

# Guangfei Qu

## List of Publications by Year in descending order

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248  
papers

4,763  
citations

136950

32  
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149698

56  
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253  
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253  
docs citations

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times ranked

5369  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of MgX/Al <sub>2</sub> O <sub>3</sub> -Y sorbent for highly efficient simultaneous removal of hydrogen fluoride and hydrogen chloride under low-temperature environment. Environmental Technology (United Kingdom), 2023, 44, 2230-2243.	2.2	1
2	Resource degradation of pharmacy sludge in sub-supercritical system with high degradation rate of 99% and formic acid yield of 32.44%. Environmental Technology (United Kingdom), 2023, 44, 2184-2199.	2.2	5
3	Synergetic effect between Fe and Ti species on Fe <sup>III</sup> -Ti <sup>IV</sup> for hydrogen cyanide purification. Environmental Technology (United Kingdom), 2022, 43, 3531-3537.	2.2	3
4	Nano-sized Ag rather than single-atom Ag determines CO oxidation activity and stability. Nano Research, 2022, 15, 452-456.	10.4	35
5	Green synthesis of a novel functionalized chitosan adsorbent for Cu(II) adsorption from aqueous solution. Environmental Science and Pollution Research, 2022, 29, 989-998.	5.3	10
6	Removal of SO <sub>2</sub> from flue gas using blast furnace dust as an adsorbent. Environmental Science and Pollution Research, 2022, 29, 15642-15653.	5.3	8
7	Evaluation of the permeability and potential toxicity of polycyclic aromatic hydrocarbons to pulmonary surfactant membrane by the parallel artificial membrane permeability assay model. Chemosphere, 2022, 290, 132485.	8.2	2
8	Stability study of the As(V)-Fe(III) oxyhydroxide coprecipitate over a broad pH range: Characteristics and mechanism. Science of the Total Environment, 2022, 806, 150794.	8.0	6
9	Study on SO <sub>2</sub> Poisoning Mechanism of CO Catalytic Oxidation Reaction on Copper-Cerium Catalyst. Catalysis Letters, 2022, 152, 2729-2737.	2.6	5
10	Thiol-functionalized multi-walled carbon nanotubes for effective removal of Pb(II) from aqueous solutions. Materials Chemistry and Physics, 2022, 278, 125688.	4.0	20
11	Study of Semi-Dry High Target Solidification/Stabilization of Harmful Impurities in Phosphogypsum by Modification. Molecules, 2022, 27, 462.	3.8	7
12	Particle-bound polycyclic aromatic hydrocarbons in typical urban of Yunnan-Guizhou Plateau: Characterization, sources and risk assessment. Frontiers of Environmental Science and Engineering, 2022, 16, 1.	6.0	7
13	Cubic structured SrTiO <sub>3</sub> with Ce/Cr Co-doping for photoinduced catalytic oxidation of gaseous mercury. Chemosphere, 2022, 295, 133828.	8.2	11
14	Enhanced biological phosphorus removal from wastewater by current stimulation coupled with anaerobic digestion. Chemosphere, 2022, 293, 133661.	8.2	4
15	Chemical Composition and Source Apportionment of PM <sub>2.5</sub> in a Border City in Southwest China. Atmosphere, 2022, 13, 7.	2.3	4
16	Preparation of ozone for simultaneous removal of SO <sub>2</sub> and NO <sub>x</sub> with mud-phosphorus slurry. Journal of Central South University, 2022, 29, 386-396.	3.0	1
17	Research on the electrochemistry synergied cellulase enzymes strengthens the anaerobic fermentation of cow dung. Environmental Science and Pollution Research, 2022, 29, 55174-55186.	5.3	7
18	Harmless treatment technology of phosphogypsum: Directional stabilization of toxic and harmful substances. Journal of Environmental Management, 2022, 311, 114827.	7.8	37

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19	Utilization path of bulk industrial solid waste: A review on the multi-directional resource utilization path of phosphogypsum. <i>Journal of Environmental Management</i> , 2022, 313, 114957.	7.8	66
20	Pollution Characteristics and Health Risk Assessment of VOCs in Jinghong. <i>Atmosphere</i> , 2022, 13, 613.	2.3	5
21	Degradation mechanism of HCN by electrochemically coupled copper-loaded magnetic nanoparticles in a liquid phase pseudo-homogeneous system. <i>Environmental Science and Pollution Research</i> , 2022, , 1.	5.3	0
22	The Contents of Potentially Toxic Elements and Emission Characteristics of PM <sub>2.5</sub> in Soil Fugitive Dust around Six Cities of the Yunnan-Guizhou Plateau in China. <i>Atmosphere</i> , 2022, 13, 678.	2.3	2
23	Investigation of the Role of Copper Species-Modified Active Carbon by Low-Temperature Roasting on the Improvement of Arsine Adsorption. <i>ACS Omega</i> , 2022, 7, 17358-17368.	3.5	4
24	The impact mechanism of chlortetracycline on different stages of anaerobic fermentation of organic wastes. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107923.	6.7	5
25	Effect of external field on the migration and transformation of copper in sludge fermentation. <i>Renewable Energy</i> , 2022, 195, 1426-1437.	8.9	3
26	Simultaneous desulfurization and denitrification by electrodialysis. <i>Separation and Purification Technology</i> , 2021, 259, 117009.	7.9	1
27	Preparation of MCM-41 supported nickel NPs for the high-efficiency semi-hydrogenation of acetylene. <i>New Journal of Chemistry</i> , 2021, 45, 1054-1062.	2.8	5
28	Advance in Using Plasma Technology for Modification or Fabrication of Carbon-Based Materials and Their Applications in Environmental, Material, and Energy Fields. <i>Advanced Functional Materials</i> , 2021, 31, 2006287.	14.9	55
29	O <sub>3</sub> oxidation excited by yellow phosphorus emulsion coupling with red mud absorption for denitration. <i>Journal of Hazardous Materials</i> , 2021, 403, 123971.	12.4	19
30	Effects of flocculant-modified phosphogypsum on sludge treatment: investigation of the operating parameters, variations of the chemical groups, and heavy metals in the sludge. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 184-196.	2.4	0
31	Removal of elemental mercury by photocatalytic oxidation over La <sub>2</sub> O <sub>3</sub> /Bi <sub>2</sub> O <sub>3</sub> composite. <i>Journal of Environmental Sciences</i> , 2021, 102, 384-397.	6.1	21
32	Effect of the acid used in the evaporation-induced self-assembly method on Ce-Cu-Al trimetallic composite catalyst for its simultaneous removal of H <sub>2</sub> S and PH <sub>3</sub> . <i>New Journal of Chemistry</i> , 2021, 45, 5822-5828.	2.8	1
33	Activated carbon-based composites for capturing CO <sub>2</sub> : a review. , 2021, 11, 377-393.		27
34	Preparation of proton block and highly conductive AEM by creating PANI dominated and hydrophobicity ion channels for sulfuric acid enrichment. <i>Polymers for Advanced Technologies</i> , 2021, 32, 2131-2141.	3.2	3
35	Research on dynamics and mechanism of treatment on phenol simulated wastewater by the ultrasound cooperated electro-assisted micro-electrolysis. <i>Water Environment Research</i> , 2021, 93, 1243-1253.	2.7	7
36	A Review of the Application of Steel Slag in CO <sub>2</sub> Fixation. <i>ChemBioEng Reviews</i> , 2021, 8, 189-199.	4.4	34

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37	Removal of SO <sub>2</sub> from smelting flue gas by using copper tailings with MnSO <sub>4</sub> : factors optimization by response surface methodology. <i>Environmental Science and Pollution Research</i> , 2021, 28, 48417-48426.	5.3	7
38	A Cu-modified active carbon fiber significantly promoted H <sub>2</sub> S and PH <sub>3</sub> simultaneous removal at a low reaction temperature. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	6.0	11
39	Cu/HZSM-5 Sorbent Treated by NH <sub>3</sub> Plasma for Low-Temperature Simultaneous Adsorption of H <sub>2</sub> S and PH <sub>3</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 24670-24681.	8.0	26
40	Mass Concentration, Chemical Composition, and Source Characteristics of PM <sub>2.5</sub> in a Plateau Slope City in Southwest China. <i>Atmosphere</i> , 2021, 12, 611.	2.3	8
41	Formation Process of Silicate-Iron Oxyhydroxide Complex and Its Influence on the Distribution of Heavy Metals in Mining Area. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021, 107, 990-995.	2.7	1
42	Influence of drying and calcination temperatures for Ce-Cu-Al trimetallic composite catalyst on simultaneous removal H <sub>2</sub> S and PH <sub>3</sub> : Experimental and DFT studies. <i>Journal of Environmental Sciences</i> , 2021, 104, 277-287.	6.1	5
43	Resource utilization of agricultural residues: one-step preparation of biochar derived from <i>Pennisetum giganteum</i> for efficiently removing chromium from water in a wide pH range. <i>Environmental Science and Pollution Research</i> , 2021, 28, 69381-69392.	5.3	7
44	From wastes to functions: A paper mill sludge-based calcium-containing porous biochar adsorbent for phosphorus removal. <i>Journal of Colloid and Interface Science</i> , 2021, 593, 434-446.	9.4	61
45	Construction of Dot-Matrix Cu <sub>0</sub> -Cu <sub>1</sub> Ni <sub>3</sub> Alloy Nano-Dispersions on the Surface of Porous N-Autodoped Biochar for Selective Hydrogenation of Furfural. <i>ChemCatChem</i> , 2021, 13, 4164.	3.7	6
46	Preparation of recyclable materials for removing heavy metal ions in aqueous solution and wastewater applications. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 3330-3341.	3.2	3
47	Research on the efficient water-absorbing ceramsite generated by dredged sediments in Dian Lake, China and coal fly ash. <i>Water Environment Research</i> , 2021, 93, 2769-2779.	2.7	3
48	Interfacial interaction between benzo[a]pyrene and pulmonary surfactant: Adverse effects on lung health. <i>Environmental Pollution</i> , 2021, 287, 117669.	7.5	8
49	Study on the role of copper converter slag in simultaneously removing SO <sub>2</sub> and NO using KMnO <sub>4</sub> /copper converter slag slurry. <i>Journal of Environmental Sciences</i> , 2021, 108, 33-43.	6.1	25
50	Efficient purification of hydrogen cyanide by synergistic effects of electrochemical and liquid phase catalysis. <i>Ecotoxicology and Environmental Safety</i> , 2021, 225, 112784.	6.0	2
51	Concentrations, Source Characteristics, and Health Risk Assessment of Toxic Heavy Metals in PM <sub>2.5</sub> in a Plateau City (Kunming) in Southwest China. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 11004.	2.6	10
52	Enhanced anaerobic fermentation of dairy manure by microelectrolysis in electric and magnetic fields. <i>Renewable Energy</i> , 2020, 146, 2758-2765.	8.9	31
53	Crystal regulation of gypsum via hydrothermal treatment with hydrogen ion for Cr(VI) extraction. <i>Journal of Hazardous Materials</i> , 2020, 390, 120614.	12.4	15
54	Chromium slag detoxification by carbon monoxide off-gases and optimization of detoxification parameters by Box-Behnken design. <i>Journal of Material Cycles and Waste Management</i> , 2020, 22, 111-122.	3.0	0

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55	The promotional effect of SO <sub>2</sub> on N <sub>2</sub> selectivity for selective catalytic oxidation of ammonia over RuO <sub>2</sub> /ZrO <sub>2</sub> catalyst. <i>Research on Chemical Intermediates</i> , 2020, 46, 803-820.	2.7	3
56	In situ DRIFTS investigation on CeO <sub>2</sub> /TiO <sub>2</sub> -ZrO <sub>2</sub> -SO <sub>2</sub> catalyst for NH <sub>3</sub> -SCR: the influence of surface acidity and reducibility. <i>Research on Chemical Intermediates</i> , 2020, 46, 475-489.	2.7	5
57	Regeneration of the exhausted mesoporous Cu/SBA-15-[N] for simultaneous adsorption-oxidation of hydrogen sulfide and phosphine. <i>Research on Chemical Intermediates</i> , 2020, 46, 329-346.	2.7	9
58	Novel synthesis of aluminum hydroxide gel-coated nano zero-valent iron and studies of its activity in flocculation-enhanced removal of tetracycline. <i>Journal of Environmental Sciences</i> , 2020, 89, 194-205.	6.1	32
59	Enhanced adsorption of hydrophobic organic contaminants by high surface area porous graphene. <i>Environmental Science and Pollution Research</i> , 2020, 27, 7309-7317.	5.3	8
60	Identification of the key host phases of Cr in fresh chromite ore processing residue (COPR). <i>Science of the Total Environment</i> , 2020, 703, 135075.	8.0	37
61	Enhancement of the electrocatalytic oxidation of antibiotic wastewater over the conductive black carbon-PbO <sub>2</sub> electrode prepared using novel green approach. <i>Frontiers of Environmental Science and Engineering</i> , 2020, 14, 1.	6.0	22
62	Highly efficient WO <sub>3</sub> -FeO catalysts synthesized using a novel solvent-free method for NH <sub>3</sub> -SCR. <i>Journal of Hazardous Materials</i> , 2020, 388, 121812.	12.4	46
63	Inorganic flocculant for sludge treatment: Characterization, sludge properties, interaction mechanisms and heavy metals variations. <i>Journal of Environmental Management</i> , 2020, 275, 111255.	7.8	12
64	Surface characterization study of corn-straw biochar catalysts for the simultaneous removal of HCN, COS, and CS <sub>2</sub> . <i>New Journal of Chemistry</i> , 2020, 44, 13565-13575.	2.8	12
65	Seeded-growth preparation of high-performance Ni/MgAl <sub>2</sub> O <sub>4</sub> catalysts for tar steam reforming. <i>New Journal of Chemistry</i> , 2020, 44, 13692-13700.	2.8	11
66	Value-added utilization of paper sludge: Preparing activated carbon for efficient adsorption of Cr(VI) and further hydrogenation of furfural. <i>Science of the Total Environment</i> , 2020, 741, 140265.	8.0	32
67	Coupled Catalytic Oxidation-Reduction and Hydrolysis with CeMn <sub>2</sub> Catalysts for HCN and NO Removal. <i>Energy &amp; Fuels</i> , 2020, 34, 8543-8551.	5.1	1
68	An efficient Egeria najas-derived biochar supported nZVI composite for Cr(VI) removal: Characterization and mechanism investigation based on visual MINTEQ model. <i>Environmental Research</i> , 2020, 189, 109912.	7.5	62
69	Preparation of modified manganese slag slurry for removal of hydrogen sulphide and phosphine. <i>Canadian Journal of Chemical Engineering</i> , 2020, 98, 1534-1542.	1.7	9
70	Selective hydrogenation of acetylene on the PdLa@N-doped biochar catalyst surface: the evolution of active sites, catalytic performance, and mechanism. <i>New Journal of Chemistry</i> , 2020, 44, 20812-20822.	2.8	5
71	Strong Immobilization of Phosphate in Wastewater onto the Surface of MgO-Modified Industrial Hemp-Stem-Driven Biochar by Flowerlike Crystallization. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 14578-14586.	3.7	21
72	Selective Hydrogenation of Acetylene to Ethylene over the Surface of Sub-2 nm Pd Nanoparticles in <i>Miscanthus sinensis</i> -Derived Microporous Carbon Tubes. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11638-11648.	6.7	14

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73	Preparation of Tetraethylenepentamine-Functionalized 4A Zeolite for effective removal of phosphate in water. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5861.	3.5	3
74	Detection of HOA <sup>•</sup> in electrochemical process and degradation mechanism of pyridine. <i>Journal of Applied Electrochemistry</i> , 2020, 50, 1139-1147.	2.9	1
75	First-principles studies of HF and HCl adsorption over graphene. <i>Journal of Molecular Modeling</i> , 2020, 26, 262.	1.8	4
76	Reaction Mechanism of Simultaneous Removal of H <sub>2</sub> S and PH <sub>3</sub> Using Modified Manganese Slag Slurry. <i>Catalysts</i> , 2020, 10, 1384.	3.5	9
77	Removal of SO <sub>2</sub> and NO <sub>x</sub> from flue gas using mud-phosphorus slurry. <i>Environmental Science and Pollution Research</i> , 2020, 27, 23270-23280.	5.3	13
78	Surface characterization of metal oxides-supported activated carbon fiber catalysts for simultaneous catalytic hydrolysis of carbonyl sulfide and carbon disulfide. <i>Journal of Environmental Sciences</i> , 2020, 96, 44-54.	6.1	22
79	Short-range ordered Co(OH) <sub>2</sub> /TiO <sub>2</sub> for boosting sulfite oxidation: Performance and mechanism. <i>Journal of Colloid and Interface Science</i> , 2020, 571, 90-99.	9.4	17
80	Efficient Removal of Thallium from Flue Gas Using Manganese-Based MOF Catalysts by Gas-Solid Phase Catalytic Oxidation and Adsorption. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 12955-12963.	3.7	7
81	Non-thermal plasma-enhanced low-temperature catalytic desulfurization of electrolytic aluminum flue gas by CuO-ZrSnO <sub>4</sub> : experimental and numerical analysis. <i>Environmental Science and Pollution Research</i> , 2020, 27, 39474-39489.	5.3	2
82	A review of thermal homogeneous catalytic deoxygenation reactions for valuable products. <i>Heliyon</i> , 2020, 6, e03446.	3.2	12
83	Efficient Removal of Sulfur Dioxide from Flue Gas through Liquid Catalytic Oxidation Using Copper Tailing as the <i>In Situ</i> Iron Ion Donator. <i>Energy &amp; Fuels</i> , 2020, 34, 3513-3521.	5.1	4
84	Preparation of polyacrylonitrile-based activated carbon fiber for CS <sub>2</sub> adsorption. <i>Research on Chemical Intermediates</i> , 2020, 46, 3459-3476.	2.7	9
85	Preparation of ferric nitrate-graphene nanocomposite and its adsorption of arsenic(V) from simulated arsenic-containing wastewater. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5221.	3.5	4
86	Influence of surface characteristics on carbon disulfide catalytic hydrolysis over modified lake sediment biochar and research on deactivated mechanism. <i>Surface and Interface Analysis</i> , 2019, 51, 1093-1101.	1.8	6
87	Nonreductive biomineralization of uranium by <i>Bacillus subtilis</i> ATCC 6633 under aerobic conditions. <i>Journal of Environmental Radioactivity</i> , 2019, 208-209, 106027.	1.7	16
88	Degradation mechanism of lignocellulose in dairy cattle manure with the addition of calcium oxide and superphosphate. <i>Environmental Science and Pollution Research</i> , 2019, 26, 33683-33693.	5.3	21
89	Solid-Waste-Derived Carbon Dioxide-Capturing Materials. <i>ChemSusChem</i> , 2019, 12, 2055-2082.	6.8	43
90	New insight into the reaction mechanism of carbon disulfide hydrolysis and the impact of H <sub>2</sub> S with density functional modeling. <i>New Journal of Chemistry</i> , 2019, 43, 2347-2352.	2.8	7

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91	Investigating effect of pH values on CeSiW catalyst for the selective catalytic reduction of NO by NH <sub>3</sub> . Research on Chemical Intermediates, 2019, 45, 2313-2326.	2.7	2
92	Interaction of inhalable volatile organic compounds and pulmonary surfactant: Potential hazards of VOCs exposure to lung. Journal of Hazardous Materials, 2019, 369, 512-520.	12.4	79
93	Influence of dissolved organic matter components on arsenate adsorption/desorption by TiO <sub>2</sub> . Journal of Hazardous Materials, 2019, 378, 120780.	12.4	10
94	Catalytic synthesis of non-carbon fuel NH <sub>3</sub> from easily available N <sub>2</sub> and H <sub>2</sub> O over FeO(100) surface: study of reaction mechanism using the density functional theory. New Journal of Chemistry, 2019, 43, 10066-10072.	2.8	5
95	Adsorption Performance of Gaseous HCN on Ni/Al Hydrotalcite-Derived Oxides. Journal of Chemical Engineering of Japan, 2019, 52, 392-400.	0.6	1
96	High efficiency of Mn <sup>2+</sup> /Ce <sup>4+</sup> -modified TiO <sub>2</sub> catalysts for the low-temperature oxidation of Hg <sup>0</sup> under a reducing atmosphere. Applied Organometallic Chemistry, 2019, 33, e4866.	3.5	8
97	Characterization of Metal Oxide-modified Walnut-shell Activated Carbon and Its Application for Phosphine Adsorption: Equilibrium, Regeneration, and Mechanism Studies. Journal Wuhan University of Technology, Materials Science Edition, 2019, 34, 487-495.	1.0	17
98	Removal of SO <sub>2</sub> from flue gas using Bayer red mud: Influence factors and mechanism. Journal of Central South University, 2019, 26, 467-478.	3.0	13
99	Density functional theory analysis of selective adsorption of AsH <sub>3</sub> on transition metal-doped graphene. Journal of Molecular Modeling, 2019, 25, 145.	1.8	15
100	Selective Conversion of Phenol in a Subcritical Water Medium Using $\gamma$ -Al <sub>2</sub> O <sub>3</sub> Supported Ni <sup>2+</sup> /Co Bimetallic Catalyst. Catalysts, 2019, 9, 212.	3.5	11
101	Substitution-mediated enhanced adsorption of low concentration As( <sup>v</sup> ) from water by mesoporous Mn <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> microspheres. Environmental Science: Nano, 2019, 6, 1406-1417.	4.3	4
102	Mechanism of dry detoxification of chromium slag by carbon monoxide. Environmental Chemistry Letters, 2019, 17, 1375-1381.	16.2	11
103	Interaction of pulmonary surfactant with silica and polycyclic aromatic hydrocarbons: Implications for respiratory health. Chemosphere, 2019, 222, 603-610.	8.2	20
104	Research on the variations of organics and heavy metals in municipal sludge with additive acetic acid and modified phosphogypsum. Water Research, 2019, 155, 42-55.	11.3	33
105	Reactive Metal <sup>+</sup> /Biopolymer Interactions for Semihydrogenation of Acetylene. ACS Catalysis, 2019, 9, 11146-11152.	11.2	22
106	Efficient removal of low-concentration Cr( <sup>vi</sup> ) from aqueous solution by 4A/HACC particles. New Journal of Chemistry, 2019, 43, 17220-17230.	2.8	9
107	Facile assembly of novel g-C <sub>3</sub> N <sub>4</sub> @expanded graphite and surface loading of nano zero-valent iron for enhanced synergistic degradation of tetracycline. RSC Advances, 2019, 9, 34658-34670.	3.6	23
108	DFT calculation of AsH <sub>3</sub> adsorption and dissociation on Ni- and Cu-doped graphene. Journal of Molecular Modeling, 2019, 25, 358.	1.8	5

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109	Theoretical study on simultaneous removal of SO <sub>2</sub> , NO, and HgO over graphene: competitive adsorption and adsorption type change. <i>Journal of Molecular Modeling</i> , 2019, 25, 364.	1.8	9
110	Mechanism of Catalytic Effect of Water Clusters on the Oxidation of Phosphine Gas. <i>Russian Journal of Physical Chemistry A</i> , 2019, 93, 2373-2382.	0.6	1
111	Simultaneous Removal of Elemental Mercury and Arsine from a Reducing Atmosphere Using Chloride and Cerium Modified Activated Carbon. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 23529-23539.	3.7	8
112	The inhibition effect and deactivation mechanism of H <sub>2</sub> O and SO <sub>2</sub> on selective catalytic oxidation of NO over the Mn-Ca-O (CO <sub>3</sub> ) <sub>y</sub> catalyst. <i>New Journal of Chemistry</i> , 2019, 43, 19279-19285.	2.8	9
113	Unexpected Highly Reversible Lithium-Silicate-Based CO <sub>2</sub> Sorbents Derived from Sediment of Dianchi Lake. <i>Energy &amp; Fuels</i> , 2019, 33, 1734-1744.	5.1	18
114	Chitosan Modifying Nanoscale Zero Valent Iron for Tetracycline Removal from Aqueous Solutions: Proposed Pathway. <i>Environmental Engineering Science</i> , 2019, 36, 273-282.	1.6	13
115	Removal of low-concentration thiophene by DC corona discharge plasma. <i>Environmental Science and Pollution Research</i> , 2019, 26, 1606-1614.	5.3	1
116	Highly efficient immobilization of NZVI onto bio-inspired reagents functionalized polyacrylonitrile membrane for Cr(VI) reduction. <i>Chemosphere</i> , 2019, 220, 1003-1013.	8.2	47
117	Interaction of nano carbon particles and anthracene with pulmonary surfactant: The potential hazards of inhaled nanoparticles. <i>Chemosphere</i> , 2019, 215, 746-752.	8.2	33
118	Comparison of sulfuric acid- or phosphoric acid-modified CeO <sub>2</sub> and the influence of surface acidity and redox property on its activity toward NH <sub>3</sub> -SCR. <i>Research on Chemical Intermediates</i> , 2019, 45, 645-661.	2.7	12
119	Catalytic gasification of phenol in supercritical water over bimetallic Co-Ni/AC catalyst. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 2182-2190.	2.2	13
120	Ferrocene-catalyzed heterogeneous Fenton-like degradation mechanisms and pathways of antibiotics under simulated sunlight: A case study of sulfamethoxazole. <i>Journal of Hazardous Materials</i> , 2018, 353, 26-34.	12.4	77
121	Comparison on surface properties and desulfurization of MnO <sub>2</sub> and pyrolusite blended activated carbon by steam activation. <i>Journal of the Air and Waste Management Association</i> , 2018, 68, 958-968.	1.9	2
122	Simultaneous Removal of COS, H <sub>2</sub> S, and Dust in Industrial Exhaust Gas by DC Corona Discharge Plasma. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 6568-6575.	3.7	9
123	Aquatic photochemistry of sulfamethazine: multivariate effects of main water constituents and mechanisms. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 513-522.	3.5	29
124	Changes in physicochemical properties of activated carbon during treatment with supercritical water. <i>Canadian Journal of Chemical Engineering</i> , 2018, 96, 2369-2377.	1.7	1
125	Template in situ inducing dispersion of nickel on SBA-15 for methane reforming with carbon dioxide. <i>Research on Chemical Intermediates</i> , 2018, 44, 2333-2346.	2.7	4
126	Enhanced removal of Cr(VI) from aqueous solution by supported ZnO nanoparticles on biochar derived from waste water hyacinth. <i>Chemosphere</i> , 2018, 195, 632-640.	8.2	178



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127	Density functional theory study on the hydrolysis process of COS and CS <sub>2</sub> on a graphene surface. <i>Research on Chemical Intermediates</i> , 2018, 44, 2637-2651.	2.7	8
128	Self-made anion-exchange membrane with polyaniline as an additive for sulfuric acid enrichment. <i>Chemical Engineering Journal</i> , 2018, 341, 298-307.	12.7	31
129	Characteristic and utilization of pyrolysis productions from Dianchi Lake's sediment in Yunan province in China. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 485-492.	2.3	0
130	Treatment of coking wastewater by a novel electric assisted micro-electrolysis filter. <i>Journal of Environmental Sciences</i> , 2018, 66, 165-172.	6.1	19
131	Adsorption-oxidation of hydrogen sulfide on Fe/walnut-shell activated carbon surface modified by NH <sub>3</sub> -plasma. <i>Journal of Environmental Sciences</i> , 2018, 64, 216-226.	6.1	32
132	Mechanistic and kinetic study on the catalytic hydrolysis of COS in small clusters of sulfuric acid. <i>Environmental Pollution</i> , 2018, 232, 615-623.	7.5	26
133	Preparation of walnut shell-based activated carbon and its properties for simultaneous removal of H <sub>2</sub> S, COS and CS <sub>2</sub> from yellow phosphorus tail gas at low temperature. <i>Research on Chemical Intermediates</i> , 2018, 44, 1209-1233.	2.7	14
134	A lithium-modified zirconium-based metal organic framework (UiO-66) for efficient CO <sub>2</sub> adsorption. <i>New Journal of Chemistry</i> , 2018, 42, 19764-19770.	2.8	25
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