Guangfei Qu

List of Publications by Year
in descending order

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248	4,763	136950	149698
papers	citations	32 h-index	56 g-index

253	253	253	5369
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Simultaneous adsorptive removal of methylene blue and copper ions from aqueous solution by ferroceneâ€modified cation exchange resin. Journal of Applied Polymer Science, 2014, 131, .	2.6	326
2	Degradation Mechanism of Methylene Blue in a Heterogeneous Fenton-like Reaction Catalyzed by Ferrocene. Industrial & Engineering Chemistry Research, 2014, 53, 643-649.	3.7	239
3	Enhanced removal of Cr(VI) from aqueous solution by supported ZnO nanoparticles on biochar derived from waste water hyacinth. Chemosphere, 2018, 195, 632-640.	8.2	178
4	Phosphate removal from wastewater by model-La(III) zeolite adsorbents. Journal of Environmental Sciences, 2008, 20, 670-674.	6.1	141
5	Sulfonated multi-walled carbon nanotubes for biodiesel production through triglycerides transesterification. RSC Advances, 2017, 7, 7250-7258.	3.6	128
6	Investigation on extracellular polymeric substances, sludge flocs morphology, bound water release and dewatering performance of sewage sludge under pretreatment with modified phosphogypsum. Water Research, 2018, 142, 337-346.	11.3	111
7	Emission and profile characteristic of volatile organic compounds emitted from coke production, iron smelt, heating station and power plant in Liaoning Province, China. Science of the Total Environment, 2015, 515-516, 101-108.	8.0	100
8	A new strategy for co-composting dairy manure with rice straw: Addition of different inocula at three stages of composting. Waste Management, 2015, 40, 38-43.	7.4	96
9	Highly selective removal of Zn(II) ion from hot-dip galvanizing pickling waste with amino-functionalized Fe 3 O 4 @SiO 2 magnetic nano-adsorbent. Journal of Colloid and Interface Science, 2016, 462, 235-242.	9.4	96
10	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
11	Ferrocene-catalyzed heterogeneous Fenton-like degradation mechanisms and pathways of antibiotics under simulated sunlight: A case study of sulfamethoxazole. Journal of Hazardous Materials, 2018, 353, 26-34.	12.4	77
12	Utilization path of bulk industrial solid waste: A review on the multi-directional resource utilization path of phosphogypsum. Journal of Environmental Management, 2022, 313, 114957.	7.8	66
13	Use of Fe(II)Fe(III)-LDHs prepared by co-precipitation method in a heterogeneous-Fenton process for degradation of Methylene Blue. Catalysis Today, 2014, 224, 41-48.	4.4	63
14	An efficient Egeria najas-derived biochar supported nZVI composite for Cr(VI) removal: Characterization and mechanism investigation based on visual MINTEQ model. Environmental Research, 2020, 189, 109912.	7.5	62
15	From wastes to functions: A paper mill sludge-based calcium-containing porous biochar adsorbent for phosphorus removal. Journal of Colloid and Interface Science, 2021, 593, 434-446.	9.4	61
16	A stable Ni/SBA-15 catalyst prepared by the ammonia evaporation method for dry reforming of methane. RSC Advances, 2015, 5, 94016-94024.	3.6	55
17	Advance in Using Plasma Technology for Modification or Fabrication of Carbonâ€Based Materials and Their Applications in Environmental, Material, and Energy Fields. Advanced Functional Materials, 2021, 31, 2006287.	14.9	55
18	Novel HCN sorbents based on layered double hydroxides: Sorption mechanism and performance. Journal of Hazardous Materials, 2015, 285, 250-258.	12.4	51

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19	Enhanced performance in NO_x reduction by NH₃ over a mesoporous Ceâ€“Tiâ€“MoO_x catalyst stabilized by a carbon template. Catalysis Science and Technology, 2015, 5, 2260-2269.	4.1	47
20	Highly efficient immobilization of NZVI onto bio-inspired reagents functionalized polyacrylonitrile membrane for Cr(VI) reduction. Chemosphere, 2019, 220, 1003-1013.	8.2	47
21	Degradation of methylene blue using a heterogeneous Fenton process catalyzed by ferrocene. Desalination and Water Treatment, 2013, 51, 5821-5830.	1.0	46
22	Highly efficient WO3-FeO catalysts synthesized using a novel solvent-free method for NH3-SCR. Journal of Hazardous Materials, 2020, 388, 121812.	12.4	46
23	Simultaneous catalytic hydrolysis of carbonyl sulfide and carbon disulfide over Al2O3-K/CAC catalyst at low temperature. Journal of Energy Chemistry, 2014, 23, 221-226.	12.9	45
24	Solidâ€Wasteâ€Derived Carbon Dioxideâ€Capturing Materials. ChemSusChem, 2019, 12, 2055-2082.	6.8	43
25	Simultaneous Catalytic Hydrolysis of Carbonyl Sulfide and Carbon Disulfide over Modified Microwave Coal-Based Active Carbon Catalysts at Low Temperature. Journal of Physical Chemistry C, 2012, 116, 17055-17062.	3.1	42
26	Ferrocene-Catalyzed Heterogeneous Fenton-like Degradation of Methylene Blue: Influence of Initial Solution pH. Industrial & Engineering Chemistry Research, 2014, 53, 6334-6340.	3.7	39
27	Identification of the key host phases of Cr in fresh chromite ore processing residue (COPR). Science of the Total Environment, 2020, 703, 135075.	8.0	37
28	Harmless treatment technology of phosphogypsum: Directional stabilization of toxic and harmful substances. Journal of Environmental Management, 2022, 311, 114827.	7.8	37
29	Metal loaded zeolite adsorbents for hydrogen cyanide removal. Journal of Environmental Sciences, 2013, 25, 808-814.	6.1	35
30	Nano-sized Ag rather than single-atom Ag determines CO oxidation activity and stability. Nano Research, 2022, 15, 452-456.	10.4	35
31	Enhanced removal of hydrogen sulfide from a gas stream byÂ3-aminopropyltriethoxysilane-surface-functionalized activatedÂcarbon. Adsorption, 2009, 15, 477-488.	3.0	34
32	Thermodynamic Modeling and Gaseous Pollution Prediction of the Yellow Phosphorus Production. Industrial & Engineering Chemistry Research, 2011, 50, 12194-12202.	3.7	34
33	A Review of the Application of Steel Slag in CO₂ Fixation. ChemBioEng Reviews, 2021, 8, 189-199.	4.4	34
34	Removing carbonyl sulfide with metal-modified activated carbon. Frontiers of Environmental Science and Engineering, 2016, 10, 11-18.	6.0	33
35	Immobilization of NZVI in polydopamine surface-modified biochar for adsorption and degradation of tetracycline in aqueous solution. Frontiers of Environmental Science and Engineering, 2018, 12, 1.	6.0	33
36	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

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37	Interaction of nano carbon particles and anthracene with pulmonary surfactant: The potential hazards of inhaled nanoparticles. Chemosphere, 2019, 215, 746-752.	8.2	33
38	Energy Utilization of Yellow Phosphorus Tail Gas: Simultaneous Catalytic Hydrolysis of Carbonyl Sulfide and Carbon Disulfide at Low Temperature. Energy Technology, 2015, 3, 136-144.	3.8	32
39	Adsorption-oxidation of hydrogen sulfide on Fe/walnut-shell activated carbon surface modified by NH 3 -plasma. Journal of Environmental Sciences, 2018, 64, 216-226.	6.1	32
40	Novel synthesis of aluminum hydroxide gel-coated nano zero-valent iron and studies of its activity in flocculation-enhanced removal of tetracycline. Journal of Environmental Sciences, 2020, 89, 194-205.	6.1	32
41	Value-added utilization of paper sludge: Preparing activated carbon for efficient adsorption of Cr(VI) and further hydrogenation of furfural. Science of the Total Environment, 2020, 741, 140265.	8.0	32
42	Removal of Cu(II) Ions from Aqueous Solution by Magnetic Chitosan-Tripolyphosphate Modified Silica-Coated Adsorbent: Characterization and Mechanisms. Water, Air, and Soil Pollution, 2017, 228, 1.	2.4	31
43	Self-made anion-exchange membrane with polyaniline as an additive for sulfuric acid enrichment. Chemical Engineering Journal, 2018, 341, 298-307.	12.7	31
44	Enhanced anaerobic fermentation of dairy manure by microelectrolysis in electric and magnetic fields. Renewable Energy, 2020, 146, 2758-2765.	8.9	31
45	Aquatic photochemistry of sulfamethazine: multivariate effects of main water constituents and mechanisms. Environmental Sciences: Processes and Impacts, 2018, 20, 513-522.	3.5	29
46	Novel sequential process for enhanced dye synergistic degradation based on nano zero-valent iron and potassium permanganate. Chemosphere, 2016, 155, 39-47.	8.2	27
47	Activated carbonâ€based composites for capturing CO₂: a review. , 2021, 11, 377-393.		27
48	Mechanistic and kinetic study on the catalytic hydrolysis of COS in small clusters of sulfuric acid. Environmental Pollution, 2018, 232, 615-623.	7.5	26
49	Cu/HZSM-5 Sorbent Treated by NH₃ Plasma for Low-Temperature Simultaneous Adsorptionâ€“Oxidation of H₂S and PH₃. ACS Applied Materials & Interfaces, 2021, 13, 24670-24681.	8.0	26
50	Preparation and Phosphine Adsorption of Activated Carbon Prepared from Walnut Shells by KOH Chemical Activation. Separation Science and Technology, 2014, 49, 2366-2375.	2.5	25
51	Activity and hydrothermal stability of CeO2â€“ZrO2â€“WO3 for the selective catalytic reduction of NO with NH3. Journal of Environmental Sciences, 2016, 42, 168-177.	6.1	25
52	A lithium-modified zirconium-based metal organic framework (UiO-66) for efficient CO₂ adsorption. New Journal of Chemistry, 2018, 42, 19764-19770.	2.8	25
53	Study on the role of copper converter slag in simultaneously removing SO2 and NO using KMnO4/copper converter slag slurry. Journal of Environmental Sciences, 2021, 108, 33-43.	6.1	25
54	Mechanism of Catalytic Oxidation of NO over Mnâ€“Coâ€“Ceâ€“Ox Catalysts with the Aid of Nonthermal Plasma at Low Temperature. Industrial & Engineering Chemistry Research, 2011, 50, 11023-11028.	3.7	24

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55	Adsorption of carbonyl sulfide on modified activated carbon under low-oxygen content conditions. Adsorption, 2014, 20, 623-630.	3.0	24
56	Dry reforming of methane over Ni/SBA-15 catalysts prepared by homogeneous precipitation method. Korean Journal of Chemical Engineering, 2017, 34, 2823-2831.	2.7	24
57	Low-temperature catalytic oxidation of CO over highly active mesoporous Pd/CeO₂â€“ZrO₂â€“Al₂O₃catalyst. RSC Advances, 2016, 6, 41181-41188.	3.6	23
58	Simultaneous removal of NO x and SO2 by low-temperature selective catalytic reduction over modified activated carbon catalysts. Russian Journal of Physical Chemistry A, 2017, 91, 490-499.	0.6	23
59	Facile assembly of novel g-C₃N₄@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
60	Enhancement of N₂O catalytic decomposition over Ca modified Co₃O₄ catalyst. RSC Advances, 2015, 5, 51263-51270.	3.6	22
61	Research on dewaterability and properties of sewage sludge under modified phosphogypsum and acetic acid pretreatments. Bioresource Technology, 2018, 264, 268-276.	9.6	22
62	Reactive Metalâ€“Biopolymer Interactions for Semihydrogenation of Acetylene. ACS Catalysis, 2019, 9, 11146-11152.	11.2	22
63	Enhancement of the electrocatalytic oxidation of antibiotic wastewater over the conductive black carbon-PbO2 electrode prepared using novel green approach. Frontiers of Environmental Science and Engineering, 2020, 14, 1.	6.0	22
64	Surface characterization of metal oxides-supported activated carbon fiber catalysts for simultaneous catalytic hydrolysis of carbonyl sulfide and carbon disulfide. Journal of Environmental Sciences, 2020, 96, 44-54.	6.1	22
65	Catalytic hydrolysis of carbonyl sulphide and carbon disulphide over Fe2O3 cluster: Competitive adsorption and reaction mechanism. Scientific Reports, 2017, 7, 14452.	3.3	21
66	Degradation mechanism of lignocellulose in dairy cattle manure with the addition of calcium oxide and superphosphate. Environmental Science and Pollution Research, 2019, 26, 33683-33693.	5.3	21
67	Strong Immobilization of Phosphate in Wastewater onto the Surface of MgO-Modified Industrial Hemp-Stem-Driven Biochar by Flowerlike Crystallization. Industrial & Engineering Chemistry Research, 2020, 59, 14578-14586.	3.7	21
68	Removal of elemental mercury by photocatalytic oxidation over La2O3/Bi2O3 composite. Journal of Environmental Sciences, 2021, 102, 384-397.	6.1	21
69	Catalytic gasification of lignite with KOH in supercritical water. Canadian Journal of Chemical Engineering, 2014, 92, 421-425.	1.7	20
70	Interaction of pulmonary surfactant with silica and polycyclic aromatic hydrocarbons: Implications for respiratory health. Chemosphere, 2019, 222, 603-610.	8.2	20
71	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
72	Treatment of coking wastewater by a novel electric assisted micro-electrolysis filter. Journal of Environmental Sciences, 2018, 66, 165-172.	6.1	19

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73	O3 oxidation excited by yellow phosphorus emulsion coupling with red mud absorption for denitration. Journal of Hazardous Materials, 2021, 403, 123971.	12.4	19
74	SO₂Absorption/Desorption Characteristics of Two Novel Phosphate Ionic Liquids. Separation Science and Technology, 2013, 48, 2876-2879.	2.5	18
75	Adsorption removal of arsine by modified activated carbon. Adsorption, 2015, 21, 135-141.	3.0	18
76	Effect of copper precursors on the catalytic activity of Cu/ZSM-5 catalysts for selective catalytic reduction of NO by NH3. Research on Chemical Intermediates, 2016, 42, 7429-7445.	2.7	18
77	Unexpected Highly Reversible Lithium-Silicate-Based CO₂ Sorbents Derived from Sediment of Dianchi Lake. Energy & Fuels, 2019, 33, 1734-1744.	5.1	18
78	The Influence of the Charge Compensating Anions of Layered Double Hydroxides (LDHs) in LDH-NS/Graphene Oxide Nanohybrid for CO₂ Capture. Journal of Nanoscience and Nanotechnology, 2018, 18, 2956-2964.	0.9	17
79	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
80	Short-range ordered Co(OH)2/TiO2 for boosting sulfite oxidation: Performance and mechanism. Journal of Colloid and Interface Science, 2020, 571, 90-99.	9.4	17
81	Catalytic hydrolysis of HCN on ZSM-5 modified by Fe or Nb for HCN removal: surface species and performance. RSC Advances, 2016, 6, 111389-111397.	3.6	16
82	Nonreductive biomineralization of uranium by Bacillus subtilis ATCCâ€“6633 under aerobic conditions. Journal of Environmental Radioactivity, 2019, 208-209, 106027.	1.7	16
83	Coupling catalytic hydrolysis and oxidation on metal-modified activated carbon for HCN removal. RSC Advances, 2016, 6, 57108-57116.	3.6	15
84	Density functional theory analysis of selective adsorption of AsH3 on transition metal-doped graphene. Journal of Molecular Modeling, 2019, 25, 145.	1.8	15
85	Crystal regulation of gypsum via hydrothermal treatment with hydrogen ion for Cr(VI) extraction. Journal of Hazardous Materials, 2020, 390, 120614.	12.4	15
86	Catalytic hydrolysis of carbonyl sulfide over modified coal-based activated carbons by loading metal. Central South University, 2010, 17, 985-990.	0.5	14
87	Effect of Preparation Conditions on the Property Cu/AC Adsorbents for Phosphine Adsorption. Separation Science and Technology, 2012, 47, 527-533.	2.5	14
88	The hydrolysis mechanism and kinetic analysis for COS hydrolysis: A DFT study. Russian Journal of Physical Chemistry B, 2016, 10, 427-434.	1.3	14
89	Preparation of walnut shell-based activated carbon and its properties for simultaneous removal of H2S, COS and CS2 from yellow phosphorus tail gas at low temperature. Research on Chemical Intermediates, 2018, 44, 1209-1233.	2.7	14
90	Selective Hydrogenation of Acetylene to Ethylene over the Surface of Sub-2 nm Pd Nanoparticles in Miscanthus sinensis-Derived Microporous Carbon Tubes. ACS Sustainable Chemistry and Engineering, 2020, 8, 11638-11648.	6.7	14

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91	Phase Behavior of Tweens/Toluene/Water Microemulsion Systems for the Solubilization Absorption of Toluene. Journal of Solution Chemistry, 2010, 39, 457-472.	1.2	13
92	Catalytic pyrolysis of cellulose in ionic liquid [bmim]OTf. Carbohydrate Polymers, 2016, 148, 390-396.	10.2	13
93	High-Performance Arsine Removal Using CuO_x/TiO₂ Sorbents under Low-Temperature Conditions. Energy & Fuels, 2018, 32, 7035-7045.	5.1	13
94	Removal of SO2 from flue gas using Bayer red mud: Influence factors and mechanism. Journal of Central South University, 2019, 26, 467-478.	3.0	13
95	Chitosan Modifying Nanoscale Zero Valent Iron for Tetracycline Removal from Aqueous Solutions: Proposed Pathway. Environmental Engineering Science, 2019, 36, 273-282.	1.6	13
96	Catalytic gasification of phenol in supercritical water over bimetallic Coâ€“Ni/AC catalyst. Environmental Technology (United Kingdom), 2019, 40, 2182-2190.	2.2	13
97	Removal of SO2 and NOx from flue gas using mud-phosphorus slurry. Environmental Science and Pollution Research, 2020, 27, 23270-23280.	5.3	13
98	Adsorption of Carbon Disulfide on Cu/CoSPc/Ce Modified Activated Carbon under Microtherm and Micro-oxygen Conditions. Industrial & Engineering Chemistry Research, 2014, 53, 13626-13634.	3.7	12
99	Deactivation mechanism of the simultaneous removal of carbonyl sulphide and carbon disulphide over Feâ€“Cuâ€“Ni/MCSAC catalysts. Journal of Chemical Sciences, 2017, 129, 1893-1903.	1.5	12
100	Arsine adsorption in copper-exchanged zeolite under low temperature and micro-oxygen conditions. RSC Advances, 2017, 7, 56638-56647.	3.6	12
101	Comparison of sulfuric acid- or phosphoric acid-modified CeO2 and the influence of surface acidity and redox property on its activity toward NH3-SCR. Research on Chemical Intermediates, 2019, 45, 645-661.	2.7	12
102	Inorganic flocculant for sludge treatment: Characterization, sludge properties, interaction mechanisms and heavy metals variations. Journal of Environmental Management, 2020, 275, 111255.	7.8	12
103	Surface characterization study of corn-straw biochar catalysts for the simultaneous removal of HCN, COS, and CS₂. New Journal of Chemistry, 2020, 44, 13565-13575.	2.8	12
104	A review of thermal homogeneous catalytic deoxygenation reactions for valuable products. Heliyon, 2020, 6, e03446.	3.2	12
105	Influence of the preparation conditions of MgAlCe catalysts on the catalytic hydrolysis of carbonyl sulfide at low temperature. RSC Advances, 2015, 5, 20530-20537.	3.6	11
106	Adsorption of carbon disulfide on activated carbon modified by Cu and cobalt sulfonated phthalocyanine. Adsorption, 2015, 21, 401-408.	3.0	11
107	Advanced purification and comprehensive utilization of yellow phosphorous off gas. Frontiers of Environmental Science and Engineering, 2015, 9, 181-189.	6.0	11
108	Catalytic gasification of phenol in supercritical water with Ru/graphitized carbon black. RSC Advances, 2016, 6, 75512-75521.	3.6	11

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109	Stabilization of arsenic in waste slag using FeCl₂ or FeCl₃ stabilizer. RSC Advances, 2017, 7, 54956-54963.	3.6	11
110	Selective Conversion of Phenol in a Subcritical Water Medium Using Î³-Al2O3 Supported Niâ€“Co Bimetallic Catalyst. Catalysts, 2019, 9, 212.	3.5	11
111	Mechanism of dry detoxification of chromium slag by carbon monoxide. Environmental Chemistry Letters, 2019, 17, 1375-1381.	16.2	11
112	Seeded-growth preparation of high-performance Ni/MgAl₂O₄ catalysts for tar steam reforming. New Journal of Chemistry, 2020, 44, 13692-13700.	2.8	11
113	A Cu-modified active carbon fiber significantly promoted H2S and PH3 simultaneous removal at a low reaction temperature. Frontiers of Environmental Science and Engineering, 2021, 15, 1.	6.0	11
114	Cubic structured SrTiO3 with Ce/Cr Co-doping for photoinduced catalytic oxidation of gaseous mercury. Chemosphere, 2022, 295, 133828.	8.2	11
115	Efficient removal of HCN through catalytic hydrolysis and oxidation on Cu/CoSPc/Ce metal-modified activated carbon under low oxygen conditions. RSC Advances, 2016, 6, 113834-113843.	3.6	10
116	Low Temperature Catalytic Hydrolysis of Carbon Disulfide on Activated Carbon Fibers Modified by Non-thermal Plasma. Plasma Chemistry and Plasma Processing, 2017, 37, 1175-1191.	2.4	10
117	Performance and kinetic study on Pd/OMS-2 catalyst for CO catalytic oxidation: effect of preparation method. Research on Chemical Intermediates, 2017, 43, 2017-2032.	2.7	10
118	Influence of dissolved organic matter components on arsenate adsorption/desorption by TiO2. Journal of Hazardous Materials, 2019, 378, 120780.	12.4	10
119	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
120	Concentrations, Source Characteristics, and Health Risk Assessment of Toxic Heavy Metals in PM2.5 in a Plateau City (Kunming) in Southwest China. International Journal of Environmental Research and Public Health, 2021, 18, 11004.	2.6	10
121	Effect of preparation methods on selective catalytic reduction of NOx with NH3 over manganese oxide octahedral molecular sieves. Journal of Fuel Chemistry and Technology, 2014, 42, 1357-1364.	2.0	9
122	Electropolar effects on anaerobic fermentation of lignocellulosic materials in novel single-electrode cells. Bioresource Technology, 2014, 159, 88-94.	9.6	9
123	Probing the thermal-enhanced catalytic activity of CO oxidation over Pd/OMS-2 catalysts. RSC Advances, 2017, 7, 41936-41944.	3.6	9
124	Simultaneous Removal of COS, H₂S, and Dust in Industrial Exhaust Gas by DC Corona Discharge Plasma. Industrial & Engineering Chemistry Research, 2018, 57, 6568-6575.	3.7	9
125	Carbon dioxide reforming of methane over MgO promoted Ni/CNT catalyst. Korean Journal of Chemical Engineering, 2018, 35, 1979-1987.	2.7	9
126	Efficient removal of low-concentration Cr(<scp>vi</scp>) from aqueous solution by 4A/HACC particles. New Journal of Chemistry, 2019, 43, 17220-17230.	2.8	9

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127	Theoretical study on simultaneous removal of SO2, NO, and Hg0 over graphene: competitive adsorption and adsorption type change. Journal of Molecular Modeling, 2019, 25, 364.	1.8	9
128	The inhibition effect and deactivation mechanism of H₂O and SO₂ on selective catalytic oxidation of NO over the Mnâ€“Caâ€“O_xâ€“(CO₃)_y catalyst. New Journal of Chemistry, 2019, 43, 19279-19285.	2.8	9
129	Regeneration of the exhausted mesoporous Cu/SBA-15-[N] for simultaneous adsorptionâ€“oxidation of hydrogen sulfide and phosphine. Research on Chemical Intermediates, 2020, 46, 329-346.	2.7	9
130	Preparation of modified manganese slag slurry for removal of hydrogen sulphide and phosphine. Canadian Journal of Chemical Engineering, 2020, 98, 1534-1542.	1.7	9
131	Reaction Mechanism of Simultaneous Removal of H2S and PH3 Using Modified Manganese Slag Slurry. Catalysts, 2020, 10, 1384.	3.5	9
132	Preparation of polyacrylonitrile-based activated carbon fiber for CS2 adsorption. Research on Chemical Intermediates, 2020, 46, 3459-3476.	2.7	9
133	Electrochemical method for wet removal of phosphine. Environmental Progress and Sustainable Energy, 2015, 34, 1640-1646.	2.3	8
134	Simultaneous Removal of PH3, H2S, and Dust by Corona Discharge. Energy & Fuels, 2016, 30, 9580-9588.	5.1	8
135	Liquefaction of lignite with a Ru/C catalyst in supercritical ethanol. RSC Advances, 2017, 7, 5402-5411.	3.6	8
136	Low temperature catalytic hydrolysis of carbon disulfide over nano-active carbon based catalysts prepared by liquid phase deposition. RSC Advances, 2017, 7, 40354-40361.	3.6	8
137	Density functional theory study on the hydrolysis process of COS and CS2 on a graphene surface. Research on Chemical Intermediates, 2018, 44, 2637-2651.	2.7	8
138	Adsorption of Gaseous Elemental Mercury by Ferricâ€Chlorideâ€Modified Activated Carbon Under Lowâ€Temperature Conditions. Clean - Soil, Air, Water, 2018, 46, 1800351.	1.1	8
139	Hydrothermal stability of different zeolites in supercritical water: Implication for synthesis of supported catalysts by supercritical water impregnation. Korean Journal of Chemical Engineering, 2018, 35, 1932-1940.	2.7	8
140	High efficiency of Mnâ€“Ceâ€modified TiO₂ catalysts for the lowâ€temperature oxidation of Hg⁰ under a reducing atmosphere. Applied Organometallic Chemistry, 2019, 33, e4866.	3.5	8
141	Simultaneous Removal of Elemental Mercury and Arsine from a Reducing Atmosphere Using Chloride and Cerium Modified Activated Carbon. Industrial & Engineering Chemistry Research, 2019, 58, 23529-23539.	3.7	8
142	Enhanced adsorption of hydrophobic organic contaminants by high surface area porous graphene. Environmental Science and Pollution Research, 2020, 27, 7309-7317.	5.3	8
143	Mass Concentration, Chemical Composition, and Source Characteristics of PM2.5 in a Plateau Slope City in Southwest China. Atmosphere, 2021, 12, 611.	2.3	8
144	Interfacial interaction between benzo[a]pyrene and pulmonary surfactant: Adverse effects on lung health. Environmental Pollution, 2021, 287, 117669.	7.5	8

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145	Removal of SO2 from flue gas using blast furnace dust as an adsorbent. Environmental Science and Pollution Research, 2022, 29, 15642-15653.	5.3	8
146	PHOSPHOGYPSUM AS A RAW MATERIAL FOR THE PRODUCTION OF SO₂AND LIME IN CIRCULATING FLUIDIZED BEDS. Combustion Science and Technology, 2014, 186, 377-386.	2.3	7
147	Effect of Kinetin on Physiological and Biochemical Properties of Maize Seedlings under Arsenic Stress. Advances in Materials Science and Engineering, 2015, 2015, 1-7.	1.8	7
148	Effect of WO3 content on the catalytic activity of CeO2-ZrO2-WO3 for selective catalytic reduction of NO with NH3. Journal of Fuel Chemistry and Technology, 2015, 43, 701-707.	2.0	7
149	The Kinetic Model of Simultaneous Catalytic Hydrolysis of Carbon Disulfide and Carbonyl Sulfide over Modified Walnut Shell Biochar. Journal of Chemical Engineering of Japan, 2017, 50, 115-121.	0.6	7
150	New insight into the reaction mechanism of carbon disulfide hydrolysis and the impact of H₂S with density functional modeling. New Journal of Chemistry, 2019, 43, 2347-2352.	2.8	7
151	Efficient Removal of Thallium from Flue Gas Using Manganese-Based MOF Catalysts by Gasâ€“Solid Phase Catalytic Oxidation and Adsorption. Industrial & Engineering Chemistry Research, 2020, 59, 12955-12963.	3.7	7
152	Research on dynamics and mechanism of treatment on phenol simulated wastewater by the ultrasound cooperated electroâ€assisted microâ€electrolysis. Water Environment Research, 2021, 93, 1243-1253.	2.7	7
153	Removal of SO2 from smelting flue gas by using copper tailings with MnSO4: factors optimization by response surface methodology. Environmental Science and Pollution Research, 2021, 28, 48417-48426.	5.3	7
154	Resource utilization of agricultural residues: one-step preparation of biochar derived from Pennisetum giganteum for efficiently removing chromium from water in a wide pH range. Environmental Science and Pollution Research, 2021, 28, 69381-69392.	5.3	7
155	Study of Semi-Dry High Target Solidification/Stabilization of Harmful Impurities in Phosphogypsum by Modification. Molecules, 2022, 27, 462.	3.8	7
156	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
157	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
158	Thermal Behaviors and Regeneration of Activated Carbon Saturated with Toluene Induced by Microwave Irradiation. Journal of Chemical Engineering of Japan, 2009, 42, 325-329.	0.6	6
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