016, 50, 9232-9241.	4.6	143
8	A fluorescent dye with large Stokes shift and high stability: synthesis and application to live cell imaging. RSC Advances, 2017, 7, 7604-7609.	1.7	137
9	Morphology-dependent properties and adsorption performance of CeO2 for fluoride removal. Chemical Engineering Journal, 2017, 330, 36-43.	6.6	136
10	Study on Photochromism of Diarylethenes with a 2,5-Dihydropyrrole Bridging Unit:Â A Convenient Preparation of 3,4-Diarylpyrroles from 3,4-Diaryl-2,5-dihydropyrroles. Journal of Organic Chemistry, 2005, 70, 5001-5005.	1.7	133
11	CeO2â€“WO3 Mixed Oxides for the Selective Catalytic Reduction of NO x by NH3 Over a Wide Temperature Range. Catalysis Letters, 2011, 141, 1859-1864.	1.4	132
12	Interface effect of mixed phase Pt/ZrO₂ catalysts for HCHO oxidation at ambient temperature. Journal of Materials Chemistry A, 2017, 5, 13799-13806.	5.2	128
13	Sulfate formation is dominated by manganese-catalyzed oxidation of SO2 on aerosol surfaces during haze events. Nature Communications, 2021, 12, 1993.	5.8	128
14	Synthesis and characterization of Mgâ€“Feâ€“La trimetal composite as an adsorbent for fluoride removal. Chemical Engineering Journal, 2015, 264, 506-513.	6.6	127
15	Superelastic and ultralight polyimide aerogels as thermal insulators and particulate air filters. Journal of Materials Chemistry A, 2018, 6, 828-832.	5.2	113
16	Novel Al-doped carbon nanotubes with adsorption and coagulation promotion for organic pollutant removal. Journal of Environmental Sciences, 2017, 54, 1-12.	3.2	104
17	Boosting Toluene Combustion by Tuning Electronic Metalâ€“Support Interactions in In Situ Grown Pt@Co₃O₄ Catalysts. Environmental Science & Technology, 2022, 56, 1376-1385.	4.6	94
18	Removal of fluoride from aqueous solution by Mg-Al-Zr triple-metal composite. Chemical Engineering Journal, 2017, 322, 246-253.	6.6	93

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19	A novel polychloromethylstyrene coated superparamagnetic surface molecularly imprinted coreâ€“shell nanoparticle for bisphenol A. Journal of Materials Chemistry, 2011, 21, 9232.	6.7	90
20	Self-Catalytic Reaction of SO₃ and NH₃ To Produce Sulfamic Acid and Its Implication to Atmospheric Particle Formation. Journal of the American Chemical Society, 2018, 140, 11020-11028.	6.6	86
21	One-step fabrication and characterization of hierarchical MgFe2O4 microspheres and their application for lead removal. Microporous and Mesoporous Materials, 2015, 207, 170-178.	2.2	84
22	Defect Chemistry of Er³⁺-Doped TiO₂ and Its Photocatalytic Activity for the Degradation of Flowing Gas-Phase VOCs. Journal of Physical Chemistry C, 2019, 123, 12321-12334.	1.5	83
23	Exploring the nitrous acid (HONO) formation mechanism in winter Beijing: direct emissions and heterogeneous production in urban and suburban areas. Faraday Discussions, 2016, 189, 213-230.	1.6	77
24	A novel glycidyl methacrylate-based monolith with sub-micron skeletons and well-defined macropores. Journal of Materials Chemistry, 2009, 19, 767-772.	6.7	75
25	Amphiphilic Janus Particles Generated via a Combination of Diffusionâ€Induced Phase Separation and Magnetically Driven Dewetting and Their Synergistic Selfâ€Assembly. Advanced Materials, 2016, 28, 3131-3137.	11.1	74
26	Insights into adsorption mechanism for fluoride on cactus-like amorphous alumina oxide microspheres. Chemical Engineering Journal, 2018, 345, 252-259.	6.6	70
27	Highly active and stable interface derived from Pt supported on Ni/Fe layered double oxides for HCHO oxidation. Catalysis Science and Technology, 2017, 7, 1573-1580.	2.1	69
28	Strategy To Fabricate Naked-Eye Readout Ultrasensitive Plasmonic Nanosensor Based on Enzyme Mimetic Gold Nanoclusters. Analytical Chemistry, 2016, 88, 1412-1418.	3.2	66
29	Stability of Polydopamine Coatings on Gold Substrates Inspected by Surface Plasmon Resonance Imaging. Langmuir, 2018, 34, 3565-3571.	1.6	62
30	Variations and sources of nitrous acid (HONO) during a severe pollution episode in Beijing in winter 2016. Science of the Total Environment, 2019, 648, 253-262.	3.9	62
31	Synthesis and Photochromic Properties of Functional Diarylethene with a 2,5-Dihydrothiophene Bridging Unit. Organic Letters, 2003, 5, 1435-1437.	2.4	59
32	Facile self-assembly synthesis of Î³-Fe2O3 /graphene oxide for enhanced photo-Fenton reaction. Environmental Pollution, 2019, 248, 229-237.	3.7	59
33	Study on Photochromic Diarylethene with Phenolic Schiff Base:Â Preparation and Photochromism of Diarylethene with Benzoxazole. Journal of Organic Chemistry, 2004, 69, 5037-5040.	1.7	56
34	Characteristics of wintertime VOCs in suburban and urban Beijing: concentrations, emission ratios, and festival effects. Atmospheric Chemistry and Physics, 2019, 19, 8021-8036.	1.9	55
35	Boosting benzene combustion by engineering oxygen vacancy-mediated Ag/CeO2-Co3O4 catalyst via interfacial electron transfer. Journal of Colloid and Interface Science, 2021, 594, 882-890.	5.0	55
36	Heterogeneous Reaction of NO₂ on Al₂O₃: The Effect of Temperature on the Nitrite and Nitrate Formation. Journal of Physical Chemistry A, 2013, 117, 4937-4944.	1.1	54

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37	Heterogeneous reactions of NO₂ with CaCO₃â€“(NH₄)<sub>2& mixtures at different relative humidities. Atmospheric Chemistry and Physics, 2016, 16, 8081-8093.		
38	Continuous and comprehensive atmospheric observations in Beijing: a station to understand the complex urban atmospheric environment. Big Earth Data, 2020, 4, 295-321.	2.0	54
39	Recent developments of fluorescent probes for detection and bioimaging of nitric oxide. Nitric Oxide - Biology and Chemistry, 2020, 98, 1-19.	1.2	54
40	The Synergistic Role of Sulfuric Acid, Bases, and Oxidized Organics Governing Newâ€Particle Formation in Beijing. Geophysical Research Letters, 2021, 48, e2020GL091944.	1.5	53
41	Different HONO Sources for Three Layers at the Urban Area of Beijing. Environmental Science & Technology, 2020, 54, 12870-12880.	4.6	52
42	Optical properties of secondary organic aerosols generated by photooxidation of aromatic hydrocarbons. Scientific Reports, 2014, 4, 4922.	1.6	48
43	Red emissive cross-linked chitosan and their nanoparticles for imaging the nucleoli of living cells. Carbohydrate Polymers, 2014, 102, 699-707.	5.1	47
44	A molecular-scale study on the role of lactic acid in new particle formation: Influence of relative humidity and temperature. Atmospheric Environment, 2017, 166, 479-487.	1.9	42
45	Metal organic framework-templated fabrication of exposed surface defect-enriched Co3O4 catalysts for efficient toluene oxidation. Journal of Colloid and Interface Science, 2021, 603, 695-705.	5.0	42
46	Controllable synthesis of supported Cuâ€“M (M =Pt, Pd, Ru, Rh) bimetal nanocatalysts and their catalytic performances. Journal of Materials Chemistry, 2012, 22, 9117.	6.7	41
47	Thermal responsive fluorescent block copolymer for intracellular temperature sensing. Journal of Materials Chemistry, 2012, 22, 11543.	6.7	41
48	Comparisons of measured nitrous acid (HONO) concentrations in a pollution period at urban and suburban Beijing, in autumn of 2014. Science China Chemistry, 2015, 58, 1393-1402.	4.2	41
49	Characteristics and source apportionment of volatile organic compounds (VOCs) at a coastal site in Hong Kong. Science of the Total Environment, 2021, 777, 146241.	3.9	40
50	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. Atmospheric Environment, 2017, 164, 117-127.	1.9	39
51	Surface Plasmon Resonance Imaging Detection of Sub-femtomolar MicroRNA. Analytical Chemistry, 2017, 89, 10071-10077.	3.2	39
52	Design and Fabrication of a Three Dimensional Spiral Micromixer. Chinese Journal of Chemistry, 2013, 31, 209-214.	2.6	38
53	Hygroscopic properties of potassium chloride and its internal mixtures with organic compounds relevant to biomass burning aerosol particles. Scientific Reports, 2017, 7, 43572.	1.6	38
54	Confining shell-sandwiched Ag clusters in MnO2-CeO2 hollow spheres to boost activity and stability of toluene combustion. Nano Research, 2022, 15, 7042-7051.	5.8	37

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55	Sensitive and selective determination of polycyclic aromatic hydrocarbons in mainstream cigarette smoke using a graphene-coated solid-phase microextraction fiber prior to GC/MS. Talanta, 2015, 140, 102-108.	2.9	36
56	Development of stripping coil-ion chromatograph method and intercomparison with CEAS and LOPAP to measure atmospheric HONO. Science of the Total Environment, 2019, 646, 187-195.	3.9	36
57	Combination of fluorescent switch and electrochemical switch based on a photochromic diarylethene. New Journal of Chemistry, 2006, 30, 1595.	1.4	35
58	Template-free synthesis of 3D hierarchical amorphous aluminum oxide microspheres with broccoli-like structure and their application in fluoride removal. RSC Advances, 2015, 5, 19159-19165.	1.7	35
59	Capillary electrophoresis of catecholamines with laser-induced fluorescence intensified charge-coupled device detection. Biomedical Chromatography, 2001, 15, 83-88.	0.8	34
60	Modulation of a fluorescent switch based on a controllable photochromic diarylethene shutter. Journal of Materials Chemistry, 2005, 15, 3229.	6.7	34
61	Ultrafast coating procedure for graphene on solid-phase microextraction fibers. Talanta, 2014, 119, 517-523.	2.9	34
62	Preparation and characterization of calixarene-coated capillaries for capillary electrophoresis. Electrophoresis, 2000, 21, 1620-1624.	1.3	33
63	One-pot synthesis of porous magnetic cellulose beads for the removal of metal ions. RSC Advances, 2014, 4, 31362.	1.7	32
64	Identification of a Male-Produced Pheromone Component of the Citrus Longhorned Beetle, Anoplophora chinensis. PLoS ONE, 2015, 10, e0134358.	1.1	32
65	Evidence for Strong HONO Emission from Fertilized Agricultural Fields and its Remarkable Impact on Regional O₃ Pollution in the Summer North China Plain. ACS Earth and Space Chemistry, 2021, 5, 340-347.	1.2	32
66	Gas-phase hydration of glyoxylic acid: Kinetics and atmospheric implications. Chemosphere, 2017, 186, 430-437.	4.2	31
67	The influence of relative humidity on the heterogeneous oxidation of sulfur dioxide by ozone on calcium carbonate particles. Science of the Total Environment, 2018, 633, 1253-1262.	3.9	30
68	Hydrothermal Synthesis of a Novel Doubleâ€Sided Nanobrush Co₃O₄ Catalyst and Its Catalytic Performance for Benzene Oxidation. ChemCatChem, 2019, 11, 1214-1221.	1.8	30
69	A Bifunctional Metal Probe with Independent Signal Outputs and Regulable Detection Limits. European Journal of Organic Chemistry, 2009, 2009, 5261-5265.	1.2	29
70	Ratiometric Fluorescent Pattern for Sensing Proteins Using Aqueous Polymer-Pyrene/Î³-Cyclodextrin Inclusion Complexes. Analytical Chemistry, 2016, 88, 1821-1826.	3.2	29
71	Generation, Characterization, and Application of Hierarchically Structured Self-Assembly Induced by the Combined Effect of Self-Emulsification and Phase Separation. Journal of the American Chemical Society, 2016, 138, 2090-2093.	6.6	29
72	Enhanced Light Scattering of Secondary Organic Aerosols by Multiphase Reactions. Environmental Science & Technology, 2017, 51, 1285-1292.	4.6	29

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73	Hygroscopicity and Compositional Evolution of Atmospheric Aerosols Containing Water-Soluble Carboxylic Acid Salts and Ammonium Sulfate: Influence of Ammonium Depletion. Environmental Science & Technology, 2019, 53, 6225-6234.	4.6	29
74	Anthropogenic Effects on Biogenic Secondary Organic Aerosol Formation. Advances in Atmospheric Sciences, 2021, 38, 1053-1084.	1.9	29
75	Recent advances in fluorescent probes for extracellular pH detection and imaging. Analytical Biochemistry, 2021, 612, 113900.	1.1	28
76	Pollution characteristics and potential sources of nitrous acid (HONO) in early autumn 2018 of Beijing. Science of the Total Environment, 2020, 735, 139317.	3.9	27
77	One-Pot Synthesis of High-Quality Bimagnetic Core/Shell Nanocrystals with Diverse Exchange Coupling. Journal of the American Chemical Society, 2019, 141, 3366-3370.	6.6	26
78	Two addressable fluorescent switches based on a photochromic diarylethene. Journal of Materials Chemistry, 2006, 16, 982.	6.7	25
79	Construction and photoswitching properties of fluorescent diarylethenes. Journal of Materials Chemistry, 2007, 17, 861-865.	6.7	25
80	The effects of coexisting Na2SO4 on heterogeneous uptake of NO2 on CaCO3 particles at various RHs. Science of the Total Environment, 2017, 586, 930-938.	3.9	25
81	The Optical Properties of Limonene Secondary Organic Aerosols: The Role of NO 3 , OH, and O 3 in the Oxidation Processes. Journal of Geophysical Research D: Atmospheres, 2018, 123, 3292-3303.	1.2	25
82	Exposure to PM2.5 aggravates Parkinsonâ€™s disease via inhibition of autophagy and mitophagy pathway. Toxicology, 2021, 456, 152770.	2.0	25
83	Photocatalytic Oxidation of SO₂ by TiO₂: Aerosol Formation and the Key Role of Gaseous Reactive Oxygen Species. Environmental Science & Technology, 2021, 55, 9784-9793.	4.6	25
84	A kinetic study of the reaction of ozone with ethylene in a smog chamber under atmospheric conditions. Science Bulletin, 2006, 51, 2839-2843.	1.7	24
85	Gas-phase reaction of two unsaturated ketones with atomic Cl and O₃: kinetics and products. Physical Chemistry Chemical Physics, 2015, 17, 12000-12012.	1.3	24
86	Sulfate Formation Apportionment during Winter Haze Events in North China. Environmental Science & Technology, 2022, 56, 7771-7778.	4.6	24
87	Fast and accurate measurement of diffusion coefficient by Taylorâ€™s dispersion analysis. Science Bulletin, 2007, 52, 3325-3332.	1.7	23
88	Rate constants for the gas phase reaction of ozone with n-butyl acrylate and ethyl methacrylate. Chemical Physics Letters, 2009, 473, 57-60.	1.2	23
89	Two complexes (Cu, Zn) with 1,10-phenanthroline and a tridentate amino-Schiff-base: crystal structures, spectra, thermogravimetric analyses and superoxide dismutase activity. Journal of Coordination Chemistry, 2009, 62, 745-756.	0.8	23
90	A 3D study on the amplification of regional haze and particle growth by local emissions. Npj Climate and Atmospheric Science, 2021, 4, .	2.6	23

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91	Quantification of nearâ€attomole gibberellins in floral organs dissected from a single Arabidopsis thaliana flower. Plant Journal, 2017, 91, 547-557.	2.8	22
92	Clustering mechanism of oxocarboxylic acids involving hydration reaction: Implications for the atmospheric models. Journal of Chemical Physics, 2018, 148, 214303.	1.2	22
93	Rapid Sulfate Formation via Uncatalyzed Autoxidation of Sulfur Dioxide in Aerosol Microdroplets. Environmental Science & Technology, 2022, 56, 7637-7646.	4.6	22
94	Optical Properties and Applications of Photochromic Fulgides. Molecular Crystals and Liquid Crystals, 2005, 430, 211-219.	0.4	21
95	First Experimental Observation of Gas-Phase Nitrosyl Thiocyanate. European Journal of Inorganic Chemistry, 2006, 2006, 2469-2475.	1.0	21
96	Kinetics of the gas-phase reactions of some unsaturated alcohols with Cl atoms and O3. Atmospheric Environment, 2011, 45, 53-59.	1.9	21
97	Direct Derivatization and Quantitation of Ultra-trace Gibberellins in Sub-milligram Fresh Plant Organs. Molecular Plant, 2016, 9, 175-177.	3.9	21
98	Advances in fluorescent probes for detection and imaging of endogenous tyrosinase activity. Analytical Biochemistry, 2020, 594, 113614.	1.1	21
99	Knudsen cell and smog chamber study of the heterogeneous uptake of sulfur dioxide on Chinese mineral dust. Journal of Environmental Sciences, 2014, 26, 2423-2433.	3.2	20
100	Light absorption properties and potential sources of brown carbon in Fenwei Plain during winter 2018â€“2019. Journal of Environmental Sciences, 2021, 102, 53-63.	3.2	20
101	Secondary Formation and Impacts of Gaseous Nitro-Phenolic Compounds in the Continental Outflow Observed at a Background Site in South China. Environmental Science & Technology, 2022, 56, 6933-6943.	4.6	20
102	Oxidation of 3,4â€Diarylâ€2,5â€dihydrothiophenes to 3,4â€Diarylthiophenes Using CuBr₂: Simple and Efficient Preparation of 3,4â€Diarylthiophenes. European Journal of Organic Chemistry, 2007, 2007, 5661-5664.	1.2	19
103	Chemical Strategy to Stepwise Amplification of Signals in Surface Plasmon Resonance Imaging Detection of Saccharides and Glycoconjugates. Analytical Chemistry, 2016, 88, 10011-10018.	3.2	19
104	A Selective, Fluorescent Sensor for Zn2+. ChemPhysChem, 2004, 5, 564-566.	1.0	18
105	Preparation of biocompatible and photostable PEGylated red fluorescent nanoparticles for cellular imaging. Polymer Chemistry, 2015, 6, 5891-5898.	1.9	18
106	Likely Aggregation-Sex Pheromones of the Invasive BeetleCallidiellum villosulum, and the Related Asian SpeciesAllotraeus asiaticus,Semanotus bifasciatus, andXylotrechus buqueti(Coleoptera: Cerambycidae). Journal of Economic Entomology, 2016, 109, 2243-2246.	0.8	18
107	Optical properties of secondary organic aerosols derived from long-chain alkanes under various NOx and seed conditions. Science of the Total Environment, 2017, 579, 1699-1705.	3.9	18
108	Review of Chinese atmospheric science research over the past 70 years: Atmospheric physics and atmospheric environment. Science China Earth Sciences, 2019, 62, 1903-1945.	2.3	18

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109	Experimental and theoretical studies on different ionic states of ethylthio CH3CH2S radical. Journal of Chemical Physics, 2000, 113, 1866-1869.	1.2	16
110	Heterogeneous uptake of nitrogen dioxide on Chinese mineral dust. Journal of Environmental Sciences, 2015, 38, 110-118.	3.2	16
111	Heterogeneous Formation of HONO Catalyzed by CO₂. Environmental Science & Technology, 2021, 55, 12215-12222.	4.6	16
112	Molecular Composition of Oxygenated Organic Molecules and Their Contributions to Organic Aerosol in Beijing. Environmental Science & Technology, 2022, 56, 770-778.	4.6	16
113	On-Line Preconcentration and Analysis of Metribuzin Residues in Corn Fields by Use of a Molecularly Imprinted Polymer. Chromatographia, 2009, 69, 615-619.	0.7	15
114	Magnetic Ni/SiO2composite microcapsules prepared by one-pot synthesis. Journal of Materials Chemistry, 2009, 19, 1245-1251.	6.7	15
115	MB 8 2â˜ (M = Be, Mg, Ca, Sr, and Ba): Planar octacoordinate alkaline earth metal atoms enclosed by boron rings. Science China Chemistry, 2010, 53, 1737-1745.	4.2	15
116	A large-scale outdoor atmospheric simulation smog chamber for studying atmospheric photochemical processes: Characterization and preliminary application. Journal of Environmental Sciences, 2021, 102, 185-197.	3.2	15
117	Important Oxidants and Their Impact on the Environmental Effects of Aerosols. Journal of Physical Chemistry A, 2021, 125, 3813-3825.	1.1	15
118	Long-chain alkanes in the atmosphere: A review. Journal of Environmental Sciences, 2022, 114, 37-52.	3.2	15
119	Red fluorescent chitosan nanoparticles grafted with poly(2-methacryloyloxyethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 342 Td	2.5	14
120	Hygroscopic behavior of water-soluble matter in marine aerosols over the East China Sea. Science of the Total Environment, 2017, 578, 307-316.	3.9	14
121	Gas-Phase Reaction of Methyl n-Propyl Ether with OH, NO₃, and Cl: Kinetics and Mechanism. Journal of Physical Chemistry A, 2017, 121, 6800-6809.	1.1	14
122	Surface plasmon resonance sensing with adjustable sensitivity based on a flexible liquid core coupling unit. Talanta, 2018, 184, 468-474.	2.9	14
123	Effect of Titanium Dioxide on Secondary Organic Aerosol Formation. Environmental Science & Technology, 2018, 52, 11612-11620.	4.6	14
124	A bi-end injection capillary electrophoresis method for simultaneous determination of 37 cations and anions in beers. Analytical and Bioanalytical Chemistry, 2019, 411, 4113-4121.	1.9	14
125	Environmental Processing of Short-Chain Fatty Alcohols Induced by Photosensitized Chemistry of Brown Carbons. ACS Earth and Space Chemistry, 2020, 4, 631-640.	1.2	14
126	Chiral Separation and Enantiomeric Purity Determination of Pazufloxacin Mesilate by HPLC Using Chiral Mobile Phase Additives. Journal of Liquid Chromatography and Related Technologies, 2004, 27, 813-827.	0.5	13

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127	Preparation of Monolayer Photonic Crystals from Ag Nanobulge-Deposited SiO2 Particles as Substrates for Reproducible SERS Assay of Trace Thiol Pesticide. Nanomaterials, 2020, 10, 1205.	1.9	13
128	Chiral ion-exchange capillary electrochromatography of arylglycine amides with dextran sulfate as a pseudostationary phase. Electrophoresis, 2005, 26, 833-840.	1.3	12
129	Enhanced secondary organic aerosol formation from the photo-oxidation of mixed anthropogenic volatile organic compounds. Atmospheric Chemistry and Physics, 2021, 21, 7773-7789.	1.9	12
130	The protonâ€coupled proton transfer mechanism, H₂O catalysis, and hydrogen tunneling effects in the reaction of HNCH₂ with HCOOH in the interstellar medium. International Journal of Quantum Chemistry, 2010, 110, 2671-2682.	1.0	11
131	Heterogeneous Uptake of Gasâ€Phase Acetic Acid on the Surface of Î±â€Al₂O₃ Particles: Temperature Effects. Chemistry - an Asian Journal, 2016, 11, 2749-2755.	1.7	11
132	A universal strategy for direct immobilization of intact bioactivity-conserved carbohydrates on gold nanoparticles. RSC Advances, 2016, 6, 85333-85339.	1.7	11
133	Heterogeneous uptake of gaseous hydrogen peroxide on mineral dust. Journal of Environmental Sciences, 2016, 40, 44-50.	3.2	11
134	Water uptake of multicomponent organic mixtures and their influence on hygroscopicity of inorganic salts. Journal of Environmental Sciences, 2016, 45, 156-163.	3.2	11
135	Prionic Acid: An Effective Sex Attractant for an Important Pest of Sugarcane,Dorysthenes granulosus(Coleoptera: Cerambycidae: Prioninae). Journal of Economic Entomology, 2016, 109, 484-486.	0.8	11
136	Facile derivatization of ultratrace carboxylic acids in saliva for quantification by HPLCâ€“MS/MS. Analytical and Bioanalytical Chemistry, 2018, 410, 4293-4300.	1.9	11
137	Design and construction of COX-2 specific fluorescent probes. Molecular and Cellular Probes, 2019, 48, 101472.	0.9	11
138	Evaluation and impact factors of indoor and outdoor gas-phase nitrous acid under different environmental conditions. Journal of Environmental Sciences, 2020, 95, 165-171.	3.2	11
139	Chiral separation of N-(trans-4-isopropylcyclohexylcarbonyl)-D,L-phenylalanine isomers by high performance liquid chromatography. Chromatographia, 2002, 56, 515-518.	0.7	10
140	Experimental and theoretical studies of the reaction between cationic vanadium oxide clusters and acetylene. Science Bulletin, 2008, 53, 3829-3838.	4.3	10
141	Smog chamber studies of ozone formation potentials for isopentane. Science Bulletin, 2009, 54, 4624-4632.	4.3	10
142	â€˜Locking and unlocking controlâ€™ of photochromism of naphthopyran derivative. Journal of Physical Organic Chemistry, 2010, 23, 207-210.	0.9	10
143	Uptake of gas-phase alkylamines by sulfuric acid. Science Bulletin, 2011, 56, 1241-1245.	1.7	10
144	Specific interaction of platinated DNA and proteins by surface plasmon resonance imaging. RSC Advances, 2016, 6, 21900-21906.	1.7	10

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145	Dualâ€Phase Separation in a Semiconfined System: Monodispersed Heterogeneous Blockâ€Copolymer Membranes for Cell Encoding and Patterning. Advanced Materials, 2017, 29, 1605932.	11.1	10
146	Development and application of the multi-wavelength cavity ring-down aerosol extinction spectrometer. Journal of Environmental Sciences, 2019, 76, 227-237.	3.2	10
147	Recent progress in fluorescent aptasensors for the detection of aflatoxin B1 in food. Analytical Methods, 2022, 14, 86-96.	1.3	10
148	Sources of ambient non-methane hydrocarbon compounds and their impacts on O3 formation during autumn, Beijing. Journal of Environmental Sciences, 2022, 114, 85-97.	3.2	10
149	Two Novel Species, (Methoxycarbonyl)sulfenyl Thiocyanate and (Methoxycarbonyl)sulfenyl Selenocyanate: Spectroscopic Characterization by Photoelectron Spectroscopy and Quantum Chemical Investigation. European Journal of Inorganic Chemistry, 2007, 2007, 4514-4519.	1.0	9
150	Modulation of color change and photocyclization of diarylethene with metal complex. Journal of Physical Organic Chemistry, 2011, 24, 517-521.	0.9	9
151	Modulation of absorption and fluorescence of photochromic diarylethene by intramolecular hydrogen bond. Journal of Physical Organic Chemistry, 2012, 25, 142-146.	0.9	9
152	An experimental kinetic study and products research of the reactions of O3 with a series of unsaturated alcohols. Atmospheric Environment, 2016, 145, 455-467.	1.9	9
153	Gas-Phase Oxidation of Allyl Acetate by O3, OH, Cl, and NO3: Reaction Kinetics and Mechanism. Journal of Physical Chemistry A, 2018, 122, 1600-1611.	1.1	9
154	The formation and growth of calcium sulfate crystals through oxidation of SO₂by O₃on size-resolved calcium carbonate. RSC Advances, 2018, 8, 16285-16293.	1.7	9
155	Enhanced fluoride removal behaviour and mechanism by dicalcium phosphate from aqueous solution. Environmental Technology (United Kingdom), 2019, 40, 3668-3677.	1.2	9
156	Adsorption and Photodegradation of Acetaldehyde and Ethylene on TiO2 (001) Surface: Experimental and First Principle Studies. Catalysis Letters, 2019, 149, 2728-2738.	1.4	9
157	Effect of chemical structure on optical properties of secondary organic aerosols derived from C12 alkanes. Science of the Total Environment, 2021, 751, 141620.	3.9	9
158	The Levels and Sources of Nitrous Acid (HONO) in Winter of Beijing and Sanmenxia. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	9
159	Synthesis, spectra, structure and quantum chemistry study on two novel oxovanadium complexes with hydrotris (pyrazolyl) borate ligands. Science Bulletin, 2006, 51, 661-667.	1.7	8
160	Gas-Phase Generation, Structure, Spectroscopy, and Quantum Chemical Calculations of Fluorocarbonylsulfur Thiocyanate, FC(O)SSCN. European Journal of Inorganic Chemistry, 2008, 2008, 3987-3995.	1.0	8
161	Kinetic study of the reaction of chlorine atoms with 3-methyl-3-buten-1-ol. Science Bulletin, 2009, 54, 3808-3812.	1.7	8
162	Photochromic Properties of Naphthopyrans â€“ PMMA Thin Film. Molecular Crystals and Liquid Crystals, 2009, 501, 62-71.	0.4	8

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163	Heterogeneous Uptake of Formic Acid and Acetic Acid on Mineral Dust and Coal Fly Ash. ACS Earth and Space Chemistry, 2020, 4, 202-210.	1.2	8
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