

Xiaoguang Duan

List of Publications by Year in descending order

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243
papers

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3531

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docs citations

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times ranked

12657
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-Free Carbocatalysis in Advanced Oxidation Reactions. <i>Accounts of Chemical Research</i> , 2018, 51, 678-687.	15.6	968
2	Catalytic Removal of Aqueous Contaminants on N-Doped Graphitic Biochars: Inherent Roles of Adsorption and Nonradical Mechanisms. <i>Environmental Science & Technology</i> , 2018, 52, 8649-8658.	10.0	820
3	Persulfate Activation on Crystallographic Manganese Oxides: Mechanism of Singlet Oxygen Evolution for Nonradical Selective Degradation of Aqueous Contaminants. <i>Environmental Science & Technology</i> , 2019, 53, 307-315.	10.0	817
4	N-Doping-Induced Nonradical Reaction on Single-Walled Carbon Nanotubes for Catalytic Phenol Oxidation. <i>ACS Catalysis</i> , 2015, 5, 553-559.	11.2	772
5	Nonradical reactions in environmental remediation processes: Uncertainty and challenges. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 973-982.	20.2	694
6	Nitrogen-Doped Graphene for Generation and Evolution of Reactive Radicals by Metal-Free Catalysis. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 4169-4178.	8.0	677
7	Insights into Heterogeneous Catalysis of Persulfate Activation on Dimensional-Structured Nanocarbons. <i>ACS Catalysis</i> , 2015, 5, 4629-4636.	11.2	642
8	Occurrence of radical and nonradical pathways from carbocatalysts for aqueous and nonaqueous catalytic oxidation. <i>Applied Catalysis B: Environmental</i> , 2016, 188, 98-105.	20.2	570
9	Sulfur and Nitrogen Co-Doped Graphene for Metal-Free Catalytic Oxidation Reactions. <i>Small</i> , 2015, 11, 3036-3044.	10.0	567
10	The Intrinsic Nature of Persulfate Activation and N-Doping in Carbocatalysis. <i>Environmental Science & Technology</i> , 2020, 54, 6438-6447.	10.0	536
11	Single-atom catalysis in advanced oxidation processes for environmental remediation. <i>Chemical Society Reviews</i> , 2021, 50, 5281-5322.	38.1	502
12	Recent advances in transition metal-based electrocatalysts for alkaline hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14971-15005.	10.3	501
13	Activation of Peroxydisulfate on Carbon Nanotubes: Electron-Transfer Mechanism. <i>Environmental Science & Technology</i> , 2019, 53, 14595-14603.	10.0	464
14	Insights into the Electron-Transfer Regime of Peroxydisulfate Activation on Carbon Nanotubes: The Role of Oxygen Functional Groups. <i>Environmental Science & Technology</i> , 2020, 54, 1267-1275.	10.0	452
15	Origins of Electron-Transfer Regime in Persulfate-Based Nonradical Oxidation Processes. <i>Environmental Science & Technology</i> , 2022, 56, 78-97.	10.0	445
16	Insights into perovskite-catalyzed peroxymonosulfate activation: Maneuverable cobalt sites for promoted evolution of sulfate radicals. <i>Applied Catalysis B: Environmental</i> , 2018, 220, 626-634.	20.2	428
17	Surface controlled generation of reactive radicals from persulfate by carbocatalysis on nanodiamonds. <i>Applied Catalysis B: Environmental</i> , 2016, 194, 7-15.	20.2	390
18	An insight into metal organic framework derived N-doped graphene for the oxidative degradation of persistent contaminants: formation mechanism and generation of singlet oxygen from peroxymonosulfate. <i>Environmental Science: Nano</i> , 2017, 4, 315-324.	4.3	372

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19	Identification and Regulation of Active Sites on Nanodiamonds: Establishing a Highly Efficient Catalytic System for Oxidation of Organic Contaminants. <i>Advanced Functional Materials</i> , 2018, 28, 1705295.	14.9	370
20	Unveiling the active sites of graphene-catalyzed peroxymonosulfate activation. <i>Carbon</i> , 2016, 107, 371-378.	10.3	359
21	N-doped graphitic biochars from C-phycocyanin extracted <i>Spirulina</i> residue for catalytic persulfate activation toward nonradical disinfection and organic oxidation. <i>Water Research</i> , 2019, 159, 77-86.	11.3	347
22	Facile synthesis of nitrogen-doped graphene via low-temperature pyrolysis: The effects of precursors and annealing ambience on metal-free catalytic oxidation. <i>Carbon</i> , 2017, 115, 649-658.	10.3	323
23	Porous Carbons: Structure-Oriented Design and Versatile Applications. <i>Advanced Functional Materials</i> , 2020, 30, 1909265.	14.9	316
24	Facile assembly of Bi ₂ O ₃ /Bi ₂ S ₃ /MoS ₂ n-p heterojunction with layered n-Bi ₂ O ₃ and p-MoS ₂ for enhanced photocatalytic water oxidation and pollutant degradation. <i>Applied Catalysis B: Environmental</i> , 2017, 200, 47-55.	20.2	314
25	Degradation of Cosmetic Microplastics via Functionalized Carbon Nanosprings. <i>Matter</i> , 2019, 1, 745-758.	10.0	306
26	0D (MoS ₂)/2D (g-C ₃ N ₄) heterojunctions in Z-scheme for enhanced photocatalytic and electrochemical hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2018, 228, 64-74.	20.2	298
27	Potential Difference Driving Electron Transfer via Defective Carbon Nanotubes toward Selective Oxidation of Organic Micropollutants. <i>Environmental Science & Technology</i> , 2020, 54, 8464-8472.	10.0	288
28	Nanocarbons in different structural dimensions (0-3D) for phenol adsorption and metal-free catalytic oxidation. <i>Applied Catalysis B: Environmental</i> , 2015, 179, 352-362.	20.2	277
29	Engineered carbon supported single iron atom sites and iron clusters from Fe-rich Enteromorpha for Fenton-like reactions via nonradical pathways. <i>Applied Catalysis B: Environmental</i> , 2021, 287, 119963.	20.2	271
30	Z-scheme plasmonic Ag decorated WO ₃ /Bi ₂ WO ₆ hybrids for enhanced photocatalytic abatement of chlorinated-VOCs under solar light irradiation. <i>Applied Catalysis B: Environmental</i> , 2019, 242, 76-84.	20.2	270
31	Activation of peroxymonosulfate by carbonaceous oxygen groups: experimental and density functional theory calculations. <i>Applied Catalysis B: Environmental</i> , 2016, 198, 295-302.	20.2	261
32	Mixed Conducting Perovskite Materials as Superior Catalysts for Fast Aqueous-Phase Advanced Oxidation: A Mechanistic Study. <i>ACS Catalysis</i> , 2017, 7, 388-397.	11.2	260
33	Insights into N-doping in single-walled carbon nanotubes for enhanced activation of superoxides: a mechanistic study. <i>Chemical Communications</i> , 2015, 51, 15249-15252.	4.1	259
34	Remediation of antibiotic wastewater by coupled photocatalytic and persulfate oxidation system: A critical review. <i>Journal of Hazardous Materials</i> , 2021, 408, 124461.	12.4	246
35	A new magnetic nano zero-valent iron encapsulated in carbon spheres for oxidative degradation of phenol. <i>Applied Catalysis B: Environmental</i> , 2015, 172-173, 73-81.	20.2	244
36	N-Doped Graphene from Metal-Organic Frameworks for Catalytic Oxidation of p-Hydroxybenzoic Acid: N-Functionality and Mechanism. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2693-2701.	6.7	243

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37	New insights into heterogeneous generation and evolution processes of sulfate radicals for phenol degradation over one-dimensional $\text{I}\pm\text{-MnO}_2$ nanostructures. <i>Chemical Engineering Journal</i> , 2015, 266, 12-20.	12.7	229
38	Nitrogen- and Sulfur-Codoped Hierarchically Porous Carbon for Adsorptive and Oxidative Removal of Pharmaceutical Contaminants. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 7184-7193.	8.0	224
39	Heterogeneous activation of peroxymonosulfate by amorphous boron for degradation of bisphenol S. <i>Journal of Hazardous Materials</i> , 2017, 322, 532-539.	12.4	218
40	Nanodiamonds in sp ² /sp ³ configuration for radical to nonradical oxidation: Core-shell layer dependence. <i>Applied Catalysis B: Environmental</i> , 2018, 222, 176-181.	20.2	214
41	Sub-5 nm Ultra-Fine FeP Nanodots as Efficient Co-Catalysts Modified Porous $\text{g-C}_{3\text{N}_4}$ for Precious-Metal-Free Photocatalytic Hydrogen Evolution under Visible Light. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5651-5660.	8.0	208
42	Fast and Long-Lasting Iron(III) Reduction by Boron Toward Green and Accelerated Fenton Chemistry. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16517-16526.	13.8	206
43	Nitrogen-doped bamboo-like carbon nanotubes with Ni encapsulation for persulfate activation to remove emerging contaminants with excellent catalytic stability. <i>Chemical Engineering Journal</i> , 2018, 332, 398-408.	12.7	199
44	Low temperature combustion synthesis of nitrogen-doped graphene for metal-free catalytic oxidation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3432-3440.	10.3	194
45	Roles of structure defect, oxygen groups and heteroatom doping on carbon in nonradical oxidation of water contaminants. <i>Water Research</i> , 2020, 185, 116244.	11.3	194
46	Iridium-based nanomaterials for electrochemical water splitting. <i>Nano Energy</i> , 2020, 78, 105270.	16.0	192
47	Density Functional Theory Calculations for Insight into the Heterocatalyst Reactivity and Mechanism in Persulfate-Based Advanced Oxidation Reactions. <i>ACS Catalysis</i> , 2021, 11, 11129-11159.	11.2	190
48	Correlation of Active Sites to Generated Reactive Species and Degradation Routes of Organics in Peroxymonosulfate Activation by Co-Loaded Carbon. <i>Environmental Science & Technology</i> , 2021, 55, 16163-16174.	10.0	189
49	Role of oxygen vacancies and Mn sites in hierarchical $\text{Mn}_2\text{O}_3/\text{LaMnO}_3$ - δ perovskite composites for aqueous organic pollutants decontamination. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 546-554.	20.2	187
50	Effects of nitrogen-, boron-, and phosphorus-doping or codoping on metal-free graphene catalysis. <i>Catalysis Today</i> , 2015, 249, 184-191.	4.4	185
51	Photocatalytic conversion of lignocellulosic biomass to valuable products. <i>Green Chemistry</i> , 2019, 21, 4266-4289.	9.0	180
52	Production, properties, and catalytic applications of sludge derived biochar for environmental remediation. <i>Water Research</i> , 2020, 187, 116390.	11.3	180
53	Persulfate Oxidation of Sulfamethoxazole by Magnetic Iron-Char Composites via Nonradical Pathways: Fe(IV) Versus Surface-Mediated Electron Transfer. <i>Environmental Science & Technology</i> , 2021, 55, 10077-10086.	10.0	180
54	Carbocatalytic activation of persulfate for removal of antibiotics in water solutions. <i>Chemical Engineering Journal</i> , 2016, 288, 399-405.	12.7	168

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55	Manganese oxide integrated catalytic ceramic membrane for degradation of organic pollutants using sulfate radicals. <i>Water Research</i> , 2019, 167, 115110.	11.3	165
56	Surface-tailored nanodiamonds as excellent metal-free catalysts for organic oxidation. <i>Carbon</i> , 2016, 103, 404-411.	10.3	164
57	Magnetic Ni-Co alloy encapsulated N-doped carbon nanotubes for catalytic membrane degradation of emerging contaminants. <i>Chemical Engineering Journal</i> , 2019, 362, 251-261.	12.7	164
58	Insights into nitrogen and boron-co-doped graphene toward high-performance peroxymonosulfate activation: Maneuverable N-B bonding configurations and oxidation pathways. <i>Applied Catalysis B: Environmental</i> , 2019, 253, 419-432.	20.2	163
59	Magnetic nitrogen-doped nanocarbons for enhanced metal-free catalytic oxidation: Integrated experimental and theoretical investigations for mechanism and application. <i>Chemical Engineering Journal</i> , 2018, 354, 507-516.	12.7	162
60	Advanced oxidation processes for water disinfection: Features, mechanisms and prospects. <i>Chemical Engineering Journal</i> , 2021, 409, 128207.	12.7	162
61	Disordered Atomic Packing Structure of Metallic Glass: Toward Ultrafast Hydroxyl Radicals Production Rate and Strong Electron Transfer Ability in Catalytic Performance. <i>Advanced Functional Materials</i> , 2017, 27, 1702258.	14.9	160
62	Unveiling the Origins of Selective Oxidation in Single-Atom Catalysis via Co ^{N₄} -C Intensified Radical and Nonradical Pathways. <i>Environmental Science & Technology</i> , 2022, 56, 11635-11645.	10.0	159
63	CeO ₂ nanocrystal-modified layered MoS ₂ /g-C ₃ N ₄ as 0D/2D ternary composite for visible-light photocatalytic hydrogen evolution: Interfacial consecutive multi-step electron transfer and enhanced H ₂ O reactant adsorption. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118072.	20.2	158
64	Revisiting the Graphitized Nanodiamond-Mediated Activation of Peroxymonosulfate: Singlet Oxygenation versus Electron Transfer. <i>Environmental Science & Technology</i> , 2021, 55, 16078-16087.	10.0	155
65	Insight into the effect of lignocellulosic biomass source on the performance of biochar as persulfate activator for aqueous organic pollutants remediation: Epicarp and mesocarp of citrus peels as examples. <i>Journal of Hazardous Materials</i> , 2020, 399, 123043.	12.4	152
66	Catalytic membrane-based oxidation-filtration systems for organic wastewater purification: A review. <i>Journal of Hazardous Materials</i> , 2021, 414, 125478.	12.4	143
67	Nanocarbon-Based Catalytic Ozonation for Aqueous Oxidation: Engineering Defects for Active Sites and Tunable Reaction Pathways. <i>ACS Catalysis</i> , 2020, 10, 13383-13414.	11.2	141
68	Molecular Engineering toward Pyrrolic N-Rich M-N ₄ (M = Cr, Mn, Fe, Co, Cu) Single-Atom Sites for Enhanced Heterogeneous Fenton-Like Reaction. <i>Advanced Functional Materials</i> , 2021, 31, 2007877.	14.9	139
69	Oxygen Vacancies in Shape Controlled Cu ₂ O/Reduced Graphene Oxide/In ₂ O ₃ Hybrid for Promoted Photocatalytic Water Oxidation and Degradation of Environmental Pollutants. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 11678-11688.	8.0	137
70	Peroxydisulfate activation by positively polarized carbocatalyst for enhanced removal of aqueous organic pollutants. <i>Water Research</i> , 2019, 166, 115043.	11.3	137
71	Cobalt silicate hydroxide nanosheets in hierarchical hollow architecture with maximized cobalt active site for catalytic oxidation. <i>Chemical Engineering Journal</i> , 2019, 359, 79-87.	12.7	136
72	Boride-based electrocatalysts: Emerging candidates for water splitting. <i>Nano Research</i> , 2020, 13, 293-314.	10.4	133

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73	Boosting performance of lanthanide magnetism perovskite for advanced oxidation through lattice doping with catalytically inert element. Chemical Engineering Journal, 2019, 355, 721-730.	12.7	132
74	Rational Regulation of Co ^{II} -N ^{III} -C Coordination for High-Efficiency Generation of ¹ O ₂ toward Nearly 100% Selective Degradation of Organic Pollutants. Environmental Science & Technology, 2022, 56, 8833-8843.	10.0	130
75	Tailored synthesis of active reduced graphene oxides from waste graphite: Structural defects and pollutant-dependent reactive radicals in aqueous organics decontamination. Applied Catalysis B: Environmental, 2018, 229, 71-80.	20.2	128
76	Carbon-based single atom catalyst: Synthesis, characterization, DFT calculations. Chinese Chemical Letters, 2022, 33, 663-673.	9.0	126
77	A novel electrocatalytic filtration system with carbon nanotube supported nanoscale zerovalent copper toward ultrafast oxidation of organic pollutants. Water Research, 2021, 194, 116961.	11.3	123
78	Metal-free activation of persulfate by cubic mesoporous carbons for catalytic oxidation via radical and nonradical processes. Catalysis Today, 2018, 307, 140-146.	4.4	121
79	Facile synthesis of N-doped 3D graphene aerogel and its excellent performance in catalytic degradation of antibiotic contaminants in water. Carbon, 2019, 144, 781-790.	10.3	121
80	Interfacial-engineered cobalt@carbon hybrids for synergistically boosted evolution of sulfate radicals toward green oxidation. Applied Catalysis B: Environmental, 2019, 256, 117795.	20.2	117
81	Sustainable redox processes induced by peroxymonosulfate and metal doping on amorphous manganese dioxide for nonradical degradation of water contaminants. Applied Catalysis B: Environmental, 2021, 286, 119903.	20.2	115
82	Occurrence of both hydroxyl radical and surface oxidation pathways in N-doped layered nanocarbons for aqueous catalytic ozonation. Applied Catalysis B: Environmental, 2019, 254, 283-291.	20.2	109
83	Unzipping carbon nanotubes to nanoribbons for revealing the mechanism of nonradical oxidation by carbocatalysis. Applied Catalysis B: Environmental, 2020, 276, 119146.	20.2	108
84	Graphitic biochar catalysts from anaerobic digestion sludge for nonradical degradation of micropollutants and disinfection. Chemical Engineering Journal, 2020, 384, 123244.	12.7	105
85	UV-assisted construction of 3D hierarchical rGO/Bi ₂ MoO ₆ composites for enhanced photocatalytic water oxidation. Chemical Engineering Journal, 2017, 313, 1447-1453.	12.7	102
86	Structure-dependent catalysis of cuprous oxides in peroxymonosulfate activation via nonradical pathway with a high oxidation capacity. Journal of Hazardous Materials, 2020, 385, 121518.	12.4	101
87	Graphitic Carbon Nitride-Based Z-Scheme Structure for Photocatalytic CO ₂ Reduction. Energy & Fuels, 2021, 35, 7-24.	5.1	100
88	Nonradical oxidation in persulfate activation by graphene-like nanosheets (GNS): Differentiating the contributions of singlet oxygen (¹ O ₂) and sorption-dependent electron transfer. Chemical Engineering Journal, 2020, 393, 124725.	12.7	94
89	Role of electronic properties in partition of radical and nonradical processes of carbocatalysis toward peroxymonosulfate activation. Carbon, 2019, 153, 73-80.	10.3	93
90	Self-assembly of 3D MnO ₂ /N-doped graphene hybrid aerogel for catalytic degradation of water pollutants: Structure-dependent activity. Chemical Engineering Journal, 2019, 369, 1049-1058.	12.7	93

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91	Functional Carbon Nitride Materials in Photo-Fenton-Like Catalysis for Environmental Remediation. Advanced Functional Materials, 2022, 32, .	14.9	93
92	Nanostructured Co-Mn containing perovskites for degradation of pollutants: Insight into the activity and stability. Journal of Hazardous Materials, 2018, 349, 177-185.	12.4	92
93	Hydroxyl radical dominated elimination of plasticizers by peroxymonosulfate on metal-free boron: Kinetics and mechanisms. Water Research, 2020, 186, 116361.	11.3	92
94	Facet- and defect-dependent activity of perovskites in catalytic evolution of sulfate radicals. Applied Catalysis B: Environmental, 2020, 272, 118972.	20.2	91
95	Synergistic Adsorption and Oxidation of Ciprofloxacin by Biochar Derived from Metal-Enriched Phytoremediation Plants: Experimental and Computational Insights. ACS Applied Materials & Interfaces, 2020, 12, 53788-53798.	8.0	89
96	Efficient photocatalytic overall water splitting on metal-free 1D SWCNT/2D ultrathin C ₃ N ₄ heterojunctions via novel non-resonant plasmonic effect. Applied Catalysis B: Environmental, 2020, 278, 119312.	20.2	89
97	Photocatalytic activation of peroxymonosulfate by surface-tailored carbon quantum dots. Journal of Hazardous Materials, 2020, 395, 122695.	12.4	88
98	Metal-free catalytic ozonation on surface-engineered graphene: Microwave reduction and heteroatom doping. Chemical Engineering Journal, 2019, 355, 118-129.	12.7	86
99	sp ² /sp ³ Framework from Diamond Nanocrystals: A Key Bridge of Carbonaceous Structure to Carbocatalysis. ACS Catalysis, 2019, 9, 7494-7519.	11.2	86
100	Electrocatalysts for acidic oxygen evolution reaction: Achievements and perspectives. Nano Energy, 2020, 78, 105392.	16.0	86
101	Ultra-sustainable Fe ₇₈ Si ₉ B ₁₃ metallic glass as a catalyst for activation of persulfate on methylene blue degradation under UV-Vis light. Scientific Reports, 2016, 6, 38520.	3.3	84
102	Microplastics remediation in aqueous systems: Strategies and technologies. Water Research, 2021, 198, 117144.	11.3	84
103	Fine-Tuning Radical/Nonradical Pathways on Graphene by Porous Engineering and Doping Strategies. ACS Catalysis, 2021, 11, 4848-4861.	11.2	82
104	Interfacial CoAl ₂ O ₄ from ZIF-67@Î ³ -Al ₂ O ₃ pellets toward catalytic activation of peroxymonosulfate for metronidazole removal. Chemical Engineering Journal, 2020, 397, 125339.	12.7	82
105	Adsorption of cerium (III) by HKUST-1 metal-organic framework from aqueous solution. Journal of Colloid and Interface Science, 2019, 542, 421-428.	9.4	81
106	Photochemical degradation of phenol solutions on Co ₃ O ₄ nanorods with sulfate radicals. Catalysis Today, 2015, 258, 576-584.	4.4	80
107	Fine-Tuning Surface Properties of Perovskites via Nanocompositing with Inert Oxide toward Developing Superior Catalysts for Advanced Oxidation. Advanced Functional Materials, 2018, 28, 1804654.	14.9	80
108	New insight to the role of edges and heteroatoms in nanocarbons for oxygen reduction reaction. Nano Energy, 2019, 66, 104096.	16.0	79

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109	V2O5 nanodot-decorated laminar C3N4 for sustainable photodegradation of amoxicillin under solar light. <i>Applied Catalysis B: Environmental</i> , 2022, 303, 120903.	20.2	79
110	Catalysis of a Single Transition Metal Site for Water Oxidation: From Mononuclear Molecules to Single Atoms. <i>Advanced Materials</i> , 2020, 32, e1904037.	21.0	78
111	Coupling hydrothermal and photothermal single-atom catalysis toward excellent water splitting to hydrogen. <i>Applied Catalysis B: Environmental</i> , 2021, 283, 119660.	20.2	77
112	Cobalt porphyrins supported on carbon nanotubes as model catalysts of metal-N4/C sites for oxygen electrocatalysis. <i>Journal of Energy Chemistry</i> , 2021, 53, 77-81.	12.9	77
113	Magnetic biochar catalysts from anaerobic digested sludge: Production, application and environment impact. <i>Environment International</i> , 2019, 126, 302-308.	10.0	76
114	Novel polyoxometalate@g-C3N4 hybrid photocatalysts for degradation of dyes and phenolics. <i>Journal of Colloid and Interface Science</i> , 2015, 456, 15-21.	9.4	75
115	Degradation of Microplastics by a Thermal Fenton Reaction. <i>ACS ES&T Engineering</i> , 2022, 2, 110-120.	7.6	75
116	Kinetics and mechanism of synergistic adsorption and persulfate activation by N-doped porous carbon for antibiotics removals in single and binary solutions. <i>Journal of Hazardous Materials</i> , 2022, 423, 127083.	12.4	74
117	The mechanistic difference of 1T-2H MoS2 homojunctions in persulfates activation: Structure-dependent oxidation pathways. <i>Applied Catalysis B: Environmental</i> , 2021, 297, 120460.	20.2	73
118	Accelerating radical generation from peroxymonosulfate by confined variable Co species toward ciprofloxacin mineralization: ROS quantification and mechanisms elucidation. <i>Applied Catalysis B: Environmental</i> , 2022, 315, 121542.	20.2	72
119	Preparation of a p-n heterojunction BiFeO3@TiO2 photocatalyst with a core-shell structure for visible-light photocatalytic degradation. <i>Chinese Journal of Catalysis</i> , 2017, 38, 1052-1062.	14.0	70
120	Insights into the oxidation of organic contaminants by iron nanoparticles encapsulated within boron and nitrogen co-doped carbon nanoshell: Catalyzed Fenton-like reaction at natural pH. <i>Environment International</i> , 2019, 128, 77-88.	10.0	70
121	Metal-free graphene-carbon nitride hybrids for photodegradation of organic pollutants in water. <i>Catalysis Today</i> , 2015, 258, 668-675.	4.4	69
122	Postsynthesis Growth of CoOOH Nanostructure on SrCo _{0.6} Ti _{0.4} O ₃ Perovskite Surface for Enhanced Degradation of Aqueous Organic Contaminants. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15737-15748.	6.7	69
123	Landfill leachate treatment by persulphate related advanced oxidation technologies. <i>Journal of Hazardous Materials</i> , 2021, 418, 126355.	12.4	69
124	Degradation of aniline by electrochemical activation of peroxydisulfate at MWCNT cathode: The proofed concept of nonradical oxidation process. <i>Chemosphere</i> , 2018, 206, 432-438.	8.2	68
125	Selective formation of reactive oxygen species in peroxymonosulfate activation by metal-organic framework-derived membranes: A defect engineering-dependent study. <i>Applied Catalysis B: Environmental</i> , 2022, 312, 121419.	20.2	68
126	Efficient removal of organic and bacterial pollutants by Ag-La _{0.8} Ca _{0.2} Fe _{0.94} O _{3-δ} perovskite via catalytic peroxymonosulfate activation. <i>Journal of Hazardous Materials</i> , 2018, 356, 53-60.	12.4	67

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127	Origins of boron catalysis in peroxymonosulfate activation and advanced oxidation. Journal of Materials Chemistry A, 2019, 7, 23904-23913.	10.3	67
128	Biomass-derived functional porous carbons for adsorption and catalytic degradation of binary micropollutants in water. Journal of Hazardous Materials, 2020, 389, 121881.	12.4	67
129	Fe containing template derived atomic Fe ⁴⁺ to boost Fenton-like reaction and charge migration analysis on highly active Fe ⁴⁺ sites. Journal of Materials Chemistry A, 2021, 9, 14793-14805.	10.3	66
130	Synergy of nitrogen doping and structural defects on hierarchically porous carbons toward catalytic oxidation via a non-radical pathway. Carbon, 2019, 155, 268-278.	10.3	65
131	Edge-Rich Bicrystalline 1T/2H-MoS ₂ Cocatalyst-Decorated {110} Terminated CeO ₂ Nanorods for Photocatalytic Hydrogen Evolution. ACS Applied Materials & Interfaces, 2021, 13, 35818-35827.	8.0	65
132	Quasi-MOF derivative-based electrode for efficient electro-Fenton oxidation. Journal of Hazardous Materials, 2021, 401, 123423.	12.4	63
133	Nitrogen-doped carbon nanotubes enhanced Fenton chemistry: Role of near-free iron(III) for sustainable iron(III)/iron(II) cycles. Water Research, 2022, 210, 117984.	11.3	63
134	Size-Tailored Porous Spheres of Manganese Oxides for Catalytic Oxidation via Peroxymonosulfate Activation. Journal of Physical Chemistry C, 2016, 120, 16871-16878.	3.1	62
135	Peroxymonosulfate activation by Fe ₃ O ₄ -MnO ₂ /CNT nanohybrid electroactive filter towards ultrafast micropollutants decontamination: Performance and mechanism. Journal of Hazardous Materials, 2022, 423, 127111.	12.4	62
136	Chemical activation of nitrogen and sulfur co-doped graphene as defect-rich carbocatalyst for electrochemical water splitting. Carbon, 2019, 148, 540-549.	10.3	61
137	Nanostructured manganese oxides: natural/artificial formation and their induced catalysis for wastewater remediation. Environmental Science: Nano, 2020, 7, 368-396.	4.3	61
138	Co/N co-doped carbonized wood sponge with 3D porous framework for efficient peroxymonosulfate activation: Performance and internal mechanism. Journal of Hazardous Materials, 2022, 421, 126735.	12.4	61
139	Criteria of active sites in nonradical persulfate activation process from integrated experimental and theoretical investigations: boron-nitrogen-co-doped nanocarbon-mediated peroxydisulfate activation as an example. Environmental Science: Nano, 2020, 7, 1899-1911.	4.3	60
140	Superstructures with Atomic-Level Arranged Perovskite and Oxide Layers for Advanced Oxidation with an Enhanced Non-Free Radical Pathway. ACS Sustainable Chemistry and Engineering, 2022, 10, 1899-1909.	6.7	59
141	Crystal transformation of 2D tungstic acid H ₂ WO ₄ to WO ₃ for enhanced photocatalytic water oxidation. Journal of Colloid and Interface Science, 2018, 514, 576-583.	9.4	58
142	Piezoelectric activation of peroxymonosulfate by MoS ₂ nanoflowers for the enhanced degradation of aqueous organic pollutants. Environmental Science: Nano, 2021, 8, 784-794.	4.3	57
143	Bismuth-based complex oxides for photocatalytic applications in environmental remediation and water splitting: A review. Science of the Total Environment, 2022, 804, 150215.	8.0	57
144	Enzyme-mimicking single-atom FeN ₄ sites for enhanced photo-Fenton-like reactions. Applied Catalysis B: Environmental, 2022, 310, 121327.	20.2	57

#	ARTICLE	IF	CITATIONS
145	Carbon dots based photocatalysis for environmental applications. Journal of Environmental Chemical Engineering, 2022, 10, 107336.	6.7	55
146	Catalytic degradation of antibiotics by metal-free catalysis over nitrogen-doped graphene. Catalysis Today, 2020, 357, 341-349.	4.4	54
147	High-performance porous graphene from synergetic nitrogen doping and physical activation for advanced nonradical oxidation. Journal of Hazardous Materials, 2020, 381, 121010.	12.4	54
148	Facile Synthesis of High-Performance Nitrogen-Doped Hierarchically Porous Carbon for Catalytic Oxidation. ACS Sustainable Chemistry and Engineering, 2020, 8, 4236-4243.	6.7	52
149	Improving the Structure Stability of $\text{LiNi}_{0.8}\text{Co}_{0.15}\text{Al}_{0.05}\text{O}_2$ by Double Modification of Tantalum Surface Coating and Doping. ACS Applied Energy Materials, 2021, 4, 8641-8652.	5.1	52
150	Crystallinity and valence states of manganese oxides in Fenton-like polymerization of phenolic pollutants for carbon recycling against degradation. Applied Catalysis B: Environmental, 2022, 315, 121593.	20.2	52
151	Mechanistic Investigations of the Pyridinic N-Co Structures in Co Embedded N-Doped Carbon Nanotubes for Catalytic Ozonation. ACS ES&T Engineering, 2021, 1, 32-45.	7.6	50
152	Advances of piezoelectric nanomaterials for applications in advanced oxidation technologies. Current Opinion in Chemical Engineering, 2021, 33, 100693.	7.8	49
153	Biomass-derived pyrolytic carbons accelerated Fe(III)/Fe(II) redox cycle for persulfate activation: Pyrolysis temperature-dependend performance and mechanisms. Applied Catalysis B: Environmental, 2021, 297, 120446.	20.2	48
154	Enhanced light-driven water splitting by fast electron transfer in 2D/2D reduced graphene oxide/tungsten trioxide heterojunction with preferential facets. Journal of Colloid and Interface Science, 2019, 555, 413-422.	9.4	47
155	Engineered $\text{Co}_2\text{AlO}_4/\text{CoAl}_2\text{O}_4/\text{Al}_2\text{O}_3$ monolithic catalysts for peroxymonosulfate activation: $\text{Co}^{3+}/\text{Co}^{2+}$ and ODefect/O Lattice ratios dependence and mechanism. Chemical Engineering Journal, 2021, 409, 128162.	12.7	47
156	Three-Dimensional BiOI/BiOX (X = Cl or Br) Nanohybrids for Enhanced Visible-Light Photocatalytic Activity. Nanomaterials, 2017, 7, 64.	4.1	44
157	S-scheme photocatalysis induced by ZnIn ₂ S ₄ nanoribbons-anchored hierarchical CeO ₂ hollow spheres for boosted hydrogen evolution. Journal of Colloid and Interface Science, 2022, 620, 253-262.	9.4	44
158	Nickel in hierarchically structured nitrogen-doped graphene for robust and promoted degradation of antibiotics. Journal of Cleaner Production, 2019, 218, 202-211.	9.3	43
159	Municipal solid waste derived biochars for wastewater treatment: Production, properties and applications. Resources, Conservation and Recycling, 2022, 177, 106003.	10.8	43
160	High-performance photocatalytic decomposition of PFOA by BiOX/TiO ₂ heterojunctions: Self-induced inner electric fields and band alignment. Journal of Hazardous Materials, 2022, 430, 128195.	12.4	43
161	Emerging microplastics in the environment: Properties, distributions, and impacts. Chemosphere, 2022, 297, 134118.	8.2	43
162	New insight to piezocatalytic peroxymonosulfate activation: The critical role of dissolved oxygen in mediating radical and nonradical pathways. Applied Catalysis B: Environmental, 2022, 315, 121584.	20.2	43

#	ARTICLE	IF	CITATIONS
163	Graphitic nitride-catalyzed advanced oxidation processes (AOPs) for landfill leachate treatment: A mini review. <i>Chemical Engineering Research and Design</i> , 2020, 139, 230-240.	5.6	42
164	Catalytic oxidation of sulfachloropyridazine by MnO ₂ : Effects of crystalline phase and peroxide oxidants. <i>Chemosphere</i> , 2021, 267, 129287.	8.2	42
165	Enhanced removals of micropollutants in binary organic systems by biomass derived porous carbon/peroxymonosulfate. <i>Journal of Hazardous Materials</i> , 2021, 408, 124459.	12.4	41
166	Active sites decoration on sewage sludge-red mud complex biochar for persulfate activation to degrade sulfanilamide. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 1983-1998.	9.4	41
167	Biochar cathode: Reinforcing electro-Fenton pathway against four-electron reduction by controlled carbonization and surface chemistry. <i>Science of the Total Environment</i> , 2021, 754, 142136.	8.0	40
168	Enhanced CO ₂ Adsorption and Selectivity of CO ₂ /N ₂ on Amino-MIL-53(Al) Synthesized by Polar Co-solvents. <i>Energy & Fuels</i> , 2018, 32, 4502-4510.	5.1	39
169	Graphitic Carbon Nitride Microtubes for Efficient Photocatalytic Overall Water Splitting: The Morphology Derived Electrical Field Enhancement. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 14386-14396.	6.7	39
170	Analysis of mRNA-lncRNA and mRNA-lncRNA-pathway co-expression networks based on WGCNA in developing pediatric sepsis. <i>Bioengineered</i> , 2021, 12, 1457-1470.	3.2	39
171	Zn phthalocyanine/carbon nitride heterojunction for visible light photoelectrocatalytic conversion of CO ₂ to methanol. <i>Journal of Catalysis</i> , 2019, 371, 214-223.	6.2	38
172	Regulation of energetic hot carriers on Pt/TiO ₂ with thermal energy for photothermal catalysis. <i>Applied Catalysis B: Environmental</i> , 2022, 309, 121263.	20.2	38
173	Selective adsorption of rare earth ions from aqueous solution on metal-organic framework HKUST-1. <i>Chemical Engineering Journal Advances</i> , 2020, 1, 100009.	5.2	36
174	Mechanical agitation accelerated ultrasonication for wastewater treatment: Sustainable production of hydroxyl radicals. <i>Water Research</i> , 2021, 198, 117124.	11.3	36
175	Carbon nitride-based Z-scheme heterojunctions for solar-driven advanced oxidation processes. <i>Journal of Hazardous Materials</i> , 2022, 434, 128866.	12.4	36
176	Shape-controlled Co ₃ O ₄ catalysts for advanced oxidation of phenolic contaminants in aqueous solutions. <i>Separation and Purification Technology</i> , 2017, 186, 213-217.	7.9	35
177	Functional carbon nitride materials for water oxidation: from heteroatom doping to interface engineering. <i>Nanoscale</i> , 2020, 12, 6937-6952.	5.6	34
178	Roles of Catalyst Structure and Gas Surface Reaction in the Generation of Hydroxyl Radicals for Photocatalytic Oxidation. <i>ACS Catalysis</i> , 2022, 12, 2770-2780.	11.2	34
179	S-scheme photocatalysis induced by ultrathin TiO ₂ (B) nanosheets-anchored hierarchical In ₂ S ₃ spheres for boosted photocatalytic activity. <i>Composites Part B: Engineering</i> , 2022, 242, 110082.	12.0	34
180	Carbocatalytic ozonation toward advanced water purification. <i>Journal of Materials Chemistry A</i> , 2021, 9, 18994-19024.	10.3	33

#	ARTICLE	IF	CITATIONS
181	Impacts and mitigation measures of plastic waste: A critical review. <i>Environmental Impact Assessment Review</i> , 2021, 90, 106642.	9.2	32
182	Insights into the role of dual reaction sites for single Ni atom Fenton-like catalyst towards degradation of various organic contaminants. <i>Journal of Hazardous Materials</i> , 2022, 430, 128463.	12.4	32
183	Iron-doped cuprous oxides toward accelerated nonradical oxidation: Doping induced controlled facet transformation and optimized electronic structure. <i>Chemical Engineering Journal</i> , 2021, 407, 127172.	12.7	30
184	A Machine Learning Model for Accurate Prediction of Sepsis in ICU Patients. <i>Frontiers in Public Health</i> , 2021, 9, 754348.	2.7	30
185	Synchronous removal of emulsions and soluble organic contaminants via a microalgae-based membrane system: performance and mechanisms. <i>Water Research</i> , 2021, 206, 117741.	11.3	30
186	Visible-light-responsive Cl/S co-doped carbon nitride nanotubes for photocatalytic denitrification: A new reaction pathway dominated by photo-electrons. <i>Applied Catalysis B: Environmental</i> , 2022, 305, 121018.	20.2	30
187	Catalytic carbon and hydrogen cycles in plastics chemistry. <i>Chem Catalysis</i> , 2022, 2, 724-761.	6.1	30
188	Sludge-derived biochar toward sustainable Peroxymonosulfate Activation: Regulation of active sites and synergistic production of reaction oxygen species. <i>Chemical Engineering Journal</i> , 2022, 440, 135897.	12.7	30
189	The duet of surface and radical-based carbocatalysis for oxidative destructions of aqueous contaminants over built-in nanotubes of graphite. <i>Journal of Hazardous Materials</i> , 2020, 384, 121486.	12.4	29
190	Synergy of carbocatalytic and heat activation of persulfate for evolution of reactive radicals toward metal-free oxidation. <i>Catalysis Today</i> , 2020, 355, 319-324.	4.4	28
191	Synergy of NiO quantum dots and temperature on enhanced photocatalytic and thermophoto hydrogen evolution. <i>Chemical Engineering Journal</i> , 2020, 390, 124634.	12.7	27
192	Manganese-Based Micro/Nanomotors: Synthesis, Motion, and Applications. <i>Small</i> , 2021, 17, e2100927.	10.0	27
193	Amino-functionalized NH ₂ -MIL-125(Ti)-decorated hierarchical flowerlike ZnIn ₂ S ₄ for boosted visible-light photocatalytic degradation. <i>Environmental Research</i> , 2022, 204, 112368.	7.5	27
194	Synthesis of nitrogen and sulfur doped graphene on graphite foam for electro-catalytic phenol degradation and water splitting. <i>Journal of Colloid and Interface Science</i> , 2021, 583, 139-148.	9.4	26
195	Boron carbide boosted Fenton-like oxidation: A novel Fe(III)/Fe(II) circulation. <i>Green Energy and Environment</i> , 2020, 5, 414-422.	8.7	24
196	Ultrafine copper nanoclusters and single sites for Fenton-like reactions with high atom utilities. <i>Environmental Science: Nano</i> , 2020, 7, 2595-2606.	4.3	24
197	Three-dimensional nitrogen-doped graphene oxide beads for catalytic degradation of aqueous pollutants. <i>Chemical Engineering Journal</i> , 2022, 446, 137042.	12.7	24
198	Temperature-Induced Variations in Photocatalyst Properties and Photocatalytic Hydrogen Evolution: Differences in UV, Visible, and Infrared Radiation. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 7277-7285.	6.7	23

#	ARTICLE	IF	CITATIONS
199	Fast and Long-Lasting Iron(III) Reduction by Boron Toward Green and Accelerated Fenton Chemistry. <i>Angewandte Chemie</i> , 2020, 132, 16660-16669.	2.0	22
200	Facile preparation of hydrophilic In ₂ O ₃ nanospheres and rods with improved performances for photocatalytic degradation of PFOA. <i>Environmental Science: Nano</i> , 2021, 8, 1010-1018.	4.3	22
201	Selective production of singlet oxygen from zinc-etching hierarchically porous biochar for sulfamethoxazole degradation. <i>Environmental Pollution</i> , 2021, 290, 117991.	7.5	22
202	Decorated nickel phosphide nanoparticles with nitrogen and phosphorus co-doped porous carbon for enhanced electrochemical water splitting. <i>Journal of Colloid and Interface Science</i> , 2020, 567, 393-401.	9.4	21
203	Visible-light activation of persulfate ions by Z-scheme perylene diimide/MIL-101(Cr) heterojunction photocatalyst towards efficient degradation of iohexol. <i>Chemical Engineering Journal</i> , 2022, 435, 134947.	12.7	21
204	Mechanistic investigations of N-doped graphene/2H(1T)-MoS ₂ for Li/K-ions batteries. <i>Nano Energy</i> , 2020, 78, 105352.	16.0	20
205	Active sites and reaction mechanism for N-doped carbocatalysis of phenol removal. <i>Green Energy and Environment</i> , 2020, 5, 444-452.	8.7	20
206	Aerobic oxidation of 5-hydroxymethylfurfural into 2,5-diformylfuran using manganese dioxide with different crystal structures: A comparative study. <i>Journal of Colloid and Interface Science</i> , 2021, 592, 416-429.	9.4	19
207	Recent advances in electrochemical removal and recovery of phosphorus from water: A review. , 2022, 1, 10-20.		19
208	FeOCl Nanoparticles Loaded onto Oxygen-Enriched Carbon Nanotubes and Nickel-Foam-Based Cathodes for the Electro-Fenton Degradation of Pollutants. <i>ACS Applied Nano Materials</i> , 2022, 5, 12095-12106.	5.0	19
209	Facile fabrication of 3D ferrous ion crosslinked graphene oxide hydrogel membranes for excellent water purification. <i>Environmental Science: Nano</i> , 2019, 6, 3060-3071.	4.3	18
210	Highly dispersive Ru confined in porous ultrathin g-C ₃ N ₄ nanosheets as an efficient peroxymonosulfate activator for removal of organic pollutants. <i>Journal of Hazardous Materials</i> , 2022, 435, 128939.	12.4	18
211	Postsynthesis Oxygen Nonstoichiometric Regulation: A New Strategy for Performance Enhancement of Perovskites in Advanced Oxidation. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 99-109.	3.7	17
212	Simultaneous separation of multiphase emulsion mixture and catalytic degradation of BPA via microalgae residue membranes. <i>Chemical Engineering Journal</i> , 2020, 393, 124750.	12.7	17
213	Intrinsic Mechanisms of Morphological Engineering and Carbon Doping for Improved Photocatalysis of 2D/2D Carbon Nitride Van Der Waals Heterojunction. <i>Energy and Environmental Materials</i> , 2023, 6, .	12.8	17
214	Comment on "Activation of Persulfate by Graphitized Nanodiamonds for Removal of Organic Compounds". <i>Environmental Science & Technology</i> , 2017, 51, 5351-5352.	10.0	16
215	Novel applications of perovskite oxide via catalytic peroxymonosulfate advanced oxidation in aqueous systems for trace L-cysteine detection. <i>Journal of Colloid and Interface Science</i> , 2019, 545, 311-316.	9.4	16
216	Rational design of Spirulina residue-derived graphene oxide as an efficient metal-free catalyst for sulfathiazole removal. <i>Separation and Purification Technology</i> , 2022, 290, 120862.	7.9	16

#	ARTICLE	IF	CITATIONS
217	Challenges in radical/nonradical-based advanced oxidation processes for carbon recycling. <i>Chem Catalysis</i> , 2022, 2, 1858-1869.	6.1	16
218	Clinical outcomes and safety of polymyxin B in the treatment of carbapenem-resistant Gram-negative bacterial infections: a real-world multicenter study. <i>Journal of Translational Medicine</i> , 2021, 19, 431.	4.4	15
219	Activation of peroxymonosulfate by natural pyrite for efficient degradation of V(IV)-citrate complex in groundwater. <i>Journal of Colloid and Interface Science</i> , 2022, 617, 683-693.	9.4	14
220	Peroxymonosulfate oxidation via paralleled nonradical pathways over iron and nitrogen doped porous carbons. <i>Science of the Total Environment</i> , 2022, 836, 155670.	8.0	14
221	Morphology-dependent photocatalysis of graphitic carbon nitride for sustainable remediation of aqueous pollutants: A mini review. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107438.	6.7	13
222	Cobalt-based coordination polymer-derived hexagonal porous cobalt oxide nanoplate as an enhanced catalyst for hydrogen generation from hydrolysis of borohydride. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 31952-31962.	7.1	12
223	van der Waals type II carbon nitride homojunctions for visible light photocatalytic hydrogen evolution. <i>Nano Research</i> , 2023, 16, 5864-5872.	10.4	12
224	Carbon nitride-based Z-scheme photocatalysts for non-sacrificial overall water splitting. <i>Materials Today Energy</i> , 2022, 23, 100915.	4.7	12
225	Converting waste plastics into construction applications: A business perspective. <i>Environmental Impact Assessment Review</i> , 2022, 96, 106814.	9.2	12
226	Synthesis of Magnetic Carbon Supported Manganese Catalysts for Phenol Oxidation by Activation of Peroxymonosulfate. <i>Catalysts</i> , 2017, 7, 3.	3.5	10
227	Temperature-dependent evolution of hydroxyl radicals from peroxymonosulfate activation over nitrogen-modified carbon nanotubes. <i>Sustainable Materials and Technologies</i> , 2018, 18, e00082.	3.3	10
228	Size-controlled nanoscale octahedral HKUST-1 as an enhanced catalyst for oxidative conversion of vanillic alcohol: The mediating effect of polyvinylpyrrolidone. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 631, 127639.	4.7	10
229	Thermal activation of persulfates for organic wastewater purification: Heating modes, mechanism and influencing factors. <i>Chemical Engineering Journal</i> , 2022, 450, 137976.	12.7	9
230	Sustainable Catalytic Processes Driven by Graphene-Based Materials. <i>Processes</i> , 2020, 8, 672.	2.8	8
231	All-solid-state Z-scheme heterostructures of 1T/2H-MoS ₂ nanosheets coupled V-doped hierarchical TiO ₂ spheres for enhanced photocatalytic activity. <i>Materials Today Energy</i> , 2022, 23, 100901.	4.7	8
232	Enhanced solar light driven activity of p-n heterojunction for water oxidation induced by deposition of Cu ₂ O on Bi ₂ O ₃ microplates. <i>Sustainable Materials and Technologies</i> , 2019, 19, e00088.	3.3	6
233	Prussian blue analogues as heterogeneous catalysts for hydrogen generation from hydrolysis of sodium borohydride: a comparative study. <i>Chemical Papers</i> , 2021, 75, 779-788.	2.2	4
234	Predictors of Mortality in Critically Ill Patients With Antineutrophil Cytoplasmic Antibody-Associated Vasculitis. <i>Frontiers in Medicine</i> , 2021, 8, 762004.	2.6	4

#	ARTICLE	IF	CITATIONS
235	Nano-sized FeVO ₄ ·1.1H ₂ O and FeVO ₄ for peroxymonosulfate activation towards enhanced photocatalytic activity. Journal of Environmental Chemical Engineering, 2022, 10, 107199.	6.7	3
236	Recent advances in molybdenum disulfide-based advanced oxidation processes. , 2022, , .		3
237	Heterogeneous Catalysis for Environmental Remediation. Catalysts, 2017, 7, 236.	3.5	2
238	Frontispiece: Fast and Long-Lasting Iron(III) Reduction by Boron Toward Green and Accelerated Fenton Chemistry. Angewandte Chemie - International Edition, 2020, 59, .	13.8	2
239	Unzipping MWCNTs for controlled edge- and heteroatom-defects in revealing their roles in gas-phase oxidative dehydrogenation of ethanol to acetaldehyde. Chemical Engineering Journal, 2022, 446, 137150.	12.7	2
240	Oxidation of amines and their derivatives with persulfate without activation: Impact of mineral oxides and stoichiometric efficiency. Chemical Engineering Journal, 2021, 426, 131930.	12.7	1
241	Catalysis: Sulfur and Nitrogen Co-Doped Graphene for Metal-Free Catalytic Oxidation Reactions (Small 25/2015). Small, 2015, 11, 3035-3035.	10.0	0
242	Rational Design Of Spirulina Residue-Derived Graphene Oxide As An Efficient Metal-Free Catalyst For Sulfathiazole Removal. SSRN Electronic Journal, 0, , .	0.4	0
243	Biorenewable Nanocomposite Materials for Wastewater Treatment. ACS Symposium Series, 0, , 281-311.	0.5	0