

Lizhi Zhang

List of Publications by Year in descending order

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207
papers

27,972
citations

4658

85
h-index

5539

163
g-index

208
all docs

208
docs citations

208
times ranked

18041
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient degradation of atrazine through in-situ anchoring NiCo ₂ O ₄ nanosheets on biochar to activate sulfite under neutral condition. <i>Journal of Environmental Sciences</i> , 2023, 126, 81-94.	6.1	9
2	Efficient removal of PFOA with an In ₂ O ₃ /persulfate system under solar light via the combined process of surface radicals and photogenerated holes. <i>Journal of Hazardous Materials</i> , 2022, 423, 127176.	12.4	26
3	Rare earth La single atoms supported MoO _{3-x} for efficient photocatalytic nitrogen fixation. <i>Applied Catalysis B: Environmental</i> , 2022, 301, 120766.	20.2	76
4	Vacancy-Rich and Porous NiFe-Layered Double Hydroxide Ultrathin Nanosheets for Efficient Photocatalytic NO Oxidation and Storage. <i>Environmental Science & Technology</i> , 2022, 56, 1771-1779.	10.0	50
5	Manipulating Excitonic Effects in Layered Bismuth Oxyhalides for Photocatalysis. <i>ACS ES&T Engineering</i> , 2022, 2, 957-974.	7.6	36
6	Oxalate promoted iron dissolution of hematite <i>via</i> proton coupled electron transfer. <i>Environmental Science: Nano</i> , 2022, 9, 1770-1779.	4.3	7
7	Oxygen and Chlorine Dual Vacancies Enable Photocatalytic O ₂ Dissociation into Monatomic Reactive Oxygen on BiOCl for Refractory Aromatic Pollutant Removal. <i>Environmental Science & Technology</i> , 2022, 56, 3587-3595.	10.0	79
8	Atomic-Layered Cu ₅ Nanoclusters on FeS ₂ with Dual Catalytic Sites for Efficient and Selective H ₂ O ₂ Activation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	75
9	Neighboring sp-Hybridized Carbon Participated Molecular Oxygen Activation on the Interface of Sub-nanocluster CuO/Graphdiyne. <i>Journal of the American Chemical Society</i> , 2022, 144, 4942-4951.	13.7	67
10	Strained Zero-Valent Iron for Highly Efficient Heavy Metal Removal. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	42
11	Atomic-Layered Cu ₅ Nanoclusters on FeS ₂ with Dual Catalytic Sites for Efficient and Selective H ₂ O ₂ Activation. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	13
12	Rapid ultrasensitive detection of hexavalent chromium in soil and groundwater by a microProbing imaging platform. <i>Journal of Hazardous Materials</i> , 2022, 433, 128809.	12.4	7
13	SO ₂ -enhanced nitrate photolysis on TiO ₂ minerals: A vital role of photochemically reactive holes. <i>Applied Catalysis B: Environmental</i> , 2022, 308, 121217.	20.2	9
14	A controllable reduction-oxidation coupling process for chloronitrobenzenes remediation: From lab to field trial. <i>Water Research</i> , 2022, 218, 118453.	11.3	11
15	Membrane disruption boosts iron overload and endogenous oxidative stress to inactivate Escherichia coli by nanoscale zero-valent iron. <i>Journal of Hazardous Materials</i> , 2022, 435, 128951.	12.4	7
16	Hydroxylamine enables rapid heterogeneous-homogeneous coupled Fenton sulfamethazine degradation on ferric phosphate. <i>Applied Catalysis B: Environmental</i> , 2022, 312, 121410.	20.2	11
17	Fe ₂ O ₄ •2H ₂ O enables sustainable conversion of hydrogen peroxide to hydroxyl radical for promoted mineralization and detoxification of sulfadimidine. <i>Journal of Hazardous Materials</i> , 2022, 436, 129049.	12.4	12
18	O ₂ activation and IO ₂ generation over phosphate modified BiOCl for efficient photodegradation of organic pollutants. <i>Applied Catalysis B: Environmental</i> , 2022, 314, 121520.	20.2	26

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19	Ultrahigh Peroxymonosulfate Utilization Efficiency over CuO Nanosheets via Heterogeneous Cu(III) Formation and Preferential Electron Transfer during Degradation of Phenols. <i>Environmental Science & Technology</i> , 2022, 56, 8984-8992.	10.0	95
20	Zero-valent iron coupled calcium hydroxide: A highly efficient strategy for removal and magnetic separation of concentrated fluoride from acidic wastewater. <i>Science of the Total Environment</i> , 2022, 838, 156336.	8.0	4
21	An Electrochemical Strategy for Simultaneous Heavy Metal Complexes Wastewater Treatment and Resource Recovery. <i>Environmental Science & Technology</i> , 2022, 56, 10945-10953.	10.0	33
22	Ascorbate guided conversion of hydrogen peroxide to hydroxyl radical on goethite. <i>Applied Catalysis B: Environmental</i> , 2021, 282, 119558.	20.2	48
23	Dual-function surface hydrogen bonds enable robust O ₂ activation for deep photocatalytic toluene oxidation. <i>Catalysis Science and Technology</i> , 2021, 11, 319-331.	4.1	20
24	Environmental photochemistry in hematite-oxalate system: Fe(III)-Oxalate complex photolysis and ROS generation. <i>Applied Catalysis B: Environmental</i> , 2021, 283, 119645.	20.2	34
25	Azo-Enhanced Raman Scattering for Enhancing the Sensitivity and Tuning the Frequency of Molecular Vibrations. <i>ACS Central Science</i> , 2021, 7, 768-780.	11.3	20
26	Highly efficient and selective photoreduction of CO ₂ to CO with nanosheet g-C ₃ N ₄ as compared with its bulk counterpart. <i>Environmental Research</i> , 2021, 195, 110880.	7.5	30
27	Diffusion-Controlled Z-Scheme-Steered Charge Separation across PDI/BiOI Heterointerface for Ultraviolet, Visible, and Infrared Light-Driven Photocatalysis. <i>Advanced Functional Materials</i> , 2021, 31, 2102315.	14.9	73
28	Kirkendall Effect Boosts Phosphorylated nZVI for Efficient Heavy Metal Wastewater Treatment. <i>Angewandte Chemie</i> , 2021, 133, 17252-17259.	2.0	44
29	Kirkendall Effect Boosts Phosphorylated nZVI for Efficient Heavy Metal Wastewater Treatment. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17115-17122.	13.8	95
30	Modulating Oxygen Reduction Behaviors on Nickel Single-Atom Catalysts to Probe the Electrochemiluminescence Mechanism at the Atomic Level. <i>Analytical Chemistry</i> , 2021, 93, 8663-8670.	6.5	48
31	Defect-Engineered Nanozyme-Linked Receptors. <i>Small</i> , 2021, 17, e2101907.	10.0	36
32	Simultaneous Manipulation of Bulk Excitons and Surface Defects for Ultrastable and Highly Selective CO ₂ Photoreduction. <i>Advanced Materials</i> , 2021, 33, e2100143.	21.0	151
33	Spin-State-Dependent Peroxymonosulfate Activation of Single-Atom M ^{II} N Moieties via a Radical-Free Pathway. <i>ACS Catalysis</i> , 2021, 11, 9569-9577.	11.2	192
34	Transformation of Atrazine to Hydroxyatrazine with Alkali-H ₂ O ₂ Treatment: An Efficient Dechlorination Strategy under Alkaline Conditions. <i>ACS ES&T Water</i> , 2021, 1, 1868-1877.	4.6	9
35	Oxygen vacancies promote sulfur species accumulation on TiO ₂ mineral particles. <i>Applied Catalysis B: Environmental</i> , 2021, 290, 120024.	20.2	25
36	Sulphur vacancy derived anaerobic hydroxyl radical generation at the pyrite-water interface: Pollutants removal and pyrite self-oxidation behavior. <i>Applied Catalysis B: Environmental</i> , 2021, 290, 120051.	20.2	36

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37	Structural dependent Cr(VI) adsorption and reduction of biochar: hydrochar versus pyrochar. <i>Science of the Total Environment</i> , 2021, 783, 147084.	8.0	67
38	Oxalate Modification Dramatically Promoted Cr(VI) Removal with Zero-Valent Iron. <i>ACS ES&T Water</i> , 2021, 1, 2109-2118.	4.6	47
39	New Strategies for Nitrogen Fixation and Pollution Control. <i>Chinese Journal of Chemistry</i> , 2021, 39, 3199-3210.	4.9	9
40	Adjacent single-atom irons boosting molecular oxygen activation on MnO ₂ . <i>Nature Communications</i> , 2021, 12, 5422.	12.8	114
41	Photocatalytic oxidative dehydrogenation of cyclohexane to cyclohexene over oxygen-deficient tungsten trioxide. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120549.	20.2	16
42	Van Der Waals gap-rich BiOCl atomic layers realizing efficient, pure-water CO ₂ -to-CO photocatalysis. <i>Nature Communications</i> , 2021, 12, 5923.	12.8	150
43	Plasmonic O ₂ dissociation and spillover expedite selective oxidation of primary C-H bonds. <i>Chemical Science</i> , 2021, 12, 15308-15317.	7.4	8
44	Fabrication and Excellent Antibacterial Activity of Well-defined CuO/Graphdiyne Nanostructure. <i>Chemical Research in Chinese Universities</i> , 2021, 37, 1341-1347.	2.6	11
45	Electrochemically self-doped WO ₃ /TiO ₂ nanotubes for photocatalytic degradation of volatile organic compounds. <i>Applied Catalysis B: Environmental</i> , 2020, 260, 118205.	20.2	142
46	A one-step acidification strategy for sewage sludge dewatering with oxalic acid. <i>Chemosphere</i> , 2020, 238, 124598.	8.2	32
47	Persulfate activation induced by ascorbic acid for efficient organic pollutants oxidation. <i>Chemical Engineering Journal</i> , 2020, 382, 122355.	12.7	52
48	Phosphate modification enables high efficiency and electron selectivity of nZVI toward Cr(VI) removal. <i>Applied Catalysis B: Environmental</i> , 2020, 263, 118364.	20.2	97
49	Simulated solar light driven Fe(III)/Fe(II) redox cycle for roxarsone degradation and simultaneous arsenate immobilization. <i>Journal of Hazardous Materials</i> , 2020, 394, 121635.	12.4	29
50	Ascorbic acid promoted magnetite Fenton degradation of alachlor: Mechanistic insights and kinetic modeling. <i>Applied Catalysis B: Environmental</i> , 2020, 267, 118383.	20.2	113
51	Simulated solar light driven roxarsone degradation and arsenic immobilization with hematite and oxalate. <i>Chemical Engineering Journal</i> , 2020, 384, 123254.	12.7	39
52	Amorphization enables highly efficient anaerobic thiamphenicol reduction by zero-valent iron. <i>Applied Catalysis B: Environmental</i> , 2020, 264, 118550.	20.2	41
53	Insight into the effect of bromine on facet-dependent surface oxygen vacancies construction and stabilization of Bi ₂ MoO ₆ for efficient photocatalytic NO removal. <i>Applied Catalysis B: Environmental</i> , 2020, 265, 118585.	20.2	96
54	Pyrite enables persulfate activation for efficient atrazine degradation. <i>Chemosphere</i> , 2020, 244, 125568.	8.2	60

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55	Rapid photochemical decomposition of perfluorooctanoic acid mediated by a comprehensive effect of nitrogen dioxide radicals and Fe ³⁺ /Fe ²⁺ redox cycle. <i>Journal of Hazardous Materials</i> , 2020, 388, 121730.	12.4	43
56	Solar-driven efficient methane catalytic oxidation over epitaxial ZnO/La _{0.8} Sr _{0.2} CoO ₃ heterojunctions. <i>Applied Catalysis B: Environmental</i> , 2020, 265, 118469.	20.2	44
57	Surface structure-dependent photocatalytic O ₂ activation for pollutant removal with bismuth oxyhalides. <i>Chemical Communications</i> , 2020, 56, 15282-15296.	4.1	35
58	Sulfur vacancy promoted peroxidase-like activity of magnetic greigite (Fe ₃ S ₄) for colorimetric detection of serum glucose. <i>Analytica Chimica Acta</i> , 2020, 1127, 246-255.	5.4	49
59	Smart pH-Regulated Switchable Nanoprobes for Photoelectrochemical Multiplex Detection of Antibiotic Resistance Genes. <i>Analytical Chemistry</i> , 2020, 92, 11476-11483.	6.5	27
60	Hydrogen Spillover to Oxygen Vacancy of TiO ₂ H ₂ /Fe: Breaking the Scaling Relationship of Ammonia Synthesis. <i>Journal of the American Chemical Society</i> , 2020, 142, 17403-17412.	13.7	91
61	Synthesis of deuterium-labeled DL-threo-thiamphenicol. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2020, 324, 1463-1467.	1.5	0
62	Surface hydrogen bond network spatially confined BiOCl oxygen vacancy for photocatalysis. <i>Science Bulletin</i> , 2020, 65, 1916-1923.	9.0	61
63	Visible light promoted Fe ₃ S ₄ Fenton oxidation of atrazine. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119229.	20.2	88
64	The surface hydroxyl and oxygen vacancy dependent Cr(VI) adsorption performance of BiOCl. <i>Environmental Science: Nano</i> , 2020, 7, 1454-1463.	4.3	30
65	Efficient Ammonia Electrosynthesis from Nitrate on Strained Ruthenium Nanoclusters. <i>Journal of the American Chemical Society</i> , 2020, 142, 7036-7046.	13.7	542
66	Atomic-Scale Tuning of Graphene/Cubic SiC Schottky Junction for Stable Low-Bias Photoelectrochemical Solar-to-Fuel Conversion. <i>ACS Nano</i> , 2020, 14, 4905-4915.	14.6	31
67	Well-defined CoPtOH as an electronic pump on Co-LDH nanocages for enhanced oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2020, 269, 118782.	20.2	38
68	Enhanced Cr(VI) removal of zero-valent iron with high proton conductive FeC ₂ O ₄ ·2H ₂ O shell. <i>Chemical Engineering Journal</i> , 2020, 389, 124414.	12.7	72
69	Dual-site activation enhanced photocatalytic removal of NO with Au/CeO ₂ . <i>Chemical Engineering Journal</i> , 2020, 386, 124047.	12.7	69
70	Elucidating the Nature of the Cu(I) Active Site in CuO/TiO ₂ for Excellent Low-Temperature CO Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 7091-7101.	8.0	51
71	Enhanced adsorption and photocatalytic degradation of perfluorooctanoic acid in water using iron (hydr)oxides/carbon sphere composite. <i>Chemical Engineering Journal</i> , 2020, 388, 124230.	12.7	60
72	Enhanced photocatalytic degradation of perfluorooctanoic acid using carbon-modified bismuth phosphate composite: Effectiveness, material synergy and roles of carbon. <i>Chemical Engineering Journal</i> , 2020, 395, 124991.	12.7	74

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73	Beyond the Thermal Equilibrium Limit of Ammonia Synthesis with Dual Temperature Zone Catalyst Powered by Solar Light. <i>CheM</i> , 2019, 5, 2702-2717.	11.7	91
74	Insights into the facet-dependent adsorption of phenylarsonic acid on hematite nanocrystals. <i>Environmental Science: Nano</i> , 2019, 6, 3280-3291.	4.3	19
75	Oxygen Vacancy Promoted O ₂ Activation over Perovskite Oxide for Low-Temperature CO Oxidation. <i>ACS Catalysis</i> , 2019, 9, 9751-9763.	11.2	296
76	Molecular-scale structures of uranyl surface complexes on hematite facets. <i>Environmental Science: Nano</i> , 2019, 6, 892-903.	4.3	19
77	Enhanced Cr(VI) immobilization on goethite derived from an extremely acidic environment. <i>Environmental Science: Nano</i> , 2019, 6, 2185-2194.	4.3	15
78	Liquid Nitrogen Activation of Zero-Valent Iron and Its Enhanced Cr(VI) Removal Performance. <i>Environmental Science & Technology</i> , 2019, 53, 8333-8341.	10.0	149
79	Photothermal reverse-water-gas-shift over Au/CeO ₂ with high yield and selectivity in CO ₂ conversion. <i>Catalysis Communications</i> , 2019, 129, 105724.	3.3	37
80	Highly efficient electrochemical conversion of CO ₂ and NaCl to CO and NaClO. <i>Green Chemistry</i> , 2019, 21, 3256-3262.	9.0	52
81	Anion (O, N, C, and S) vacancies promoted photocatalytic nitrogen fixation. <i>Green Chemistry</i> , 2019, 21, 2852-2867.	9.0	121
82	Bifunctional S, N-Codoped carbon dots-based novel electrochemiluminescent bioassay for ultrasensitive detection of atrazine using activated mesoporous biocarbon as enzyme nanocarriers. <i>Analytica Chimica Acta</i> , 2019, 1073, 45-53.	5.4	20
83	Interfacial Charging/Decharging Strategy for Efficient and Selective Aerobic NO Oxidation on Oxygen Vacancy. <i>Environmental Science & Technology</i> , 2019, 53, 6964-6971.	10.0	70
84	Oxygen Vacancies Promoted the Selective Photocatalytic Removal of NO with Blue TiO ₂ via Simultaneous Molecular Oxygen Activation and Photogenerated Hole Annihilation. <i>Environmental Science & Technology</i> , 2019, 53, 6444-6453.	10.0	215
85	Photochemical behavior of ferrihydrite-oxalate system: Interfacial reaction mechanism and charge transfer process. <i>Water Research</i> , 2019, 159, 10-19.	11.3	73
86	Fast transformation of roxarsone into toxic arsenic species with ferrous iron and tetrapolyphosphate. <i>Environmental Chemistry Letters</i> , 2019, 17, 1077-1084.	16.2	8
87	Dechlorination-Hydroxylation of Atrazine to Hydroxyatrazine with Thiosulfate: A Detoxification Strategy in Seconds. <i>Environmental Science & Technology</i> , 2019, 53, 3208-3216.	10.0	41
88	Robust and well-controlled TiO ₂ /Al ₂ O ₃ binary nanoarray-integrated ceramic honeycomb for efficient propane combustion. <i>CrystEngComm</i> , 2019, 21, 2727-2735.	2.6	5
89	Rapid Aerobic Inactivation and Facile Removal of <i>Escherichia coli</i> with Amorphous Zero-Valent Iron Microspheres: Indispensable Roles of Reactive Oxygen Species and Iron Corrosion Products. <i>Environmental Science & Technology</i> , 2019, 53, 3707-3717.	10.0	67
90	Protocatechuic acid promoted catalytic degradation of rhodamine B with Fe@Fe ₂ O ₃ core-shell nanowires by molecular oxygen activation mechanism. <i>Catalysis Today</i> , 2019, 335, 144-150.	4.4	17

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91	Hexavalent chromium removal by a new composite system of dissimilatory iron reduction bacteria <i>Aeromonas hydrophila</i> and nanoscale zero-valent iron. <i>Chemical Engineering Journal</i> , 2019, 362, 63-70.	12.7	60
92	Boosted photoelectrochemical immunosensing of metronidazole in tablet using coral-like g-C ₃ N ₄ nanoarchitectures. <i>Biosensors and Bioelectronics</i> , 2019, 123, 7-13.	10.1	35
93	Persistent free radicals in carbon-based materials on transformation of refractory organic contaminants (ROCs) in water: A critical review. <i>Water Research</i> , 2018, 137, 130-143.	11.3	255
94	Molecular O ₂ Activation over Cu(I)-Mediated C≡N Bond for Low-Temperature CO Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 17167-17174.	8.0	22
95	Visible light driven selective oxidation of amines to imines with BiOCl: Does oxygen vacancy concentration matter?. <i>Applied Catalysis B: Environmental</i> , 2018, 228, 87-96.	20.2	237
96	Disposable photoelectrochemical sensing strip for highly sensitive determination of perfluorooctane sulfonyl fluoride on functionalized screen-printed carbon electrode. <i>Talanta</i> , 2018, 181, 147-153.	5.5	28
97	Fenton oxidation of organic contaminants with aquifer sediment activated by ascorbic acid. <i>Chemical Engineering Journal</i> , 2018, 348, 255-262.	12.7	39
98	Surface Fe(II)/Fe(III) Cycle Promoted Ultra-Highly Sensitive Electrochemical Sensing of Arsenic(III) with Dumbbell-Like Au/Fe ₃ O ₄ Nanoparticles. <i>Analytical Chemistry</i> , 2018, 90, 4569-4577.	6.5	105
99	Durch Sauerstoffâ€¦Leerstellen vermittelte Photokatalyse mit BiOCl: ReaktivitÃ„t, SelektivitÃ„t und Ausblick. <i>Angewandte Chemie</i> , 2018, 130, 128-145.	2.0	59
100	Oxygen Vacancyâ€¦Mediated Photocatalysis of BiOCl: Reactivity, Selectivity, and Perspectives. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 122-138.	13.8	871
101	Mn ²⁺ promoted Cr(VI) reduction with oxalic acid: The indispensable role of In-situ generated Mn ³⁺ . <i>Journal of Hazardous Materials</i> , 2018, 343, 356-363.	12.4	57
102	Ni(II) induced aerobic ring opening degradation of atrazine with core-shell Fe@Fe ₂ O ₃ nanowires. <i>Chemical Engineering Journal</i> , 2018, 335, 720-727.	12.7	21
103	Energy-confined solar thermal ammonia synthesis with K/Ru/TiO ₂ -xH _x . <i>Applied Catalysis B: Environmental</i> , 2018, 224, 612-620.	20.2	122
104	Efficient light-driven CO ₂ hydrogenation on Ru/CeO ₂ catalysts. <i>Catalysis Science and Technology</i> , 2018, 8, 6503-6510.	4.1	18
105	Atomically manipulated proton transfer energizes water oxidation on silicon carbide photoanodes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24358-24366.	10.3	17
106	Visible Light Driven Organic Pollutants Degradation with Hydrothermally Carbonized Sewage Sludge and Oxalate Via Molecular Oxygen Activation. <i>Environmental Science & Technology</i> , 2018, 52, 12656-12666.	10.0	89
107	Molecular Insights into NO-Promoted Sulfate Formation on Model TiO ₂ Nanoparticles with Different Exposed Facets. <i>Environmental Science & Technology</i> , 2018, 52, 14110-14118.	10.0	19
108	Oxygen Vacancies Mediated Complete Visible Light NO Oxidation via Side-On Bridging Superoxide Radicals. <i>Environmental Science & Technology</i> , 2018, 52, 8659-8665.	10.0	149

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109	New opportunities for efficient N ₂ fixation by nanosheet photocatalysts. <i>Nanoscale</i> , 2018, 10, 15429-15435.	5.6	111
110	Facet-dependent contaminant removal properties of hematite nanocrystals and their environmental implications. <i>Environmental Science: Nano</i> , 2018, 5, 1790-1806.	4.3	93
111	High-Throughput Signal-On Photoelectrochemical Immunoassay of Lysozyme Based on Hole-Trapping Triggered by Disintegrating Bioconjugates of Dopamine-Grafted Silica Nanospheres. <i>ACS Sensors</i> , 2018, 3, 1480-1488.	7.8	31
112	Ascorbic acid induced atrazine degradation. <i>Journal of Hazardous Materials</i> , 2017, 327, 71-78.	12.4	47
113	Fe@Fe ₂ O ₃ promoted electrochemical mineralization of atrazine via a triazinon ring opening mechanism. <i>Water Research</i> , 2017, 112, 9-18.	11.3	84
114	New Reaction Pathway Induced by Plasmon for Selective Benzyl Alcohol Oxidation on BiOCl Possessing Oxygen Vacancies. <i>Journal of the American Chemical Society</i> , 2017, 139, 3513-3521.	13.7	693
115	Ascorbate-Promoted Surface Iron Cycle for Efficient Heterogeneous Fenton Alachlor Degradation with Hematite Nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 8751-8758.	8.0	120
116	Electrospun template directed molecularly imprinted nanofibers incorporated with BiOI nanoflake arrays as photoactive electrode for photoelectrochemical detection of triphenyl phosphate. <i>Biosensors and Bioelectronics</i> , 2017, 92, 61-67.	10.1	43
117	Oxygen Vacancy Associated Surface Fenton Chemistry: Surface Structure Dependent Hydroxyl Radicals Generation and Substrate Dependent Reactivity. <i>Environmental Science & Technology</i> , 2017, 51, 5685-5694.	10.0	387
118	Hydrothermal Carbon-Mediated Fenton-Like Reaction Mechanism in the Degradation of Alachlor: Direct Electron Transfer from Hydrothermal Carbon to Fe(III). <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17115-17124.	8.0	163
119	Phosphate Shifted Oxygen Reduction Pathway on Fe@Fe ₂ O ₃ Core-Shell Nanowires for Enhanced Reactive Oxygen Species Generation and Aerobic 4-Chlorophenol Degradation. <i>Environmental Science & Technology</i> , 2017, 51, 8101-8109.	10.0	143
120	Photocatalytic performance of different exposed crystal facets of BiOCl. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2017, 6, 48-56.	5.9	55
121	Hydroxylamine Promoted Goethite Surface Fenton Degradation of Organic Pollutants. <i>Environmental Science & Technology</i> , 2017, 51, 5118-5126.	10.0	370
122	Solar Water Splitting and Nitrogen Fixation with Layered Bismuth Oxyhalides. <i>Accounts of Chemical Research</i> , 2017, 50, 112-121.	15.6	554
123	Ascorbate Induced Facet Dependent Reductive Dissolution of Hematite Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2017, 121, 1113-1121.	3.1	60
124	In Situ Carbon Homogeneous Doping on Ultrathin Bismuth Molybdate: A Dual-Purpose Strategy for Efficient Molecular Oxygen Activation. <i>Advanced Functional Materials</i> , 2017, 27, 1703923.	14.9	136
125	Photochemistry of Hydrochar: Reactive Oxygen Species Generation and Sulfadimidine Degradation. <i>Environmental Science & Technology</i> , 2017, 51, 11278-11287.	10.0	208
126	Nitrogen dioxide radicals mediated mineralization of perfluorooctanoic acid in aqueous nitrate solution with UV irradiation. <i>Chemosphere</i> , 2017, 188, 367-374.	8.2	29

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127	Adsorption and reduction of roxarsone on magnetic greigite (Fe ₃ S ₄): Indispensable role of structural sulfide. <i>Chemical Engineering Journal</i> , 2017, 330, 1232-1239.	12.7	57
128	Sulfite promoted photochemical cleavage of s-triazine ring: The case study of atrazine. <i>Chemical Engineering Journal</i> , 2017, 330, 1075-1081.	12.7	24
129	Iron oxide shell mediated environmental remediation properties of nano zero-valent iron. <i>Environmental Science: Nano</i> , 2017, 4, 27-45.	4.3	219
130	Efficient removal of bromate with core-shell Fe@Fe ₂ O ₃ nanowires. <i>Chemical Engineering Journal</i> , 2017, 308, 880-888.	12.7	41
131	Enhanced aerobic degradation of 4-chlorophenol with iron-nickel nanoparticles. <i>Applied Surface Science</i> , 2017, 393, 316-324.	6.1	59
132	Copper Ions Promoted Aerobic Atrazine Degradation by Fe@Fe ₂ O ₃ Nanowires. <i>Acta Chimica Sinica</i> , 2017, 75, 602.	1.4	5
133	Molecular Oxygen Activation with Nano Zero-valent Iron for Aerobic Degradation of Organic Contaminants and the Performance Enhancement. <i>Acta Chimica Sinica</i> , 2017, 75, 538.	1.4	14
134	Oxygen Vacancy Structure Associated Photocatalytic Water Oxidation of BiOCl. <i>ACS Catalysis</i> , 2016, 6, 8276-8285.	11.2	333
135	Superior visible light hydrogen evolution of Janus bilayer junctions via atomic-level charge flow steering. <i>Nature Communications</i> , 2016, 7, 11480.	12.8	403
136	Giant Enhancement of Internal Electric Field Boosting Bulk Charge Separation for Photocatalysis. <i>Advanced Materials</i> , 2016, 28, 4059-4064.	21.0	538
137	Ascorbic acid enhanced activation of oxygen by ferrous iron: A case of aerobic degradation of rhodamine B. <i>Journal of Hazardous Materials</i> , 2016, 308, 67-74.	12.4	96
138	Facet-Dependent Cr(VI) Adsorption of Hematite Nanocrystals. <i>Environmental Science & Technology</i> , 2016, 50, 1964-1972.	10.0	246
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