

Guangren Qian

List of Publications by Year in descending order

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Version: 2024-02-01

310
papers

10,365
citations

36271

51
h-index

56687

83
g-index

315
all docs

315
docs citations

315
times ranked

11500
citing authors

#	ARTICLE	IF	CITATIONS
1	Remediation of As/Cr co-contaminated soil by electrokinetic coupled with permeable reactive barrier. <i>Environmental Engineering Research</i> , 2022, 27, 210017-0.	1.5	4
2	Enhanced arsenic migration in tailings soil with the addition of humic acid, fulvic acid and thiol-modified humic acid. <i>Chemosphere</i> , 2022, 286, 131784.	4.2	21
3	An efficient strategy to screen an effective catalyst for NO _x -SCR by deducing surface species using DRIFTS. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 677-687.	5.0	16
4	Synthesis of electrocatalyst from electroplating sludge for efficient N ₂ reduction under ambient conditions. <i>Chemical Engineering Journal</i> , 2022, 429, 132357.	6.6	10
5	Feeding preference of insect larvae to waste electrical and electronic equipment plastics. <i>Science of the Total Environment</i> , 2022, 807, 151037.	3.9	12
6	Application of low-cost MFe ₂ O ₄ (M = Cu, Mn, and Zn) spinels in low-temperature selective catalytic reduction of nitrogen oxide. <i>Journal of Cleaner Production</i> , 2022, 330, 129825.	4.6	18
7	A signaling game approach of siting conflict mediation for the construction of waste incineration facilities under information asymmetry. <i>Journal of Cleaner Production</i> , 2022, 335, 130178.	4.6	9
8	Enhanced removal of low-concentration methyl mercaptan by synergetic effect between surface functional group and metallic site. <i>Surfaces and Interfaces</i> , 2022, 28, 101663.	1.5	1
9	Ratio of adsorptive abilities for NH ₃ and NO _x determined SCR activity of transition-metal catalyst. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 635, 128080.	2.3	6
10	Environmental and economic performances of municipal solid waste incineration fly ash low-temperature utilization: An integrated hybrid life cycle assessment. <i>Journal of Cleaner Production</i> , 2022, 340, 130680.	4.6	19
11	Electroplating Sludge-Derived Multiple-Metal-Doped Spinel with Superior CO Selectivity in Reverse Water-Gas-Shift Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 2214-2223.	3.2	5
12	Changes in Reticular River Network under Rapid Urbanization: A Case of Pudong New Area, Shanghai. <i>Water (Switzerland)</i> , 2022, 14, 523.	1.2	2
13	Fluorescence detection and imaging of intracellular sulphite using a remote light activatable photochromic nanoprobe. <i>Journal of Materials Chemistry B</i> , 2022, 10, 3366-3374.	2.9	7
14	Municipal solid waste incineration residues recycled for typical construction materials—a review. <i>RSC Advances</i> , 2022, 12, 6279-6291.	1.7	18
15	Ball milling transformed electroplating sludges with different components to spinels for stable electrocatalytic ammonia production under ambient conditions. <i>Chemosphere</i> , 2022, 296, 134060.	4.2	4
16	Adsorption characteristics of assembled and unassembled Ni/Cr layered double hydroxides towards methyl orange. <i>Journal of Colloid and Interface Science</i> , 2022, 617, 363-371.	5.0	12
17	Self-reduction with escaped sulfur and immobilization of toxic chromium in Co-vitrification for synergistic recovery of chromium sludge and blast furnace slag. <i>Journal of Cleaner Production</i> , 2022, 358, 132048.	4.6	6
18	Effects of phosphorus and iron on the composition and property of Portland cement clinker utilized incinerated sewage sludge ash. <i>Construction and Building Materials</i> , 2022, 341, 127754.	3.2	12

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19	Doping regulation increased SCR activity, selectivity, and hydrothermal stability of Mn-based cordierite catalyst. <i>Applied Surface Science</i> , 2022, 595, 153484.	3.1	7
20	Environmentally Persistent Free Radical Promotes Lung Cancer Progression by Regulating the Expression Profile of miRNAs. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2022, , .	0.7	1
21	Electroplating sludge-derived metal and sulfur co-doping catalyst and its application in methanol production by CO ₂ catalytic hydrogenation. <i>Science of the Total Environment</i> , 2022, 838, 156032.	3.9	7
22	Toward a Sustainable Municipal Solid Waste Incineration Fly-Ash Utilization Network: Integrating Hybrid Life Cycle Assessment with Multiobjective Optimization. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 7635-7647.	3.2	5
23	Mapping the impact of a large municipal waste disposal area on surface water: 1993â€“2017, case of Laogang, Shanghai. <i>Waste Management</i> , 2022, 148, 50-60.	3.7	2
24	A plasma thermal slag-derived from hazardous waste has a born hydrothermal stability. <i>Journal of Hazardous Materials</i> , 2021, 401, 123444.	6.5	3
25	A Novel Approach to Recycle Waste Serpentine Tailing for Mg/Al Layered Double Hydroxide Used as Adsorption Material. <i>Environmental Engineering Science</i> , 2021, 38, 99-106.	0.8	4
26	A review on fabricating functional materials by heavy metalâ€“containing sludges. <i>Environmental Science and Pollution Research</i> , 2021, 28, 133-155.	2.7	10
27	A continuous denitrification technology based on metal-organic framework without using ammonia. <i>Journal of Cleaner Production</i> , 2021, 279, 123685.	4.6	3
28	Lactone radical transformed methyl mercaptan-adsorbed activated carbon into graphene oxide modified activated carbon. <i>Journal of Hazardous Materials</i> , 2021, 413, 124527.	6.5	10
29	Fixation stability of glass matrix co-existent with crystal phases for heavy metals formed by high-temperature vitrification. <i>Environmental Science and Pollution Research</i> , 2021, 28, 13660-13670.	2.7	7
30	Facet-dependent topo-heterostructure formed by BiOCl and ZnCr-LDH and its enhanced visible-light photocatalytic activity. <i>Separation and Purification Technology</i> , 2021, 254, 117635.	3.9	20
31	Carbon deposition enhanced selective catalytic reduction of nitric oxide by a new catalytic process as well as increasing reducibility of catalyst. <i>Science of the Total Environment</i> , 2021, 756, 143834.	3.9	2
32	Transformation of phosphorus by MgCl ₂ and CaCl ₂ during sewage sludge incineration. <i>Environmental Science and Pollution Research</i> , 2021, 28, 60268-60275.	2.7	6
33	Visible-Light-Driven Photoreduction of Cr(VI) by Waste-Based Cu ₂ O Photocatalyst from Waste Printed Circuit Boards. <i>Environmental Engineering Science</i> , 2021, 38, 565-574.	0.8	4
34	Nitrate removal during Fe(III) bio-reduction in microbial-mediated iron redox cycling systems. <i>Water Science and Technology</i> , 2021, 84, 985-994.	1.2	7
35	Fabrication of a Sustainable Closed Loop for Waste-Derived Materials in Electrochemical Applications. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 11637-11648.	1.8	4
36	Biodegradation of plastics from waste electrical and electronic equipment by greater wax moth larvae (<i>Galleria mellonella</i>). <i>Journal of Cleaner Production</i> , 2021, 310, 127346.	4.6	18

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37	Al ³⁺ -incorporated Mesoporous Silica Supported ZnFe ₂ O ₄ for Photocatalytic Hydrogen Evolution. <i>ChemistrySelect</i> , 2021, 6, 9112-9119.	0.7	0
38	Synthesis of a perovskite-type catalyst from Cr electroplating sludge for effective catalytic oxidization of VOC. <i>Journal of Environmental Management</i> , 2021, 294, 113025.	3.8	14
39	Unbalanced status and multidimensional influences of municipal solid waste management in Africa. <i>Chemosphere</i> , 2021, 281, 130884.	4.2	10
40	Producing a monolithic catalyst by manganese slag and its industrial application in catalytic oxidization of volatile organic compounds. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106145.	3.3	6
41	Implementation effect of municipal solid waste mandatory sorting policy in Shanghai. <i>Journal of Environmental Management</i> , 2021, 298, 113512.	3.8	48
42	Determining influence of catalyst-reductant morphology on two different mechanisms of SCR by MOFs. <i>Environmental Technology and Innovation</i> , 2021, 24, 101886.	3.0	2
43	The heterogeneous time and income effects in Kuznets curves of municipal solid waste generation: comparing developed and developing economies. <i>Science of the Total Environment</i> , 2021, 799, 149157.	3.9	11
44	Assessing the environmental impacts and greenhouse gas emissions from the common municipal wastewater treatment systems. <i>Science of the Total Environment</i> , 2021, 801, 149676.	3.9	11
45	Recycling electroplating sludge as a monolithic catalyst for effective catalytic purification of volatile organic compounds. <i>Journal of Environmental Management</i> , 2021, 299, 113567.	3.8	10
46	Nickel hydroxide as a non-noble metal co-catalyst decorated on Cd _{0.5} Zn _{0.5} S solid solution for enhanced hydrogen evolution. <i>RSC Advances</i> , 2021, 11, 20479-20485.	1.7	5
47	Interaction energy and detachment of magnetic nanoparticles-algae. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 2618-2624.	1.2	7
48	Comparison of humic and fulvic acid on remediation of arsenic contaminated soil by electrokinetic technology. <i>Chemosphere</i> , 2020, 241, 125038.	4.2	47
49	Evaluation for the heavy metal risk in fine particulate matter from the perspective of urban energy and industrial structure in China: A meta-analysis. <i>Journal of Cleaner Production</i> , 2020, 244, 118597.	4.6	28
50	Understanding of the high hydrothermal stability of a catalyst prepared from Mn slag for low-temperature selective catalytic reduction of NO. <i>Journal of Hazardous Materials</i> , 2020, 381, 120935.	6.5	12
51	In-situ synthesis of calcium aluminum layered double hydroxides for advanced treatment of leachate biochemical tail water. <i>Science of the Total Environment</i> , 2020, 701, 134891.	3.9	7
52	A catalyst with the better catalytic activity for NO reduction showed bigger reduction capacity and limiting current. <i>Science of the Total Environment</i> , 2020, 701, 135036.	3.9	3
53	Resident risk attitude analysis in the decision-making management of waste incineration construction. <i>Journal of Environmental Management</i> , 2020, 258, 109946.	3.8	10
54	Cycle of Ni(II)-Ni(III)-Ni(II) in Ni-doped layered double hydroxides for activation of intercalated peroxydisulfate. <i>Chemical Engineering Journal</i> , 2020, 386, 123937.	6.6	18

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55	Elucidation of the nitrogen-transformation mechanism for nitrite removal using a microbial-mediated iron redox cycling system. <i>Journal of Water Process Engineering</i> , 2020, 33, 101016.	2.6	7
56	Effects of chemical pretreatments on microplastic extraction in sewage sludge and their physicochemical characteristics. <i>Water Research</i> , 2020, 171, 115379.	5.3	91
57	The promotion effect of biochar on electrochemical degradation of nitrobenzene. <i>Journal of Cleaner Production</i> , 2020, 244, 118890.	4.6	30
58	Nuclear Factor κ B Signaling and Its Related Non-coding RNAs in Cancer Therapy. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 19, 208-217.	2.3	30
59	A hydrogen peroxide activatable nanoprobe for light-controlled α -multi-colour fluorescence imaging. <i>Nanoscale</i> , 2020, 12, 22527-22533.	2.8	15
60	Impact of rapid urbanization on the threshold effect in the relationship between impervious surfaces and water quality in shanghai, China. <i>Environmental Pollution</i> , 2020, 267, 115569.	3.7	23
61	Mechanochemical activation of titanium slag for effective selective catalytic reduction of nitric oxide. <i>Science of the Total Environment</i> , 2020, 743, 140733.	3.9	10
62	Layered Double Hydroxide Functioned as a Novel Template for the Synthesis of Graphene-Oxide-Like Biochar and Enhanced Electrochemical Performances. <i>Energy & Fuels</i> , 2020, 34, 16220-16227.	2.5	2
63	In situ growing $\text{Cu}_2(\text{OH})_2\text{CO}_3$ on oxidized carbon nitride with enhanced photocatalytic hydrogen evolution and pollutant degradation. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 24697-24709.	3.8	8
64	Regulating coordination state for production of effective denitrification catalyst. <i>Journal of Cleaner Production</i> , 2020, 260, 121083.	4.6	3
65	A heterostructure membrane with natural-light photocatalytic activity. <i>Materials Today Communications</i> , 2020, 24, 101175.	0.9	3
66	An artificial protein-probe hybrid as a responsive probe for ratiometric detection and imaging of hydrogen peroxide in cells. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5420-5424.	2.9	14
67	Identifying dual functions of rGO in a $\text{BiVO}_4/\text{rGO}/\text{NiFe}$ -layered double hydroxide photoanode for efficient photoelectrochemical water splitting. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13231-13240.	5.2	48
68	Evaluation of heavy metals stability and phosphate mobility in the remediation of sediment by calcium nitrate. <i>Water Environment Research</i> , 2020, 92, 1017-1026.	1.3	15
69	Separation and recovery of materials from the waste light emitting diode (LED) modules by solvent method. <i>Journal of Material Cycles and Waste Management</i> , 2020, 22, 1184-1195.	1.6	8
70	Electroplating sludge-derived spinel catalysts for NO removal via NH_3 selective catalysis reduction. <i>Applied Surface Science</i> , 2020, 528, 146969.	3.1	11
71	Effects of humus on the mobility of arsenic in tailing soil and the thiol-modification of humus. <i>Chemosphere</i> , 2020, 259, 127403.	4.2	14
72	Free radical formation and its enhancing feedback during catalytic reduction of nitric oxide. <i>Fuel</i> , 2020, 278, 118276.	3.4	0

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73	Short-term exposure to ZnO/MCB persistent free radical particles causes mouse lung lesions via inflammatory reactions and apoptosis pathways. <i>Environmental Pollution</i> , 2020, 261, 114039.	3.7	15
74	Application and mechanism of an ore-washing sludge in the remediation of chromium (III) and copper (II)-contaminated soils. <i>Journal of Material Cycles and Waste Management</i> , 2020, 22, 897-906.	1.6	4
75	Anaerobic bioconversion of petrochemical wastewater to biomethane in a semi-continuous bioreactor: Biodegradability, mineralization behaviors and methane productivity. <i>Bioresource Technology</i> , 2020, 304, 123005.	4.8	14
76	Efficient activation of intercalated persulfate via a composite of reduced graphene oxide and layered double hydroxide. <i>Journal of Hazardous Materials</i> , 2020, 389, 122051.	6.5	27
77	A density functional theory calculation for revealing environmentally persistent free radicals generated on PbO particulate. <i>Chemosphere</i> , 2020, 255, 126910.	4.2	16
78	The characteristics of arsenic in Chinese coal-fired power plant flue gas desulphurisation gypsum. <i>Fuel</i> , 2020, 271, 117515.	3.4	20
79	Examination of inorganic-based draw solutes and mitigation of their reverse solute flux in osmotic microbial fuel cells. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 2107-2114.	1.6	8
80	Cover Image, Volume 94, Issue 7. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, i-i.	1.6	0
81	Phosphorus recovery from sewage sludge via incineration with chlorine-based additives. <i>Waste Management</i> , 2019, 95, 644-651.	3.7	26
82	Precise control of iron activating persulfate by current generation in an electrochemical membrane reactor. <i>Environment International</i> , 2019, 131, 105024.	4.8	29
83	Indoor CO ₂ Control through Mesoporous Amine-Functionalized Silica Monoliths. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 19465-19474.	1.8	20
84	Continuous Oxidation of Hydrogen Sulfide by an Adsorbent Derived from Sewage Sludge. <i>Environmental Engineering Science</i> , 2019, 36, 1170-1178.	0.8	4
85	Target-activated and ratiometric photochromic probe for double-check-detection of toxic thiols in live cells. <i>Science China Chemistry</i> , 2019, 62, 1204-1212.	4.2	12
86	Advantages of bimetallic nitric oxide reduction catalysts consisting of heavy metals rich in hazardous wastes. <i>Journal of Cleaner Production</i> , 2019, 237, 117834.	4.6	15
87	Combining ethylene diamine tetraacetic acid and high voltage pulsed discharge pretreatment to enhance short-chain fatty acids and phosphorus release from waste activated sludge via anaerobic fermentation. <i>Journal of Cleaner Production</i> , 2019, 240, 118252.	4.6	16
88	The Kinetics Study of Dissolving SnPb Solder by Hydrometallurgy. <i>Environmental Engineering Science</i> , 2019, 36, 1236-1243.	0.8	9
89	Impact of pyrone group on H ₂ S catalytic oxidization. <i>Science of the Total Environment</i> , 2019, 695, 133875.	3.9	4
90	Removal behaviors and mechanisms of orthophosphate and pyrophosphate by calcined dolomite with ferric chloride assistance. <i>Chemosphere</i> , 2019, 235, 1015-1021.	4.2	10

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91	Synergic thermal activation of peroxydisulfate intercalated Mg/Al layered double hydroxide at a low temperature. <i>Chemical Engineering Journal</i> , 2019, 363, 133-140.	6.6	12
92	The relationship between atmospheric pollutant emissions and fuel qualities of inland vessels in Jiangsu Province, China. <i>Journal of the Air and Waste Management Association</i> , 2019, 69, 305-312.	0.9	2
93	Microbial chromate reduction coupled with anaerobic oxidation of methane in a membrane biofilm reactor. <i>Environment International</i> , 2019, 130, 104926.	4.8	35
94	Facile fabrication of mesoporous biochar/ZnFe ₂ O ₄ composite with enhanced visible-light photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 19967-19977.	3.8	39
95	Potent and durable antibacterial activity of ZnO-dotted nanohybrids hydrothermally derived from ZnAl-layered double hydroxides. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 585-592.	2.5	20
96	Mesoporous composite NiCr ₂ O ₄ /Al-MCM-41: A novel photocatalyst for enhanced hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 18123-18133.	3.8	23
97	Production of an effective catalyst with increased oxygen vacancies from manganese slag for selective catalytic reduction of nitric oxide. <i>Journal of Environmental Management</i> , 2019, 239, 90-95.	3.8	18
98	Rapid evaluation of leaching potential of heavy metals from municipal solid waste incineration fly ash. <i>Journal of Environmental Management</i> , 2019, 238, 144-152.	3.8	32
99	Mechanism of Dissolving Tin Solders from Waste Printed Circuit Board Assemblies by Cyclic Fluoboric Acid Composite System. <i>Environmental Engineering Science</i> , 2019, 36, 903-911.	0.8	4
100	Improvement on Fluorine Migration from SF ₆ to SiF ₄ by an Efficient Mediator of Fe ₂ O ₃ /Cr ₂ O ₃ Composites. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16538-16545.	4.0	13
101	Enhancing oxidative capability of Ferrate(VI) for oxidative destruction of phenol in water through intercalation of Ferrate(VI) into layered double hydroxide. <i>Applied Clay Science</i> , 2019, 171, 48-56.	2.6	17
102	Formation, characteristics, and applications of environmentally persistent free radicals in biochars: A review. <i>Bioresource Technology</i> , 2019, 281, 457-468.	4.8	251
103	Driving forces of impervious surface in a world metropolitan area, Shanghai: threshold and scale effect. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 771.	1.3	7
104	Cytotoxicity comparison between fine particles emitted from the combustion of municipal solid waste and biomass. <i>Journal of Hazardous Materials</i> , 2019, 367, 316-324.	6.5	27
105	Modifications of autophagy influenced the Alzheimer-like changes in SH-SY5Y cells promoted by ultrafine black carbon. <i>Environmental Pollution</i> , 2019, 246, 763-771.	3.7	22
106	Comprehension of heavy metal stability in municipal solid waste incineration fly ash with its compositional variety: A quick prediction case of leaching potential. <i>Waste Management</i> , 2019, 84, 329-339.	3.7	41
107	Heavy metal leaching and distribution in glass products from the co-melting treatment of electroplating sludge and MSWI fly ash. <i>Journal of Environmental Management</i> , 2019, 232, 226-235.	3.8	92
108	High and long-term antibacterial activity against <i>Escherichia coli</i> via synergy between the antibiotic penicillin G and its carrier ZnAl layered double hydroxide. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 174, 435-442.	2.5	40

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109	Synthesis, characterization and catalytic application of ZnPO molecular sieve in wastewater system. <i>Journal of Cleaner Production</i> , 2019, 213, 1165-1171.	4.6	3
110	Co-treatment of hazardous wastes by the thermal plasma to produce an effective catalyst. <i>Journal of Cleaner Production</i> , 2019, 208, 243-251.	4.6	29
111	Nitrate removal from groundwater using negatively charged nanofiltration membrane. <i>Environmental Science and Pollution Research</i> , 2019, 26, 34197-34204.	2.7	19
112	A critical role of benzoquinone basic group in catalytic oxidation of H ₂ S by sewage sludge-derived catalyst. <i>Applied Surface Science</i> , 2019, 470, 1010-1017.	3.1	7
113	Enhanced remediation of arsenic and chromium co-contaminated soil by eletrokinetic-permeable reactive barriers with different reagents. <i>Environmental Science and Pollution Research</i> , 2019, 26, 3392-3403.	2.7	37
114	Novel multi-metal containing MnCr catalyst made from manganese slag and chromium wastewater for effective selective catalytic reduction of nitric oxide at low temperature. <i>Journal of Cleaner Production</i> , 2018, 183, 917-924.	4.6	45
115	A review on fabricating heterostructures from layered double hydroxides for enhanced photocatalytic activities. <i>Catalysis Science and Technology</i> , 2018, 8, 1207-1228.	2.1	89
116	Synergistic effect of PANI and NiFe ₂ O ₄ for photocatalytic hydrogen evolution under visible light. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 2121-2129.	3.8	42
117	Inland Vessels Emission Inventory and the emission characteristics of the Beijing-Hangzhou Grand Canal in Jiangsu province. <i>Chemical Engineering Research and Design</i> , 2018, 113, 498-506.	2.7	23
118	Improving the stability and efficiency of anaerobic digestion of food waste using additives: A critical review. <i>Journal of Cleaner Production</i> , 2018, 192, 316-326.	4.6	196
119	Towards utmost bioenergy conversion efficiency of food waste: Pretreatment, co-digestion, and reactor type. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 90, 700-709.	8.2	85
120	Understanding and application of an electroplating sludge-derived catalyst with an active texture for improved NO reduction. <i>Science of the Total Environment</i> , 2018, 631-632, 308-316.	3.9	18
121	Performance of layered double hydroxides intercalated with acetate as biodenitrification carbon source: The effects of metal ions and particle size. <i>Bioresource Technology</i> , 2018, 259, 99-103.	4.8	18
122	Influence factors of determining optimal organic solvents for swelling cured brominated epoxy resins to delaminate waste printed circuit boards. <i>Journal of Material Cycles and Waste Management</i> , 2018, 20, 245-253.	1.6	8
123	Municipal solid waste incineration (MSWI) fly ash washing pretreatment by biochemical effluent of landfill leachate: a potential substitute for water. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 1949-1954.	1.2	15
124	Enhancing recovery of magnesium as struvite from landfill leachate by pretreatment of calcium with simultaneous reduction of liquid volume via forward osmosis. <i>Science of the Total Environment</i> , 2018, 610-611, 137-146.	3.9	54
125	Migration and transformation of phosphorus in municipal sludge by the hydrothermal treatment and its directional adjustment. <i>Waste Management</i> , 2018, 81, 196-201.	3.7	43
126	Transformation of functional groups and environmentally persistent free radicals in hydrothermal carbonisation of lignin. <i>Bioresource Technology</i> , 2018, 270, 223-229.	4.8	58

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127	Soot Oxidation over CeO ₂ or Ag/CeO ₂ : Influences of Bulk Oxygen Vacancies and Surface Oxygen Vacancies on Activity and Stability of the Catalyst. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 2944-2951.	1.0	35
128	Enhancing the performance of an osmotic microbial fuel cell through self-buffering with reverse-fluxed sodium bicarbonate. <i>Chemical Engineering Journal</i> , 2018, 349, 241-248.	6.6	29
129	Identifying the reducing capacity of biomass derived hydrochar with different post-treatment methods. <i>Science of the Total Environment</i> , 2018, 643, 486-495.	3.9	30
130	Enhancing phosphorus release from waste activated sludge by combining high-voltage pulsed discharge pretreatment with anaerobic fermentation. <i>Journal of Cleaner Production</i> , 2018, 196, 1044-1051.	4.6	17
131	Is the finer the better for municipal solid waste (MSW) classification in view of recyclable constituents? A comprehensive social, economic and environmental analysis. <i>Waste Management</i> , 2018, 79, 472-480.	3.7	53
132	Degradation of refractory organics in biotreated landfill leachate using high voltage pulsed discharge combined with TiO ₂ . <i>Journal of Hazardous Materials</i> , 2017, 326, 221-228.	6.5	15
133	An investigation into mechanism of cation adsorption by reconstruction of calcined layered double hydroxide. <i>Microporous and Mesoporous Materials</i> , 2017, 242, 182-189.	2.2	16
134	Role of Layered Double Hydroxide in Improving the Stability of Aerobic Granular Sludge. <i>Clean - Soil, Air, Water</i> , 2017, 45, 1500943.	0.7	5
135	Valorization of Furfural Residue by Hydrothermal Carbonization: Processing Optimization, Chemical and Structural Characterization. <i>ChemistrySelect</i> , 2017, 2, 583-590.	0.7	7
136	Electroplating sludge derived zinc-ferrite catalyst for the efficient photo-Fenton degradation of dye. <i>Journal of Environmental Management</i> , 2017, 193, 146-153.	3.8	41
137	Effect of Heavy Metal (Zn) on Redox Property of Hydrochar Produced from Lignin, Cellulose, and Xylose. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 3499-3508.	3.2	33
138	Ferrite catalysts derived from electroplating sludge for high-calorie synthetic natural gas production. <i>Applied Catalysis A: General</i> , 2017, 534, 94-100.	2.2	23
139	A Heterostructure Coupling of Exfoliated NiFe Hydroxide Nanosheet and Defective Graphene as a Bifunctional Electrocatalyst for Overall Water Splitting. <i>Advanced Materials</i> , 2017, 29, 1700017.	11.1	845
140	The Transformation of Hybrid Silica Nanoparticles from Solid to Hollow or Yolk-Shell Nanostructures. <i>Chemistry - A European Journal</i> , 2017, 23, 8066-8072.	1.7	9
141	Comparison of gene expression profiles induced by fresh or ozone-oxidized black carbon particles in A549 cells. <i>Chemosphere</i> , 2017, 180, 212-220.	4.2	23
142	MicroRNA-18a-5p functions as an oncogene by directly targeting IRF2 in lung cancer. <i>Cell Death and Disease</i> , 2017, 8, e2764-e2764.	2.7	101
143	Preparation and adsorption properties of magnetic chitosan composite adsorbent for Cu ²⁺ removal. <i>Journal of Cleaner Production</i> , 2017, 158, 51-58.	4.6	117
144	Airborne nitro-PAHs induce Nrf2/ARE defense system against oxidative stress and promote inflammatory process by activating PI3K/Akt pathway in A549 cells. <i>Toxicology in Vitro</i> , 2017, 44, 66-73.	1.1	60

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145	Bromate inhibition by reduced graphene oxide in thermal/PMS process. <i>Water Research</i> , 2017, 122, 701-707.	5.3	44
146	Shape-controlled Hollow Mesoporous Silica Nanoparticles with Multifunctional Capping for In Vitro Cancer Treatment. <i>Chemistry - A European Journal</i> , 2017, 23, 10878-10885.	1.7	31
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