

# Lai Lyu

## List of Publications by Year in descending order

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161  
papers

10,422  
citations

28190

55  
h-index

35952

97  
g-index

165  
all docs

165  
docs citations

165  
times ranked

8085  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ag/AgBr/TiO <sub>2</sub> Visible Light Photocatalyst for Destruction of Azodyes and Bacteria. <i>Journal of Physical Chemistry B</i> , 2006, 110, 4066-4072.	1.2	552
2	Plasmon-Induced Photodegradation of Toxic Pollutants with Ag <sup>+</sup> /AgI/Al <sub>2</sub> O <sub>3</sub> under Visible-Light Irradiation. <i>Journal of the American Chemical Society</i> , 2010, 132, 857-862.	6.6	541
3	Electronic Structure Modulation of Graphitic Carbon Nitride by Oxygen Doping for Enhanced Catalytic Degradation of Organic Pollutants through Peroxymonosulfate Activation. <i>Environmental Science &amp; Technology</i> , 2018, 52, 14371-14380.	4.6	455
4	New Insights into the Generation of Singlet Oxygen in the Metal-Free Peroxymonosulfate Activation Process: Important Role of Electron-Deficient Carbon Atoms. <i>Environmental Science &amp; Technology</i> , 2020, 54, 1232-1241.	4.6	400
5	Enhanced photodegradation of toxic organic pollutants using dual-oxygen-doped porous g-C <sub>3</sub> N <sub>4</sub> : Mechanism exploration from both experimental and DFT studies. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 1-10.	10.8	291
6	Degradation of selected pharmaceuticals in aqueous solution with UV and UV/H <sub>2</sub> O <sub>2</sub> . <i>Water Research</i> , 2009, 43, 1766-1774.	5.3	288
7	Mechanism of Catalytic Ozonation in Fe <sub>2</sub> O <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> @SBA-15 Aqueous Suspension for Destruction of Ibuprofen. <i>Environmental Science &amp; Technology</i> , 2015, 49, 1690-1697.	4.6	286
8	Enhanced Fenton Catalytic Efficiency of <sup>13</sup> Cu <sup>+</sup> /Al <sub>2</sub> O <sub>3</sub> by <sup>17</sup> F-Cu <sup>2+</sup> Ligand Complexes from Aromatic Pollutant Degradation. <i>Environmental Science &amp; Technology</i> , 2015, 49, 8639-8647.	4.6	247
9	Photocatalytic Degradation of Pathogenic Bacteria with AgI/TiO <sub>2</sub> under Visible Light Irradiation. <i>Langmuir</i> , 2007, 23, 4982-4987.	1.6	217
10	Surface oxygen vacancy inducing peroxymonosulfate activation through electron donation of pollutants over cobalt-zinc ferrite for water purification. <i>Applied Catalysis B: Environmental</i> , 2020, 270, 118874.	10.8	207
11	Catalytic Ozonation of Selected Pharmaceuticals over Mesoporous Alumina-Supported Manganese Oxide. <i>Environmental Science &amp; Technology</i> , 2009, 43, 2525-2529.	4.6	203
12	Efficient Destruction of Pollutants in Water by a Dual-Reaction-Center Fenton-like Process over Carbon Nitride Compounds-Complexed Cu(II)-CuAlO <sub>2</sub> . <i>Environmental Science &amp; Technology</i> , 2018, 52, 4294-4304.	4.6	203
13	Unraveling the High-Activity Origin of Single-Atom Iron Catalysts for Organic Pollutant Oxidation via Peroxymonosulfate Activation. <i>Environmental Science &amp; Technology</i> , 2021, 55, 8318-8328.	4.6	198
14	Visible-Light-Induced Photocatalytic Degradation of Azodyes in Aqueous AgI/TiO <sub>2</sub> Dispersion. <i>Environmental Science &amp; Technology</i> , 2006, 40, 7903-7907.	4.6	180
15	4-Phenoxyphenol-Functionalized Reduced Graphene Oxide Nanosheets: A Metal-Free Fenton-Like Catalyst for Pollutant Destruction. <i>Environmental Science &amp; Technology</i> , 2018, 52, 747-756.	4.6	180
16	Mechanistic analysis of multiple processes controlling solar-driven H <sub>2</sub> O <sub>2</sub> synthesis using engineered polymeric carbon nitride. <i>Nature Communications</i> , 2021, 12, 3701.	5.8	175
17	Enhanced Fenton degradation of Rhodamine B over nanoscaled Cu-doped LaTiO <sub>3</sub> perovskite. <i>Applied Catalysis B: Environmental</i> , 2012, 125, 418-424.	10.8	174
18	Enhanced Fenton-like degradation of pharmaceuticals over framework copper species in copper-doped mesoporous silica microspheres. <i>Chemical Engineering Journal</i> , 2015, 274, 298-306.	6.6	170

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19	Transformation of humic acid and halogenated byproduct formation in UV-chlorine processes. <i>Water Research</i> , 2016, 102, 421-427.	5.3	164
20	Efficient Fenton-like Process for Pollutant Removal in Electron-Rich/Poor Reaction Sites Induced by Surface Oxygen Vacancy over Cobalt-Zinc Oxides. <i>Environmental Science &amp; Technology</i> , 2020, 54, 8333-8343.	4.6	137
21	Selective H <sub>2</sub> O <sub>2</sub> conversion to hydroxyl radicals in the electron-rich area of hydroxylated C-g-C <sub>3</sub> N <sub>4</sub> /CuCo-Al <sub>2</sub> O <sub>3</sub> . <i>Journal of Materials Chemistry A</i> , 2017, 5, 7153-7164.	5.2	136
22	Catalytic ozonation of toxic pollutants over magnetic cobalt and manganese co-doped $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> . <i>Applied Catalysis B: Environmental</i> , 2010, 100, 62-67.	10.8	131
23	Enhanced degradation of organic pollutants over Cu-doped LaAlO <sub>3</sub> perovskite through heterogeneous Fenton-like reactions. <i>Chemical Engineering Journal</i> , 2018, 332, 572-581.	6.6	131
24	Characterization and Reactivity of MnO <sub>x</sub> Supported on Mesoporous Zirconia for Herbicide 2,4-D Mineralization with Ozone. <i>Environmental Science &amp; Technology</i> , 2008, 42, 3363-3368.	4.6	118
25	Enhanced catalytic degradation of ciprofloxacin over Ce-doped OMS-2 microspheres. <i>Applied Catalysis B: Environmental</i> , 2016, 181, 561-569.	10.8	118
26	Enhanced Fenton-like degradation of refractory organic compounds by surface complex formation of LaFeO <sub>3</sub> and H <sub>2</sub> O <sub>2</sub> . <i>Journal of Hazardous Materials</i> , 2015, 294, 195-200.	6.5	107
27	Highly nitrogen-doped porous carbon transformed from graphitic carbon nitride for efficient metal-free catalysis. <i>Journal of Hazardous Materials</i> , 2020, 393, 121280.	6.5	105
28	Self-assembled synthesis of benzene-ring-grafted g-C <sub>3</sub> N <sub>4</sub> nanotubes for enhanced photocatalytic H <sub>2</sub> evolution. <i>Applied Catalysis B: Environmental</i> , 2020, 279, 119401.	10.8	104
29	Characterization of biofilm and corrosion of cast iron pipes in drinking water distribution system with UV/Cl <sub>2</sub> disinfection. <i>Water Research</i> , 2014, 60, 174-181.	5.3	101
30	p-AgI anchored on {001} facets of n-Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> sheets with enhanced photocatalytic activity and stability. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 34-41.	10.8	97
31	Coordination Number Dependent Catalytic Activity of Single-Atom Cobalt Catalysts for Fenton-Like Reaction. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	87
32	Framework Cu-doped AlPO <sub>4</sub> as an effective Fenton-like catalyst for bisphenol A degradation. <i>Applied Catalysis B: Environmental</i> , 2017, 207, 9-16.	10.8	86
33	Photoassisted degradation of endocrine disruptors over CuO-FeOOH with H <sub>2</sub> O <sub>2</sub> at neutral pH. <i>Applied Catalysis B: Environmental</i> , 2009, 87, 30-36.	10.8	84
34	Efficient Destruction of Pathogenic Bacteria with NiO/SrBi <sub>2</sub> O <sub>4</sub> under Visible Light Irradiation. <i>Environmental Science &amp; Technology</i> , 2006, 40, 5508-5513.	4.6	81
35	Construction of g-C <sub>3</sub> N <sub>4</sub> /WO <sub>3</sub> /MoS <sub>2</sub> ternary nanocomposite with enhanced charge separation and collection for efficient wastewater treatment under visible light. <i>Chemosphere</i> , 2020, 247, 125784.	4.2	80
36	Efficient inhibition of photogenerated electron-hole recombination through persulfate activation and dual-pathway degradation of micropollutants over iron molybdate. <i>Applied Catalysis B: Environmental</i> , 2019, 257, 117904.	10.8	79

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37	Synergistic effect of the sequential use of UV irradiation and chlorine to disinfect reclaimed water. <i>Water Research</i> , 2012, 46, 1225-1232.	5.3	77
38	Origin of the Excellent Activity and Selectivity of a Single-Atom Copper Catalyst with Unsaturated Cu-N <sub>2</sub> Sites via Peroxydisulfate Activation: Cu(III) as a Dominant Oxidizing Species. <i>Environmental Science &amp; Technology</i> , 2022, 56, 8765-8775.	4.6	77
39	Enhanced internal electric field in S-doped BiOBr for intercalation, adsorption and degradation of ciprofloxacin by photoinitiation. <i>Applied Catalysis B: Environmental</i> , 2022, 302, 120824.	10.8	75
40	Internal electric field construction on dual oxygen group-doped carbon nitride for enhanced photodegradation of pollutants under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117705.	10.8	74
41	Enhanced Fenton-catalytic efficiency by highly accessible active sites on dandelion-like copper-aluminum-silica nanospheres for water purification. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8610-8619.	5.2	73
42	A dual-reaction-center Fenton-like process on Cu-Cu linkage between copper oxides and defect-containing g-C <sub>3</sub> N <sub>4</sub> for efficient removal of organic pollutants. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17819-17828.	5.2	73
43	Two-dimensional graphene/g-C <sub>3</sub> N <sub>4</sub> in-plane hybrid heterostructure for enhanced photocatalytic activity with surface-adsorbed pollutants assistant. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118397.	10.8	71
44	General synthesis of carbon and oxygen dual-doped graphitic carbon nitride via copolymerization for non-photochemical oxidation of organic pollutant. <i>Journal of Hazardous Materials</i> , 2020, 394, 122578.	6.5	71
45	Cationic structure inducing efficient peroxymonosulfate activation for pollutant degradation over atomically dispersed cobalt bonding graphene-like nanospheres. <i>Applied Catalysis B: Environmental</i> , 2021, 286, 119912.	10.8	71
46	Galvanic-like cells produced by negative charge nonuniformity of lattice oxygen on d-TiCuAl-SiO <sub>2</sub> nanospheres for enhancement of Fenton-catalytic efficiency. <i>Environmental Science: Nano</i> , 2016, 3, 1483-1492.	2.2	68
47	Facile synthesis of nitrogen-deficient mesoporous graphitic carbon nitride for highly efficient photocatalytic performance. <i>Applied Surface Science</i> , 2019, 478, 304-312.	3.1	68
48	Enhanced photoactivity of Bi <sub>2</sub> WO <sub>6</sub> by iodide insertion into the interlayer for water purification under visible light. <i>Chemical Engineering Journal</i> , 2018, 352, 664-672.	6.6	65
49	Fe-N-Graphene Wrapped Al <sub>2</sub> O <sub>3</sub> /Pentlandite from Microalgae: High Fenton Catalytic Efficiency from Enhanced Fe <sup>3+</sup> Reduction. <i>Environmental Science &amp; Technology</i> , 2018, 52, 3608-3614.	4.6	64
50	Effect of sequential UV/free chlorine disinfection on opportunistic pathogens and microbial community structure in simulated drinking water distribution systems. <i>Chemosphere</i> , 2019, 219, 971-980.	4.2	64
51	Insights into the difference in metal-free activation of peroxymonosulfate and peroxydisulfate. <i>Chemical Engineering Journal</i> , 2020, 394, 123936.	6.6	63
52	Porous Bi <sub>2</sub> O <sub>3</sub> with multiple vacancy associates on highly exposed active {220} facets for enhanced photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2020, 265, 118563.	10.8	62
53	Enhanced polarization of electron-poor/rich micro-centers over nZVCu-Cu(II)-rGO for pollutant removal with H <sub>2</sub> O <sub>2</sub> . <i>Journal of Hazardous Materials</i> , 2020, 383, 121182.	6.5	61
54	Characterization and reactivity of biogenic manganese oxides for ciprofloxacin oxidation. <i>Journal of Environmental Sciences</i> , 2014, 26, 1154-1161.	3.2	60

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55	Enhanced photocatalytic performance by the synergy of Bi vacancies and BiO in BiO-Bi <sub>2</sub> -ÎMoO <sub>6</sub> . <i>Applied Catalysis B: Environmental</i> , 2019, 257, 117785.	10.8	60
56	Efficient Fenton-like Process Induced by Fortified Electron-Rich O Microcenter on the Reduction State Cu-Doped CNO Polymer. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 16496-16505.	4.0	59
57	Effects of phosphate-enhanced ozone/biofiltration on formation of disinfection byproducts and occurrence of opportunistic pathogens in drinking water distribution systems. <i>Water Research</i> , 2018, 139, 168-176.	5.3	58
58	Framework Cu-doped boron nitride nanobelts with enhanced internal electric field for effective Fenton-like removal of organic pollutants. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6946-6956.	5.2	54
59	Engineering the low-coordinated single cobalt atom to boost persulfate activation for enhanced organic pollutant oxidation. <i>Applied Catalysis B: Environmental</i> , 2022, 303, 120877.	10.8	54
60	Simple Amphoteric Charge Strategy to Reinforce Superhydrophilic Polyvinylidene Fluoride Membrane for Highly Efficient Separation of Various Surfactant-Stabilized Oil-in-Water Emulsions. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 47018-47028.	4.0	52
61	AgBr-wrapped Ag chelated on nitrogen-doped reduced graphene oxide for water purification under visible light. <i>Applied Catalysis B: Environmental</i> , 2018, 220, 118-125.	10.8	51
62	Degradation characteristics of humic acid over iron oxides/FeO core-shell nanoparticles with UVA/H <sub>2</sub> O <sub>2</sub> . <i>Journal of Hazardous Materials</i> , 2010, 173, 474-479.	6.5	50
63	Efficient Fenton-like process for organic pollutant degradation on Cu-doped mesoporous polyimide nanocomposites. <i>Environmental Science: Nano</i> , 2019, 6, 798-808.	2.2	49
64	Hierarchically Active Poly(vinylidene fluoride) Membrane Fabricated by In Situ Generated Zero-Valent Iron for Fouling Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 10993-11004.	4.0	49
65	Response of microorganisms in biofilm to sulfadiazine and ciprofloxacin in drinking water distribution systems. <i>Chemosphere</i> , 2019, 218, 197-204.	4.2	48
66	Nitrogen-Coordinated Cobalt Embedded in a Hollow Carbon Polyhedron for Superior Catalytic Oxidation of Organic Contaminants with Peroxymonosulfate. <i>ACS ES&amp;T Engineering</i> , 2021, 1, 76-85.	3.7	48
67	Photoassisted Degradation of Azodyes over FeOxH <sub>2</sub> x-3/FeO in the Presence of H <sub>2</sub> O <sub>2</sub> at Neutral pH Values. <i>Environmental Science &amp; Technology</i> , 2007, 41, 4715-4719.	4.6	47
68	In situ generation and efficient activation of H <sub>2</sub> O <sub>2</sub> for pollutant degradation over CoMoS <sub>2</sub> nanosphere-embedded rGO nanosheets and its interfacial reaction mechanism. <i>Journal of Colloid and Interface Science</i> , 2019, 543, 214-224.	5.0	47
69	One-year survey of opportunistic premise plumbing pathogens and free-living amoebae in the tap-water of one northern city of China. <i>Journal of Environmental Sciences</i> , 2019, 77, 20-31.	3.2	46
70	Enhanced azo dye decolorization through charge transmission by Îf-Sb <sup>3+</sup> -azo complexes on amorphous Sb <sub>2</sub> S <sub>3</sub> under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2019, 240, 132-140.	10.8	45
71	Theoretical and experimental evidence for rGO-4-PP Nc as a metal-free Fenton-like catalyst by tuning the electron distribution. <i>RSC Advances</i> , 2018, 8, 3312-3320.	1.7	44
72	Sulfadiazine/ciprofloxacin promote opportunistic pathogens occurrence in bulk water of drinking water distribution systems. <i>Environmental Pollution</i> , 2018, 234, 71-78.	3.7	42

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73	Structure-based virtual screening of influenza virus RNA polymerase inhibitors from natural compounds: Molecular dynamics simulation and MM-GBSA calculation. <i>Computational Biology and Chemistry</i> , 2020, 85, 107241.	1.1	41
74	Characterization and adsorption performance of Zr-doped akaganite for efficient arsenic removal. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 629-635.	1.6	40
75	Oxygen vacancy enhanced photostability and activity of plasmon-Ag composites in the visible to near-infrared region for water purification. <i>Applied Catalysis B: Environmental</i> , 2016, 199, 230-240.	10.8	40
76	Efficient solar hydrogen production coupled with organics degradation by a hybrid tandem photocatalytic fuel cell using a silicon-doped TiO <sub>2</sub> nanorod array with enhanced electronic properties. <i>Journal of Hazardous Materials</i> , 2020, 394, 121425.	6.5	38
77	Efficient removal of disinfection by-products precursors and inhibition of bacterial detachment by strong interaction of EPS with coconut shell activated carbon in ozone/biofiltration. <i>Journal of Hazardous Materials</i> , 2020, 392, 122077.	6.5	38
78	A self-sustaining monolithic photoelectrocatalytic/photovoltaic system based on a WO <sub>3</sub> /BiVO <sub>4</sub> photoanode and Si PVC for efficiently producing clean energy from refractory organics degradation. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 309-317.	10.8	37
79	Dual-reaction-center catalytic process continues Fenton's story. <i>Frontiers of Environmental Science and Engineering</i> , 2020, 14, 1.	3.3	36
80	Notable light-free catalytic activity for pollutant destruction over flower-like BiOI microspheres by a dual-reaction-center Fenton-like process. <i>Journal of Colloid and Interface Science</i> , 2018, 527, 251-259.	5.0	35
81	Treatment of NOM fractions of reservoir sediments: Effect of UV and chlorination on formation of DBPs. <i>Separation and Purification Technology</i> , 2015, 154, 228-235.	3.9	32
82	Impacts of bacteria and corrosion on removal of natural organic matter and disinfection byproducts in different drinking water distribution systems. <i>International Biodeterioration and Biodegradation</i> , 2017, 117, 52-59.	1.9	32
83	Ascorbic acid oxygen-induced micro-electronic fields over metal-free polyimide for peroxymonosulfate activation to realize efficient multi-pathway destruction of contaminants. <i>Journal of Materials Chemistry A</i> , 2020, 8, 810-819.	5.2	31
84	Enhanced Fenton-like efficiency by the synergistic effect of oxygen vacancies and organics adsorption on Fe <sub>3</sub> O <sub>4</sub> -g-C <sub>3</sub> N <sub>4</sub> with Fe-N complexation. <i>Journal of Hazardous Materials</i> , 2021, 408, 124818.	6.5	31
85	Cu-doped Bi <sub>2</sub> O <sub>3</sub> /BiO composite as an efficient Fenton-like catalyst for degradation of 2-chlorophenol. <i>Separation and Purification Technology</i> , 2016, 157, 203-208.	3.9	29
86	Interaction of ciprofloxacin chlorination products with bacteria in drinking water distribution systems. <i>Journal of Hazardous Materials</i> , 2017, 339, 174-181.	6.5	29
87	Effects of O <sub>3</sub> /Cl <sub>2</sub> disinfection on corrosion and opportunistic pathogens growth in drinking water distribution systems. <i>Journal of Environmental Sciences</i> , 2018, 73, 38-46.	3.2	27
88	Highly improved photoelectrocatalytic efficiency and stability of WO <sub>3</sub> photoanodes by the facile in situ growth of TiO <sub>2</sub> branch overlayers. <i>Nanoscale</i> , 2018, 10, 13393-13401.	2.8	27
89	Enhancing photocatalytic performance by direct photo-excited electron transfer from organic pollutants to low-polymerized graphitic carbon nitride with more C-NH/NH <sub>2</sub> exposure. <i>Applied Catalysis B: Environmental</i> , 2021, 296, 120316.	10.8	26
90	Efficient catalytic aerobic oxidation of chlorinated phenols with mixed-valent manganese oxide nanoparticles. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 80-86.	1.6	25

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91	Carbonized MOF-Coated Zero-Valent Cu Driving an Efficient Dual-Reaction-Center Fenton-like Water Treatment Process through Utilizing Pollutants and Natural Dissolved Oxygen. ACS ES&T Water, 2022, 2, 174-183.	2.3	25
92	Efficient light-free activation of peroxymonosulfate by carbon ring conjugated carbon nitride for elimination of organic pollutants. Chemical Engineering Journal, 2021, 420, 129671.	6.6	24
93	Enhanced photocatalytic destruction of pollutants by surface W vacancies in VW-Bi <sub>2</sub> WO <sub>6</sub> under visible light. Journal of Colloid and Interface Science, 2020, 576, 385-393.	5.0	23
94	More octahedral Cu <sup>+</sup> and surface acid sites in uniformly porous Cu-Al <sub>2</sub> O <sub>3</sub> for enhanced Fenton catalytic performances. Journal of Hazardous Materials, 2021, 406, 124739.	6.5	23
95	Mesoporous reduction state cobalt species-doped silica nanospheres: An efficient Fenton-like catalyst for dual-pathway degradation of organic pollutants. Journal of Colloid and Interface Science, 2020, 576, 59-67.	5.0	22
96	H <sub>2</sub> O <sub>2</sub> inducing dissolved oxygen activation and electron donation of pollutants over Fe-ZnS quantum dots through surface electron-poor/rich microregion construction for water treatment. Journal of Hazardous Materials, 2021, 420, 126579.	6.5	22
97	Enhanced photocatalytic efficiency by direct photoexcited electron transfer from pollutants adsorbed on the surface valence band of BiOBr modified with graphitized C. Journal of Hazardous Materials, 2022, 424, 127502.	6.5	22
98	Effects of disinfection efficiency on microbial communities and corrosion processes in drinking water distribution systems simulated with actual running conditions. Journal of Environmental Sciences, 2020, 88, 273-282.	3.2	21
99	One-step scalable synthesis of honeycomb-like g-C <sub>3</sub> N <sub>4</sub> with broad sub-bandgap absorption for superior visible-light-driven photocatalytic hydrogen evolution. RSC Advances, 2019, 9, 32674-32682.	1.7	20
100	Highly Efficient Hydrogen and Electricity Production Combined with Degradation of Organics Based on a Novel Solar Water-Energy Nexus System. ACS Applied Materials & Interfaces, 2020, 12, 2505-2515.	4.0	20
101	Heterogeneous Fenton-like reaction followed by GAC filtration improved removal efficiency of NOM and DBPs without adjusting pH. Separation and Purification Technology, 2021, 260, 118234.	3.9	20
102	Cation- $\pi$ induced surface cleavage of organic pollutants with $\cdot$ OH formation from H <sub>2</sub> O for water treatment. IScience, 2021, 24, 102874.	1.9	20
103	Adsorption and removal of arsenite on ordered mesoporous Fe-modified ZrO <sub>2</sub> . Desalination and Water Treatment, 2009, 8, 139-145.	1.0	19
104	Engineering 1,3-Alternate Calixcarbazole for Recognition and Sensing of Bisphenol F in Water. Analytical Chemistry, 2016, 88, 10751-10756.	3.2	19
105	O <sub>3</sub> -BAC-Cl <sub>2</sub> : A multi-barrier process controlling the regrowth of opportunistic waterborne pathogens in drinking water distribution systems. Journal of Environmental Sciences, 2019, 76, 142-153.	3.2	19
106	Surface sulfur vacancies enhanced electron transfer over Co-ZnS quantum dots for efficient degradation of plasticizer micropollutants by peroxymonosulfate activation. Chinese Chemical Letters, 2022, 33, 3829-3834.	4.8	19
107	Nanoconfinement-Regulated Peroxymonosulfate Activation via an Anomalously Efficient Mediated Electron-Transfer Pathway on Cobalt. ACS ES&T Engineering, 2022, 2, 2014-2022.	3.7	19
108	Synthesis, Characterization, and Biological Activity of a Novel Series of Benzo[4,5]imidazo[2,1-b]thiazole Derivatives as Potential Epidermal Growth Factor Receptor Inhibitors. Molecules, 2019, 24, 682.	1.7	18

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109	The control of red water occurrence and opportunistic pathogens risks in drinking water distribution systems: A review. <i>Journal of Environmental Sciences</i> , 2021, 110, 92-98.	3.2	17
110	Tailoring aromatic ring-terminated edges of g-C <sub>3</sub> N <sub>4</sub> nanosheets for efficient photocatalytic hydrogen evolution with simultaneous antibiotic removal. <i>Catalysis Science and Technology</i> , 2020, 10, 5470-5479.	2.1	16
111	Enhanced Fenton-like process via interfacial electron donating of pollutants over in situ Cobalt-doped graphitic carbon nitride. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 673-682.	5.0	16
112	Enhanced Fenton-like catalytic performance of Cu-Al/KIT-6 and the key role of O <sub>2</sub> in triggering reaction. <i>Chemical Engineering Journal</i> , 2020, 387, 124006.	6.6	15
113	Vanadium tetrasulfide cross-linking graphene-like carbon driving a sustainable electron supply chain from pollutants through the activation of dissolved oxygen and hydrogen peroxide. <i>Environmental Science: Nano</i> , 2021, 8, 86-96.	2.2	15
114	Enhanced Photodegradation of Toxic Pollutants on Plasmonic Au@Ag/Al <sub>2</sub> O <sub>3</sub> Under Visible Irradiation. <i>Catalysis Letters</i> , 2012, 142, 646-654.	1.4	14
115	Enhanced electron transfer and silver-releasing suppression in Ag@AgBr/titanium-doped Al <sub>2</sub> O <sub>3</sub> suspensions with visible-light irradiation. <i>Journal of Hazardous Materials</i> , 2012, 219-220, 276-282.	6.5	14
116	Inhibiting the increase of antibiotic resistance genes during drinking water distribution by superior microbial interface using Fe modified granular activated carbon. <i>Journal of Cleaner Production</i> , 2022, 335, 130225.	4.6	14
117	Fe-Fe conjugation driving peroxymonosulfate activation for pollutant elimination over metal-free graphitized polyimide surface. <i>Journal of Hazardous Materials</i> , 2021, 412, 125191.	6.5	13
118	Design, synthesis, and biological activity of a novel series of benzofuran derivatives against oestrogen receptor-dependent breast cancer cell lines. <i>Bioorganic Chemistry</i> , 2020, 95, 103566.	2.0	12
119	Enhanced •OH generation and pollutants removal by framework Cu doped LaAlO <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> . <i>Journal of Hazardous Materials</i> , 2022, 431, 128578.	6.5	12
120	Efficient Removal of Toxic Pollutants Over Fe@Co/ZrO <sub>2</sub> Bimetallic Catalyst with Ozone. <i>Catalysis Letters</i> , 2012, 142, 1026-1032.	1.4	11
121	Improving the charge properties of the WO <sub>3</sub> photoanode using a BiFeO <sub>3</sub> ferroelectric nanolayer. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 8241-8245.	1.3	11
122	Design, synthesis and cytotoxic evaluation of a novel series of benzo[d]thiazole-2-carboxamide derivatives as potential EGFR inhibitors. <i>Medicinal Chemistry Research</i> , 2017, 26, 2180-2189.	1.1	11
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#	ARTICLE	IF	CITATIONS
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