

Chengbin Liu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76
papers

5,904
citations

41
h-index

76
g-index

77
ext. papers

7,128
ext. citations

11.8
avg, IF

6.07
L-index

#	Paper	IF	Citations
76	Enhanced removal of As(III) by heterogeneous catalytic oxidation of As(III) on Fe-biochar fibers with H ₂ O ₂ and hydroxylamine. <i>Chemical Engineering Journal</i> , 2022 , 428, 131200	14.7	4
75	Hollow sea-urchin-shaped carbon-anchored single-atom iron as dual-functional electro-Fenton catalysts for degrading refractory thiamphenicol with fast reaction kinetics in a wide pH range. <i>Chemical Engineering Journal</i> , 2022 , 427, 130996	14.7	9
74	High-efficiency and fast removal of As(III) from water by cerium oxide needles decorated macroporous carbon sponge. <i>Chemical Engineering Journal</i> , 2022 , 136740	14.7	0
73	Filter-membrane treatment of flowing antibiotic-containing wastewater through peroxydisulfate-coupled photocatalysis to reduce resistance gene and microbial inhibition during biological treatment. <i>Water Research</i> , 2021 , 207, 117819	12.5	4
72	Tuning the Oxidation State of Cu Electrodes for Selective Electrosynthesis of Ammonia from Nitrate. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	6
71	Polyaniline/reduced graphene oxide nanosheets on TiO ₂ nanotube arrays as a high-performance supercapacitor electrode: Understanding the origin of high rate capability. <i>Electrochimica Acta</i> , 2021 , 368, 137615	6.7	8
70	Electrocatalytic deep dehalogenation of florfenicol using Fe-doped CoP nanotubes array for blocking resistance gene expression and microbial inhibition during biochemical treatment. <i>Water Research</i> , 2021 , 201, 117361	12.5	1
69	Highly efficient As(III) removal in water using millimeter-sized porous granular MgO-biochar with high adsorption capacity. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125822	12.8	8
68	Boosting Electrocatalytic Oxygen Evolution: Superhydrophilic/Superaerophobic Hierarchical Nanoneedle/Microflower Arrays of CeCoO with Oxygen Vacancies. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 42843-42851	9.5	3
67	Highly Efficient Continuous-Flow Electro-Fenton Treatment of Antibiotic Wastewater Using a Double-Cathode System. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 1414-1422	8.3	5
66	All-Biomass Double Network Gel: Highly Efficient Removal of Pb ²⁺ and Cd ²⁺ in Wastewater and Utilization of Spent Adsorbents. <i>Journal of Polymers and the Environment</i> , 2020 , 28, 2669-2680	4.5	5
65	Efficient Photocatalytic Nitrogen Fixation: Enhanced Polarization, Activation, and Cleavage by Asymmetrical Electron Donation to N≡N Bond. <i>Advanced Functional Materials</i> , 2020 , 30, 1906983	15.6	46
64	High areal capacitance of vanadium oxides intercalated TiC MXene for flexible supercapacitors with high mass loading. <i>Nanotechnology</i> , 2020 , 31, 165403	3.4	6
63	Selective H ₂ O ₂ production on N-doped porous carbon from direct carbonization of metal organic frameworks for electro-Fenton mineralization of antibiotics. <i>Chemical Engineering Journal</i> , 2020 , 383, 123184	14.7	44
62	Ultra-high Areal Capacitance of Flexible MXene Electrodes: Electrostatic and Steric Effects of Terminations. <i>Chemistry of Materials</i> , 2020 , 32, 8257-8265	9.6	10
61	Adsorption enhanced photocatalytic degradation sulfadiazine antibiotic using porous carbon nitride nanosheets with carbon vacancies. <i>Chemical Engineering Journal</i> , 2020 , 382, 123017	14.7	32
60	Static and continuous flow photoelectrocatalytic treatment of antibiotic wastewater over mesh of TiO nanotubes implanted with g-CN nanosheets. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121248	12.8	42

59	Porous lithium ion sieves nanofibers: General synthesis strategy and highly selective recovery of lithium from brine water. <i>Chemical Engineering Journal</i> , 2020 , 379, 122407	14.7	50
58	Efficient Photocatalytic Hydrogen Evolution and CO Reduction: Enhanced Light Absorption, Charge Separation, and Hydrophilicity by Tailoring Terminal and Linker Units in g-CN. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 19607-19615	9.5	28
57	Deep Dehalogenation of Florfenicol Using Crystalline CoP Nanosheet Arrays on a Ti Plate via Direct Cathodic Reduction and Atomic H. <i>Environmental Science & Technology</i> , 2019 , 53, 11932-11940	10.3	26
56	Efficient removal of arsenic from groundwater using iron oxide nanoneedle array-decorated biochar fibers with high Fe utilization and fast adsorption kinetics. <i>Water Research</i> , 2019 , 167, 115107	12.5	76
55	Ultrafast and deep removal of arsenic in high-concentration wastewater: A superior bulk adsorbent of porous FeO nanocubes-impregnated graphene aerogel. <i>Chemosphere</i> , 2019 , 222, 258-266	8.4	39
54	The individual and Co-exposure degradation of benzophenone derivatives by UV/HO and UV/PDS in different water matrices. <i>Water Research</i> , 2019 , 159, 102-110	12.5	48
53	Enhanced arsenite removal from water by radially porous Fe-chitosan beads: Adsorption and HO catalytic oxidation. <i>Journal of Hazardous Materials</i> , 2019 , 373, 97-105	12.8	33
52	Sea-urchin-structure g-C3N4 with narrow bandgap (2.0 eV) for efficient overall water splitting under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2019 , 249, 275-281	21.8	81
51	Crystallization, cyanamide defect and ion induction of carbon nitride: Exciton polarization dissociation, charge transfer and surface electron density for enhanced hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2019 , 251, 206-212	21.8	33
50	1T-MoS2 nanosheets confined among TiO2 nanotube arrays for high performance supercapacitor. <i>Chemical Engineering Journal</i> , 2019 , 366, 163-171	14.7	64
49	Hollow Pt skim-sandwiched Cu spheres supported on reduced graphene oxide-carbon nanotube architecture for efficient methanol electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 6886-6895	6.7	9
48	Removal and Recovery of Uranium from Groundwater Using Direct Electrochemical Reduction Method: Performance and Implications. <i>Environmental Science & Technology</i> , 2019 , 53, 14612-14619	10.3	21
47	Fast and efficient removal of As(III) from water by CuFeO with peroxydisulfate: Effects of oxidation and adsorption. <i>Water Research</i> , 2019 , 150, 182-190	12.5	94
46	MoS Quantum Dot Growth Induced by S Vacancies in a ZnInS Monolayer: Atomic-Level Heterostructure for Photocatalytic Hydrogen Production. <i>ACS Nano</i> , 2018 , 12, 751-758	16.7	296
45	Efficient heavy metal removal from industrial melting effluent using fixed-bed process based on porous hydrogel adsorbents. <i>Water Research</i> , 2018 , 131, 246-254	12.5	198
44	Kinetics, pathways and toxicity evaluation of neonicotinoid insecticides degradation via UV/chlorine process. <i>Chemical Engineering Journal</i> , 2018 , 346, 298-306	14.7	54
43	Three-dimensional reduced graphene oxide/Mn3O4 nanosheet hybrid decorated with palladium nanoparticles for highly efficient hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 3369-3377	6.7	15
42	Scalable one-step production of porous oxygen-doped g-C3N4 nanorods with effective electron separation for excellent visible-light photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2018 , 224, 1-9	21.8	192

41	Flexible Ti3C2Tx@Al electrodes with Ultrahigh Areal Capacitance: In Situ Regulation of Interlayer Conductivity and Spacing. <i>Advanced Functional Materials</i> , 2018 , 28, 1803196	15.6	41
40	Electrocatalytic dechlorination of halogenated antibiotics via synergistic effect of chlorine-cobalt bond and atomic H. <i>Journal of Hazardous Materials</i> , 2018 , 358, 294-301	12.8	22
39	"Dark Deposition" of Ag Nanoparticles on TiO: Improvement of Electron Storage Capacity To Boost "Memory Catalysis" Activity. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 25350-25359	9.5	40
38	Prednisolone degradation by UV/chlorine process: Influence factors, transformation products and mechanism. <i>Chemosphere</i> , 2018 , 212, 56-66	8.4	30
37	Ag3PO4/Ti3C2 MXene interface materials as a Schottky catalyst with enhanced photocatalytic activities and anti-photocorrosion performance. <i>Applied Catalysis B: Environmental</i> , 2018 , 239, 545-554	21.8	289
36	The role of reactive oxygen species and carbonate radical in oxcarbazepine degradation via UV, UV/HO: Kinetics, mechanisms and toxicity evaluation. <i>Water Research</i> , 2018 , 147, 204-213	12.5	69
35	Pb(II), Cu(II) and Cd(II) removal using a humic substance-based double network hydrogel in individual and multicomponent systems. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 20110-20120	13	64
34	Deep oxidation and removal of arsenite in groundwater by rationally positioning oxidation and adsorption sites in binary Fe-Cu oxide/TiO2. <i>Chemical Engineering Journal</i> , 2018 , 354, 825-834	14.7	31
33	Positioning cyanamide defects in g-C3N4: Engineering energy levels and active sites for superior photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2018 , 237, 24-31	21.8	131
32	Destruction of phenicol antibiotics using the UV/H2O2 process: Kinetics, byproducts, toxicity evaluation and trichloromethane formation potential. <i>Chemical Engineering Journal</i> , 2018 , 351, 867-877	14.7	45
31	Hierarchical reduced graphene oxide supported dealloyed platinum-copper nanoparticles for highly efficient methanol electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 6705-6712	6.7	30
30	Silver phosphate-based Z-Scheme photocatalytic system with superior sunlight photocatalytic activities and anti-photocorrosion performance. <i>Applied Catalysis B: Environmental</i> , 2017 , 208, 1-13	21.8	149
29	Oxidative transformation of artificial sweetener acesulfame by permanganate: Reaction kinetics, transformation products and pathways, and ecotoxicity. <i>Journal of Hazardous Materials</i> , 2017 , 330, 52-60	12.8	27
28	Fe2P/reduced graphene oxide/Fe2P sandwich-structured nanowall arrays: a high-performance non-noble-metal electrocatalyst for hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 8608-8615	12.1	87
27	Photocatalytic wastewater purification with simultaneous hydrogen production using MoS QD-decorated hierarchical assembly of ZnInS on reduced graphene oxide photocatalyst. <i>Water Research</i> , 2017 , 121, 11-19	12.5	129
26	Self-Optimization of the Active Site of Molybdenum Disulfide by an Irreversible Phase Transition during Photocatalytic Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7610-7614	16.4	175
25	Rapid Analysis of Bisphenol A and Its Analogues in Food Packaging Products by Paper Spray Ionization Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 4859-4865	5.7	25
24	Efficient Removal of Heavy Metal Ions with An EDTA Functionalized Chitosan/Polyacrylamide Double Network Hydrogel. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 843-851	8.3	132

23	A three-dimensional graphitic carbon nitride belt network for enhanced visible light photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 19003-19010	13	87
22	A highly efficient polyampholyte hydrogel sorbent based fixed-bed process for heavy metal removal in actual industrial effluent. <i>Water Research</i> , 2016 , 89, 151-60	12.5	160
21	Omnidirectional enhancement of photocatalytic hydrogen evolution over hierarchical "auline leaf" nanoarchitectures. <i>Applied Catalysis B: Environmental</i> , 2016 , 186, 88-96	21.8	104
20	Polyaniline-Reduced Graphene Oxide Hybrid Nanosheets with Nearly Vertical Orientation Anchoring Palladium Nanoparticles for Highly Active and Stable Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 169-76	9.5	54
19	A bamboo-inspired hierarchical nanoarchitecture of Ag/CuO/TiO ₂ nanotube array for highly photocatalytic degradation of 2,4-dinitrophenol. <i>Journal of Hazardous Materials</i> , 2016 , 313, 244-52	12.8	75
18	Cellulose Tailored Anatase TiO ₂ Nanospindles in Three-Dimensional Graphene Composites for High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 12165-75	9.5	79
17	Rapid and efficient treatment of wastewater with high-concentration heavy metals using a new type of hydrogel-based adsorption process. <i>Bioresource Technology</i> , 2016 , 219, 451-457	11	87
16	A double network gel as low cost and easy recycle adsorbent: Highly efficient removal of Cd(II) and Pb(II) pollutants from wastewater. <i>Journal of Hazardous Materials</i> , 2015 , 300, 153-160	12.8	113
15	Sponge-like polysiloxane-graphene oxide gel as a highly efficient and renewable adsorbent for lead and cadmium metals removal from wastewater. <i>Chemical Engineering Journal</i> , 2015 , 280, 275-282	14.7	104
14	New double network hydrogel adsorbent: Highly efficient removal of Cd(II) and Mn(II) ions in aqueous solution. <i>Chemical Engineering Journal</i> , 2015 , 275, 179-188	14.7	94
13	Engineering a FRET strategy to achieve a ratiometric two-photon fluorescence response with a large emission shift and its application to fluorescence imaging. <i>Chemical Science</i> , 2015 , 6, 2360-2365	9.4	95
12	Vertical single or few-layer MoS ₂ nanosheets rooting into TiO ₂ nanofibers for highly efficient photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2015 , 164, 1-9	21.8	408
11	Three-Dimensional Nitrogen-Doped Reduced Graphene Oxide-Carbon Nanotubes Architecture Supporting Ultrafine Palladium Nanoparticles for Highly Efficient Methanol Electrooxidation. <i>Chemistry - A European Journal</i> , 2015 , 21, 16631-8	4.8	32
10	Vertically oriented reduced graphene oxide supported dealloyed palladium-copper nanoparticles for methanol electrooxidation. <i>Journal of Power Sources</i> , 2015 , 278, 725-732	8.9	58
9	Controllable growth of graphene/Cu composite and its nanoarchitecture-dependent electrocatalytic activity to hydrazine oxidation. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 4580-4587	13	72
8	Palladium nanoparticles supported on vertically oriented reduced graphene oxide for methanol electro-oxidation. <i>ChemSusChem</i> , 2014 , 7, 2907-13	8.3	39
7	One-step electrodeposition to layer-by-layer graphene-conducting-polymer hybrid films. <i>Macromolecular Rapid Communications</i> , 2012 , 33, 1780-6	4.8	41
6	Fabrication of graphene films on TiO ₂ nanotube arrays for photocatalytic application. <i>Carbon</i> , 2011 , 49, 5312-5320	10.4	116

5	TiO ₂ nanotube supported metallocene catalysts for the preparation of nanofiber, nanosheet, and floccule of polyethylene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011 , 49, 812-817	2.6	7
4	Direct electrodeposition of graphene enabling the one-step synthesis of graphene-metal nanocomposite films. <i>Small</i> , 2011 , 7, 1203-6	11	307
3	Direct electrodeposition of reduced graphene oxide on glassy carbon electrode and its electrochemical application. <i>Electrochemistry Communications</i> , 2011 , 13, 133-137	5.1	605
2	Electrochemical synthesis of polyaniline in surface-attached poly(acrylic acid) network, and its application to the electrocatalytic oxidation of ascorbic acid. <i>Mikrochimica Acta</i> , 2010 , 168, 231-237	5.8	29
1	A new biodegradable polymer: PEGylated chitosan-g-PEI possessing a hydroxyl group at the PEG end. <i>Journal of Polymer Research</i> , 2008 , 15, 181-185	2.7	31