

# Cui Lai

## List of Publications by Year in descending order

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159  
papers

19,751  
citations

6840

81  
h-index

12638

137  
g-index

159  
all docs

159  
docs citations

159  
times ranked

17709  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress of noble metals with tailored features in catalytic oxidation for organic pollutants degradation. <i>Journal of Hazardous Materials</i> , 2022, 422, 126950.	6.5	49
2	Heteroatom doping in metal-free carbonaceous materials for the enhancement of persulfate activation. <i>Chemical Engineering Journal</i> , 2022, 427, 131655.	6.6	90
3	Activation of persulfate by swine bone derived biochar: Insight into the specific role of different active sites and the toxicity of acetaminophen degradation pathways. <i>Science of the Total Environment</i> , 2022, 807, 151059.	3.9	25
4	Efficient antibiotics removal via the synergistic effect of manganese ferrite and MoS <sub>2</sub> . <i>Chemosphere</i> , 2022, 288, 132494.	4.2	11
5	Synergistic effect of flower-like MnFe <sub>2</sub> O <sub>4</sub> /MoS <sub>2</sub> on photo-Fenton oxidation remediation of tetracycline polluted water. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 942-953.	5.0	60
6	The promising NIR light-driven MO <sub>3-x</sub> (M=Mo, W) photocatalysts for energy conversion and environmental remediation. <i>Chemical Engineering Journal</i> , 2022, 431, 134044.	6.6	24
7	Facile synthesis of Mn, Ce co-doped g-C <sub>3</sub> N <sub>4</sub> composite for peroxydisulfate activation towards organic contaminant degradation. <i>Chemosphere</i> , 2022, 293, 133472.	4.2	41
8	H <sub>2</sub> O <sub>2</sub> -free photo-Fenton system for antibiotics degradation in water via the synergism of oxygen-enriched graphitic carbon nitride polymer and nano manganese ferrite. <i>Environmental Science: Nano</i> , 2022, 9, 815-826.	2.2	19
9	Graphynes: ideal supports of single atoms for electrochemical energy conversion. <i>Journal of Materials Chemistry A</i> , 2022, 10, 3905-3932.	5.2	21
10	Nitrogen-doping coupled with cerium oxide loading co-modified graphitic carbon nitride for highly enhanced photocatalytic degradation of tetracycline under visible light. <i>Chemosphere</i> , 2022, 293, 133648.	4.2	16
11	Oxygen vacancy assisted Mn-CuO Fenton-like oxidation of ciprofloxacin: Performance, effects of pH and mechanism. <i>Separation and Purification Technology</i> , 2022, 287, 120517.	3.9	35
12	Degradation of tetracycline by FeNi-LDH/Ti <sub>3</sub> C <sub>2</sub> photo-Fenton system in water: From performance to mechanism. <i>Chemosphere</i> , 2022, 294, 133736.	4.2	29
13	Enhancing hydrogen peroxide activation of Cu Co layered double hydroxide by compositing with biochar: Performance and mechanism. <i>Science of the Total Environment</i> , 2022, 828, 154188.	3.9	33
14	A potential link between the structure of iron catalysts and Fenton-like performance: from fundamental understanding to engineering design. <i>Journal of Materials Chemistry A</i> , 2022, 10, 12788-12804.	5.2	15
15	Atomically dispersed metal catalysts confined by covalent organic frameworks and their derivatives for electrochemical energy conversion and storage. <i>Coordination Chemistry Reviews</i> , 2022, 466, 214592.	9.5	16
16	Molecular engineering of donor-acceptor structured g-C <sub>3</sub> N <sub>4</sub> for superior photocatalytic oxytetracycline degradation. <i>Chemical Engineering Journal</i> , 2022, 448, 137370.	6.6	70
17	Peroxydisulfate activation by sulfur-doped ordered mesoporous carbon: Insight into the intrinsic relationship between defects and O <sub>2</sub> generation. <i>Water Research</i> , 2022, 221, 118797.	5.3	104
18	A direct Z-scheme oxygen vacant BWO/oxygen-enriched graphitic carbon nitride polymer heterojunction with enhanced photocatalytic activity. <i>Chemical Engineering Journal</i> , 2021, 403, 126363.	6.6	72

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19	Progress and challenges of metal-organic frameworks-based materials for SR-AOPs applications in water treatment. <i>Chemosphere</i> , 2021, 263, 127672.	4.2	138
20	Metal-organic frameworks as burgeoning materials for the capture and sensing of indoor VOCs and radon gases. <i>Coordination Chemistry Reviews</i> , 2021, 427, 213565.	9.5	94
21	Future roadmap on nonmetal-based 2D ultrathin nanomaterials for photocatalysis. <i>Chemical Engineering Journal</i> , 2021, 406, 126780.	6.6	39
22	Improving the Fenton-like catalytic performance of MnOx-Fe3O4/biochar using reducing agents: A comparative study. <i>Journal of Hazardous Materials</i> , 2021, 406, 124333.	6.5	115
23	<i>In situ</i> chemical oxidation: peroxide or persulfate coupled with membrane technology for wastewater treatment. <i>Journal of Materials Chemistry A</i> , 2021, 9, 11944-11960.	5.2	69
24	Recent Advance of Transition Metal-Based Layered Double Hydroxide Nanosheets: Synthesis, Properties, Modification, and Electrocatalytic Applications. <i>Advanced Energy Materials</i> , 2021, 11, 2002863.	10.2	137
25	Facile synthesis of CeO2/carbonate doped Bi2O2CO3 Z-scheme heterojunction for improved visible-light photocatalytic performance: Photodegradation of tetracycline and photocatalytic mechanism. <i>Journal of Colloid and Interface Science</i> , 2021, 588, 283-294.	5.0	120
26	N, S-GQDs and Au nanoparticles co-modified ultrathin Bi2MoO6 nanosheet with enhanced charge transport dynamics for full-spectrum-light-driven molecular oxygen activation. <i>Chemical Engineering Journal</i> , 2021, 409, 128281.	6.6	32
27	MXenes as Superexcellent Support for Confining Single Atom: Properties, Synthesis, and Electrocatalytic Applications. <i>Small</i> , 2021, 17, e2007113.	5.2	52
28	Enhancing iron redox cycling for promoting heterogeneous Fenton performance: A review. <i>Science of the Total Environment</i> , 2021, 775, 145850.	3.9	114
29	Gold nanoparticles-modified MnFe2O4 with synergistic catalysis for photo-Fenton degradation of tetracycline under neutral pH. <i>Journal of Hazardous Materials</i> , 2021, 414, 125448.	6.5	140
30	Visual Method for Selective Detection of Hg <sup>2+</sup> Based on the Competitive Interactions of 2-Thiobarbituric Acid with Au Nanoparticles and Hg <sup>2+</sup> . <i>ACS Applied Nano Materials</i> , 2021, 4, 6760-6767.	2.4	15
31	New notion of biochar: A review on the mechanism of biochar applications in advanced oxidation processes. <i>Chemical Engineering Journal</i> , 2021, 416, 129027.	6.6	153
32	Critical review of advanced oxidation processes in organic wastewater treatment. <i>Chemosphere</i> , 2021, 275, 130104.	4.2	410
33	Enhanced visible-light-driven photocatalytic activity of bismuth oxide via the decoration of titanium carbide quantum dots. <i>Journal of Colloid and Interface Science</i> , 2021, 600, 161-173.	5.0	51
34	Insightful understanding of charge carrier transfer in 2D/2D heterojunction photocatalyst: Ni-Co layered double hydroxides deposited on ornamental g-C3N4 ultrathin nanosheet with boosted molecular oxygen activation. <i>Chemical Engineering Journal</i> , 2021, 422, 130120.	6.6	49
35	Facile one-pot synthesis of carbon self-doped graphitic carbon nitride loaded with ultra-low ceric dioxide for high-efficiency environmental photocatalysis: Organic pollutants degradation and hexavalent chromium reduction. <i>Journal of Colloid and Interface Science</i> , 2021, 601, 196-208.	5.0	77
36	Recent advances in the application of water-stable metal-organic frameworks: Adsorption and photocatalytic reduction of heavy metal in water. <i>Chemosphere</i> , 2021, 285, 131432.	4.2	111

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37	COF-confined catalysts: from nanoparticles and nanoclusters to single atoms. <i>Journal of Materials Chemistry A</i> , 2021, 9, 24148-24174.	5.2	37
38	Porous graphitic carbon nitride nanomaterials for water treatment. <i>Environmental Science: Nano</i> , 2021, 8, 1835-1862.	2.2	16
39	Porous materials confining noble metals for the catalytic reduction of nitroaromatics: controllable synthesis and enhanced mechanism. <i>Environmental Science: Nano</i> , 2021, 8, 3067-3097.	2.2	22
40	Persulfate activation by swine bone char-derived hierarchical porous carbon: Multiple mechanism system for organic pollutant degradation in aqueous media. <i>Chemical Engineering Journal</i> , 2020, 383, 123091.	6.6	118
41	Recent progress on metal-organic frameworks based- and derived-photocatalysts for water splitting. <i>Chemical Engineering Journal</i> , 2020, 383, 123196.	6.6	148
42	Role of radical and non-radical pathway in activating persulfate for degradation of p-nitrophenol by sulfur-doped ordered mesoporous carbon. <i>Chemical Engineering Journal</i> , 2020, 384, 123304.	6.6	208
43	Recent development of advanced biotechnology for wastewater treatment. <i>Critical Reviews in Biotechnology</i> , 2020, 40, 99-118.	5.1	35
44	Synergistic removal of copper and tetracycline from aqueous solution by steam-activated bamboo-derived biochar. <i>Journal of Hazardous Materials</i> , 2020, 384, 121470.	6.5	121
45	Anchoring single-unit-cell defect-rich bismuth molybdate layers on ultrathin carbon nitride nanosheet with boosted charge transfer for efficient photocatalytic ciprofloxacin degradation. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 701-713.	5.0	57
46	Metal-organic frameworks and their derivatives as signal amplification elements for electrochemical sensing. <i>Coordination Chemistry Reviews</i> , 2020, 424, 213520.	9.5	105
47	Unravelling the role of dual quantum dots cocatalyst in OD/2D heterojunction photocatalyst for promoting photocatalytic organic pollutant degradation. <i>Chemical Engineering Journal</i> , 2020, 396, 125343.	6.6	132
48	Hybrid architectures based on noble metals and carbon-based dots nanomaterials: A review of recent progress in synthesis and applications. <i>Chemical Engineering Journal</i> , 2020, 399, 125743.	6.6	70
49	Graphdiyne: A Rising Star of Electrocatalyst Support for Energy Conversion. <i>Advanced Energy Materials</i> , 2020, 10, 2000177.	10.2	100
50	Insight into the mechanism of persulfate activated by bone char: Unraveling the role of functional structure of biochar. <i>Chemical Engineering Journal</i> , 2020, 401, 126127.	6.6	106
51	Interface modulation of Mo <sub>2</sub> C@foam nickel <i>via</i> MoS <sub>2</sub> quantum dots for the electrochemical oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15074-15085.	5.2	25
52	Unravelling the interfacial charge migration pathway at atomic level in 2D/2D interfacial Schottky heterojunction for visible-light-driven molecular oxygen activation. <i>Applied Catalysis B: Environmental</i> , 2020, 266, 118650.	10.8	150
53	ZIF-8-modified MnFe <sub>2</sub> O <sub>4</sub> with high crystallinity and superior photo-Fenton catalytic activity by Zn-O-Fe structure for TC degradation. <i>Chemical Engineering Journal</i> , 2020, 392, 124851.	6.6	192
54	Sustainable hydrogen production by molybdenum carbide-based efficient photocatalysts: From properties to mechanism. <i>Advances in Colloid and Interface Science</i> , 2020, 279, 102144.	7.0	55

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55	Strategy to improve gold nanoparticles loading efficiency on defect-free high silica ZSM-5 zeolite for the reduction of nitrophenols. <i>Chemosphere</i> , 2020, 256, 127083.	4.2	57
56	Degradation of sulfamethazine by biochar-supported bimetallic oxide/persulfate system in natural water: Performance and reaction mechanism. <i>Journal of Hazardous Materials</i> , 2020, 398, 122816.	6.5	133
57	Metal Organic Frameworks as Robust Host of Palladium Nanoparticles in Heterogeneous Catalysis: Synthesis, Application, and Prospect. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 32579-32598.	4.0	120
58	Cooperative catalytic performance of bimetallic Ni-Au nanocatalyst for highly efficient hydrogenation of nitroaromatics and corresponding mechanism insight. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118035.	10.8	154
59	Dugongs under threat. <i>Science</i> , 2019, 365, 552-552.	6.0	7
60	Visible-light-driven photocatalytic degradation of sulfamethazine by surface engineering of carbon nitride: Properties, degradation pathway and mechanisms. <i>Journal of Hazardous Materials</i> , 2019, 380, 120815.	6.5	131
61	Hierarchical porous carbon material restricted Au catalyst for highly catalytic reduction of nitroaromatics. <i>Journal of Hazardous Materials</i> , 2019, 380, 120864.	6.5	110
62	Electrochemical biosensor for amplified detection of Pb <sup>2+</sup> based on perfect match of reduced graphene oxide-gold nanoparticles and single-stranded DNAzyme. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 7499-7509.	1.9	14
63	Recent advances in covalent organic frameworks (COFs) as a smart sensing material. <i>Chemical Society Reviews</i> , 2019, 48, 5266-5302.	18.7	630
64	Multiple charge-carrier transfer channels of Z-scheme bismuth tungstate-based photocatalyst for tetracycline degradation: Transformation pathways and mechanism. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 770-782.	5.0	45
65	Powerful combination of g-C <sub>3</sub> N <sub>4</sub> and LDHs for enhanced photocatalytic performance: A review of strategy, synthesis, and applications. <i>Advances in Colloid and Interface Science</i> , 2019, 272, 101999.	7.0	127
66	Covalent triazine frameworks for carbon dioxide capture. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22848-22870.	5.2	106
67	Ultrathin oxygen-vacancy abundant WO <sub>3</sub> decorated monolayer Bi <sub>2</sub> WO <sub>6</sub> nanosheet: A 2D/2D heterojunction for the degradation of Ciprofloxacin under visible and NIR light irradiation. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 557-567.	5.0	89
68	Adsorption behavior of engineered carbons and carbon nanomaterials for metal endocrine disruptors: Experiments and theoretical calculation. <i>Chemosphere</i> , 2019, 222, 184-194.	4.2	157
69	Black Phosphorus, a Rising Star 2D Nanomaterial in the Post-Graphene Era: Synthesis, Properties, Modifications, and Photocatalysis Applications. <i>Small</i> , 2019, 15, e1804565.	5.2	244
70	Prussian blue analogue derived magnetic Cu-Fe oxide as a recyclable photo-Fenton catalyst for the efficient removal of sulfamethazine at near neutral pH values. <i>Chemical Engineering Journal</i> , 2019, 362, 865-876.	6.6	181
71	Biochar for environmental management: Mitigating greenhouse gas emissions, contaminant treatment, and potential negative impacts. <i>Chemical Engineering Journal</i> , 2019, 373, 902-922.	6.6	256
72	Degradation of naphthalene with magnetic bio-char activate hydrogen peroxide: Synergism of bio-char and Fe-Mn binary oxides. <i>Water Research</i> , 2019, 160, 238-248.	5.3	335

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73	An overview on nitride and nitrogen-doped photocatalysts for energy and environmental applications. <i>Composites Part B: Engineering</i> , 2019, 172, 704-723.	5.9	61
74	Chitosan functionalized activated coke for Au nanoparticles anchoring: Green synthesis and catalytic activities in hydrogenation of nitrophenols and azo dyes. <i>Applied Catalysis B: Environmental</i> , 2019, 255, 117740.	10.8	197
75	Enhancement of Detoxification of Petroleum Hydrocarbons and Heavy Metals in Oil-Contaminated Soil by Using Glycine- $\beta$ -Cyclodextrin. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1155.	1.2	18
76	Effects of typical engineered nanomaterials on 4-nonylphenol degradation in river sediment: based on bacterial community and function analysis. <i>Environmental Science: Nano</i> , 2019, 6, 2171-2184.	2.2	8
77	Peroxidase-Like Activity of Smart Nanomaterials and Their Advanced Application in Colorimetric Glucose Biosensors. <i>Small</i> , 2019, 15, e1900133.	5.2	145
78	Synergistic effect of artificial enzyme and 2D nano-structured Bi <sub>2</sub> WO <sub>6</sub> for eco-friendly and efficient biomimetic photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2019, 250, 52-62.	10.8	340
79	Metal or metal-containing nanoparticle@MOF nanocomposites as a promising type of photocatalyst. <i>Coordination Chemistry Reviews</i> , 2019, 388, 63-78.	9.5	235
80	Fabrication of novel magnetic MnFe <sub>2</sub> O <sub>4</sub> /bio-char composite and heterogeneous photo-Fenton degradation of tetracycline in near neutral pH. <i>Chemosphere</i> , 2019, 224, 910-921.	4.2	287
81	Effects of multi-walled carbon nanotubes on metal transformation and natural organic matters in riverine sediment. <i>Journal of Hazardous Materials</i> , 2019, 374, 459-468.	6.5	27
82	Facile synthesis of bismuth oxyhalogen-based Z-scheme photocatalyst for visible-light-driven pollutant removal: Kinetics, degradation pathways and mechanism. <i>Journal of Cleaner Production</i> , 2019, 225, 898-912.	4.6	101
83	Immobilized laccase on bentonite-derived mesoporous materials for removal of tetracycline. <i>Chemosphere</i> , 2019, 222, 865-871.	4.2	121
84	In-situ deposition of gold nanoparticles onto polydopamine-decorated g-C <sub>3</sub> N <sub>4</sub> for highly efficient reduction of nitroaromatics in environmental water purification. <i>Journal of Colloid and Interface Science</i> , 2019, 534, 357-369.	5.0	200
85	Recent progress in covalent organic framework thin films: fabrications, applications and perspectives. <i>Chemical Society Reviews</i> , 2019, 48, 488-516.	18.7	564
86	Colorimetric determination of mercury(II) using gold nanoparticles and double ligand exchange. <i>Mikrochimica Acta</i> , 2019, 186, 31.	2.5	38
87	Rational design 2D/2D BiOBr/CDs/g-C <sub>3</sub> N <sub>4</sub> Z-scheme heterojunction photocatalyst with carbon dots as solid-state electron mediators for enhanced visible and NIR photocatalytic activity: Kinetics, intermediates, and mechanism insight. <i>Journal of Catalysis</i> , 2019, 369, 469-481.	3.1	285
88	Au nanoparticles decorated on activated coke via a facile preparation for efficient catalytic reduction of nitrophenols and azo dyes. <i>Applied Surface Science</i> , 2019, 473, 578-588.	3.1	134
89	Boron nitride quantum dots decorated ultrathin porous g-C <sub>3</sub> N <sub>4</sub> : Intensified exciton dissociation and charge transfer for promoting visible-light-driven molecular oxygen activation. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 87-99.	10.8	543
90	Insights into the effect of chemical treatment on the physicochemical characteristics and adsorption behavior of pig manure-derived biochars. <i>Environmental Science and Pollution Research</i> , 2019, 26, 1962-1972.	2.7	7

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91	Deciphering the Fenton-reaction-aid lignocellulose degradation pattern by Phanerochaete chrysosporium with ferroferric oxide nanomaterials: Enzyme secretion, straw humification and structural alteration. <i>Bioresource Technology</i> , 2019, 276, 335-342.	4.8	41
92	Synthetic strategies and application of gold-based nanocatalysts for nitroaromatics reduction. <i>Science of the Total Environment</i> , 2019, 652, 93-116.	3.9	44
93	Nano-structured bismuth tungstate with controlled morphology: Fabrication, modification, environmental application and mechanism insight. <i>Chemical Engineering Journal</i> , 2019, 358, 480-496.	6.6	185
94	Fabrication of CuS/BiVO <sub>4</sub> (0 <sup>+</sup> 4 <sup>-</sup> ) binary heterojunction photocatalysts with enhanced photocatalytic activity for Ciprofloxacin degradation and mechanism insight. <i>Chemical Engineering Journal</i> , 2019, 358, 891-902.	6.6	401
95	Mechanisms for rhamnolipids-mediated biodegradation of hydrophobic organic compounds. <i>Science of the Total Environment</i> , 2018, 634, 1-11.	3.9	75
96	Rational Design of Carbon-Doped Carbon Nitride/Bi <sub>12</sub> O <sub>17</sub> Cl <sub>2</sub> Composites: A Promising Candidate Photocatalyst for Boosting Visible-Light-Driven Photocatalytic Degradation of Tetracycline. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6941-6949.	3.2	196
97	Investigating the adsorption behavior and the relative distribution of Cd <sup>2+</sup> sorption mechanisms on biochars by different feedstock. <i>Bioresource Technology</i> , 2018, 261, 265-271.	4.8	278
98	A novel biosorbent prepared by immobilized <i>Bacillus licheniformis</i> for lead removal from wastewater. <i>Chemosphere</i> , 2018, 200, 173-179.	4.2	81
99	“Gold rush” in modern science: Fabrication strategies and typical advanced applications of gold nanoparticles in sensing. <i>Coordination Chemistry Reviews</i> , 2018, 359, 1-31.	9.5	261
100	In Situ Grown AgI/Bi <sub>12</sub> O <sub>17</sub> Cl <sub>2</sub> Heterojunction Photocatalysts for Visible Light Degradation of Sulfamethazine: Efficiency, Pathway, and Mechanism. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4174-4184.	3.2	249
101	Preparation of water-compatible molecularly imprinted thiol-functionalized activated titanium dioxide: Selective adsorption and efficient photodegradation of 2, 4-dinitrophenol in aqueous solution. <i>Journal of Hazardous Materials</i> , 2018, 346, 113-123.	6.5	146
102	High adsorption of methylene blue by salicylic acid-methanol modified steel converter slag and evaluation of its mechanism. <i>Journal of Colloid and Interface Science</i> , 2018, 515, 232-239.	5.0	96
103	BiOX (X = Cl, Br, I) photocatalytic nanomaterials: Applications for fuels and environmental management. <i>Advances in Colloid and Interface Science</i> , 2018, 254, 76-93.	7.0	422
104	Efficient degradation of sulfamethazine in simulated and real wastewater at slightly basic pH values using Co-SAM-SCS /H <sub>2</sub> O <sub>2</sub> Fenton-like system. <i>Water Research</i> , 2018, 138, 7-18.	5.3	198
105	Tween 80 surfactant-enhanced bioremediation: toward a solution to the soil contamination by hydrophobic organic compounds. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 17-30.	5.1	80
106	Rhamnolipid stabilized nano-chlorapatite: Synthesis and enhancement effect on Pb-and Cd-immobilization in polluted sediment. <i>Journal of Hazardous Materials</i> , 2018, 343, 332-339.	6.5	139
107	Highly porous carbon nitride by supramolecular preassembly of monomers for photocatalytic removal of sulfamethazine under visible light driven. <i>Applied Catalysis B: Environmental</i> , 2018, 220, 202-210.	10.8	478
108	Enhanced bioremediation of 4-nonylphenol and cadmium co-contaminated sediment by composting with <i>Phanerochaete chrysosporium</i> inocula. <i>Bioresource Technology</i> , 2018, 250, 625-634.	4.8	40

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109	Simultaneous degradation of P-nitroaniline and electricity generation by using a microfiltration membrane dual-chamber microbial fuel cell. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 1749-1757.	3.8	35
110	Molecular docking simulation on the interactions of laccase from <i>Trametes versicolor</i> with nonylphenol and octylphenol isomers. <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 331-343.	1.7	30
111	Transcriptome analysis reveals novel insights into the response to Pb exposure in <i>Phanerochaete chrysosporium</i> . <i>Chemosphere</i> , 2018, 194, 657-665.	4.2	12
112	Electrochemical Aptasensor Based on Sulfurâ€“Nitrogen Codoped Ordered Mesoporous Carbon and Thymineâ€“Hg <sup>2+</sup> â€“Thymine Mismatch Structure for Hg <sup>2+</sup> Detection. <i>ACS Sensors</i> , 2018, 3, 2566-2573.	4.0	137
113	Alkali Metal-Assisted Synthesis of Graphite Carbon Nitride with Tunable Band-Gap for Enhanced Visible-Light-Driven Photocatalytic Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15503-15516.	3.2	188
114	Recent advances in sensors for tetracycline antibiotics and their applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 109, 260-274.	5.8	190
115	Strategies to improve metal organic frameworks photocatalystâ€™s performance for degradation of organic pollutants. <i>Coordination Chemistry Reviews</i> , 2018, 376, 449-466.	9.5	139
116	Construction of iodine vacancy-rich BiOI/Ag@AgI Z-scheme heterojunction photocatalysts for visible-light-driven tetracycline degradation: Transformation pathways and mechanism insight. <i>Chemical Engineering Journal</i> , 2018, 349, 808-821.	6.6	538
117	Facile Hydrothermal Synthesis of <i>Z</i> -Scheme Bi <sub>2</sub> Fe <sub>4</sub> O <sub>9</sub> /Bi <sub>2</sub> WO <sub>6</sub> Heterojunction Photocatalyst with Enhanced Visible Light Photocatalytic Activity. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 18824-18836.	4.0	397
118	Selective prepared carbon nanomaterials for advanced photocatalytic application in environmental pollutant treatment and hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2018, 239, 408-424.	10.8	386
119	Advanced photocatalytic Fenton-like process over biomimetic hemin-Bi <sub>2</sub> WO <sub>6</sub> with enhanced pH. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 93, 184-192.	2.7	132
120	Semiconductor/boron nitride composites: Synthesis, properties, and photocatalysis applications. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 6-18.	10.8	289
121	Difunctional chitosan-stabilized Fe/Cu bimetallic nanoparticles for removal of hexavalent chromium wastewater. <i>Science of the Total Environment</i> , 2018, 644, 1181-1189.	3.9	76
122	Metal-organic frameworks for highly efficient heterogeneous Fenton-like catalysis. <i>Coordination Chemistry Reviews</i> , 2018, 368, 80-92.	9.5	401
123	A visual application of gold nanoparticles: Simple, reliable and sensitive detection of kanamycin based on hydrogen-bonding recognition. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 946-954.	4.0	170
124	Effect of multi-walled carbon nanotubes on phytotoxicity of sediments contaminated by phenanthrene and cadmium. <i>Chemosphere</i> , 2017, 172, 449-458.	4.2	82
125	Sensitive and selective detection of glutathione based on anti-catalytical growth of gold nanoparticles colorimetric sensor. <i>International Journal of Environmental Analytical Chemistry</i> , 2017, 97, 71-84.	1.8	6
126	The rapid degradation of bisphenol A induced by the response of indigenous bacterial communities in sediment. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 3919-3928.	1.7	34



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127	Effects of calcium at toxic concentrations of cadmium in plants. <i>Planta</i> , 2017, 245, 863-873.	1.6	169
128	Sequestration of HCHs and DDTs in sediments in Dongting Lake of China with multiwalled carbon nanotubes: implication for in situ sequestration. <i>Environmental Science and Pollution Research</i> , 2017, 24, 7726-7739.	2.7	3
129	Chitosan-wrapped gold nanoparticles for hydrogen-bonding recognition and colorimetric determination of the antibiotic kanamycin. <i>Mikrochimica Acta</i> , 2017, 184, 2097-2105.	2.5	79
130	Interactions of carbon nanotubes and/or graphene with manganese peroxidase during biodegradation of endocrine disruptors and triclosan. <i>Chemosphere</i> , 2017, 184, 127-136.	4.2	41
131	Activities of laccase produced by a strains <i>Penicillium simplicissimum</i> induced by chemical agentia and UV radiation. <i>Journal of Central South University</i> , 2017, 24, 1953-1958.	1.2	8
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