Bisheng Li

List of Publications by Year
in descending order

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42	4,386	136885 32	265120 42
papers	citations	h-index	g-index

42	42	42	4002
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Critical review of advanced oxidation processes in organic wastewater treatment. Chemosphere, 2021, 275, 130104.	4.2	410
2	Facile Hydrothermal Synthesis of Z-Scheme Bi₂Fe₄O₉/Bi₂WO₆ Heterojunction Photocatalyst with Enhanced Visible Light Photocatalytic Activity. ACS Applied Materials & Interfaces, 2018, 10, 18824-18836.	4.0	397
3	Degradation of naphthalene with magnetic bio-char activate hydrogen peroxide: Synergism of bio-char and Feâ€“Mn binary oxides. Water Research, 2019, 160, 238-248.	5.3	335
4	Fabrication of novel magnetic MnFe2O4/bio-char composite and heterogeneous photo-Fenton degradation of tetracycline in near neutral pH. Chemosphere, 2019, 224, 910-921.	4.2	287
5	Black Phosphorus, a Rising Star 2D Nanomaterial in the Postâ€Graphene Era: Synthesis, Properties, Modifications, and Photocatalysis Applications. Small, 2019, 15, e1804565.	5.2	244
6	In-situ deposition of gold nanoparticles onto polydopamine-decorated g-C3N4 for highly efficient reduction of nitroaromatics in environmental water purification. Journal of Colloid and Interface Science, 2019, 534, 357-369.	5.0	200
7	Peroxidaseâ€Like Activity of Smart Nanomaterials and Their Advanced Application in Colorimetric Glucose Biosensors. Small, 2019, 15, e1900133.	5.2	145
8	Gold nanoparticles-modified MnFe2O4 with synergistic catalysis for photo-Fenton degradation of tetracycline under neutral pH. Journal of Hazardous Materials, 2021, 414, 125448.	6.5	140
9	Electrochemical Aptasensor Based on Sulfurâ€“Nitrogen Codoped Ordered Mesoporous Carbon and Thymineâ€“Hg²⁺â€“Thymine Mismatch Structure for Hg²⁺ Detection. ACS Sensors, 2018, 3, 2566-2573.	4.0	137
10	Recent Advance of Transitionâ€Metalâ€Based Layered Double Hydroxide Nanosheets: Synthesis, Properties, Modification, and Electrocatalytic Applications. Advanced Energy Materials, 2021, 11, 2002863.	10.2	137
11	Visible-light-driven photocatalytic degradation of sulfamethazine by surface engineering of carbon nitrideï¼šProperties, degradation pathway and mechanisms. Journal of Hazardous Materials, 2019, 380, 120815.	6.5	131
12	Facile synthesis of CeO2/carbonate doped Bi2O2CO3 Z-scheme heterojunction for improved visible-light photocatalytic performance: Photodegradation of tetracycline and photocatalytic mechanism. Journal of Colloid and Interface Science, 2021, 588, 283-294.	5.0	120
13	Improving the Fenton-like catalytic performance of MnOx-Fe3O4/biochar using reducing agents: A comparative study. Journal of Hazardous Materials, 2021, 406, 124333.	6.5	115
14	Enhancing iron redox cycling for promoting heterogeneous Fenton performance: A review. Science of the Total Environment, 2021, 775, 145850.	3.9	114
15	Hierarchical porous carbon material restricted Au catalyst for highly catalytic reduction of nitroaromatics. Journal of Hazardous Materials, 2019, 380, 120864.	6.5	110
16	Facile synthesis of bismuth oxyhalogen-based Z-scheme photocatalyst for visible-light-driven pollutant removal: Kinetics, degradation pathways and mechanism. Journal of Cleaner Production, 2019, 225, 898-912.	4.6	101
17	Graphdiyne: A Rising Star of Electrocatalyst Support for Energy Conversion. Advanced Energy Materials, 2020, 10, 2000177.	10.2	100
18	Heteroatom doping in metal-free carbonaceous materials for the enhancement of persulfate activation. Chemical Engineering Journal, 2022, 427, 131655.	6.6	90

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19	Ultrathin oxygen-vacancy abundant WO3 decorated monolayer Bi2WO6 nanosheet: A 2D/2D heterojunction for the degradation of Ciprofloxacin under visible and NIR light irradiation. Journal of Colloid and Interface Science, 2019, 556, 557-567.	5.0	89
20	Novel membranes with extremely high permeability fabricated by 3D printing and nickel coating for oil/water separation. Journal of Materials Chemistry A, 2022, 10, 12055-12061.	5.2	89
21	Ternary Z-scheme heterojunction of Bi2WO6 with reduced graphene oxide (rGO) and meso-tetra (4-carboxyphenyl) porphyrin (TCPP) for enhanced visible-light photocatalysis. Journal of Colloid and Interface Science, 2019, 540, 115-125.	5.0	88
22	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. Journal of Colloid and Interface Science, 2021, 601, 196-208.	5.0	77
23	In situ chemical oxidation: peroxide or persulfate coupled with membrane technology for wastewater treatment. Journal of Materials Chemistry A, 2021, 9, 11944-11960.	5.2	69
24	Anchoring single-unit-cell defect-rich bismuth molybdate layers on ultrathin carbon nitride nanosheet with boosted charge transfer for efficient photocatalytic ciprofloxacin degradation. Journal of Colloid and Interface Science, 2020, 560, 701-713.	5.0	57
25	Strategy to improve gold nanoparticles loading efficiency on defect-free high silica ZSM-5 zeolite for the reduction of nitrophenols. Chemosphere, 2020, 256, 127083.	4.2	57
26	Sustainable hydrogen production by molybdenum carbide-based efficient photocatalysts: From properties to mechanism. Advances in Colloid and Interface Science, 2020, 279, 102144.	7.0	55
27	MXenes as Superexcellent Support for Confining Single Atom: Properties, Synthesis, and Electrocatalytic Applications. Small, 2021, 17, e2007113.	5.2	52
28	Enhanced visible-light-driven photocatalytic activity of bismuth oxide via the decoration of titanium carbide quantum dots. Journal of Colloid and Interface Science, 2021, 600, 161-173.	5.0	51
29	Recent progress of noble metals with tailored features in catalytic oxidation for organic pollutants degradation. Journal of Hazardous Materials, 2022, 422, 126950.	6.5	49
30	Multiple charge-carrier transfer channels of Z-scheme bismuth tungstate-based photocatalyst for tetracycline degradation: Transformation pathways and mechanism. Journal of Colloid and Interface Science, 2019, 555, 770-782.	5.0	45
31	Colorimetric determination of mercury(II) using gold nanoparticles and double ligand exchange. Mikrochimica Acta, 2019, 186, 31.	2.5	38
32	COF-confined catalysts: from nanoparticles and nanoclusters to single atoms. Journal of Materials Chemistry A, 2021, 9, 24148-24174.	5.2	37
33	Recent development of advanced biotechnology for wastewater treatment. Critical Reviews in Biotechnology, 2020, 40, 99-118.	5.1	35
34	N, S-GQDs and Au nanoparticles co-modified ultrathin Bi2MoO6 nanosheet with enhanced charge transport dynamics for full-spectrum-light-driven molecular oxygen activation. Chemical Engineering Journal, 2021, 409, 128281.	6.6	32
35	Activation of persulfate by swine bone derived biochar: Insight into the specific role of different active sites and the toxicity of acetaminophen degradation pathways. Science of the Total Environment, 2022, 807, 151059.	3.9	25
36	The promising NIR light-driven MO3-x (MÂ=ÂMo, W) photocatalysts for energy conversion and environmental remediation. Chemical Engineering Journal, 2022, 431, 134044.	6.6	24

#	Article	IF	Citations
37	Porous materials confining noble metals for the catalytic reduction of nitroaromatics: controllable synthesis and enhanced mechanism. Environmental Science: Nano, 2021, 8, 3067-3097.	2.2	22
38	Graphynes: ideal supports of single atoms for electrochemical energy conversion. Journal of Materials Chemistry A, 2022, 10, 3905-3932.	5.2	21
39	Porous graphitic carbon nitride nanomaterials for water treatment. Environmental Science: Nano, 2021, 8, 1835-1862.	2.2	16
40	Nitrogen-doping coupled with cerium oxide loading co-modified graphitic carbon nitride for highly enhanced photocatalytic degradation of tetracycline under visible light. Chemosphere, 2022, 293, 133648.	4.2	16
41	Visual Method for Selective Detection of Hg²⁺ Based on the Competitive Interactions of 2-Thiobarbituric Acid with Au Nanoparticles and Hg²⁺. ACS Applied Nano Materials, 2021, 4, 6760-6767.	2.4	15
42	Electrochemical biosensor for amplified detection of Pb2+ based on perfect match of reduced graphene oxideâ€“gold nanoparticles and single-stranded DNAzyme. Analytical and Bioanalytical Chemistry, 2019, 411, 7499-7509.	1.9	14