

Bo Yang

List of Publications by Year in descending order

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198
papers

8,068
citations

53751

45
h-index

74108

75
g-index

203
all docs

203
docs citations

203
times ranked

8536
citing authors

#	ARTICLE	IF	CITATIONS
1	NiS ₂ @CoS ₂ nanocrystals encapsulated in N-doped carbon nanocubes for high performance lithium/sodium ion batteries. <i>Energy Storage Materials</i> , 2018, 11, 67-74.	9.5	346
2	MOF-derived nitrogen doped carbon modified g-C ₃ N ₄ heterostructure composite with enhanced photocatalytic activity for bisphenol A degradation with peroxymonosulfate under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2018, 233, 35-45.	10.8	331
3	Efficient Electrochemical Oxidation of Perfluorooctanoate Using a Ti/SnO ₂ -Sb-Bi Anode. <i>Environmental Science & Technology</i> , 2011, 45, 2973-2979.	4.6	305
4	Degradation of perfluorinated compounds on a boron-doped diamond electrode. <i>Electrochimica Acta</i> , 2012, 77, 17-22.	2.6	172
5	Toxicity, degradation and metabolic fate of ibuprofen on freshwater diatom <i>Navicula</i> sp.. <i>Journal of Hazardous Materials</i> , 2017, 330, 127-134.	6.5	163
6	A Conductive and Highly Deformable All-Pseudocapacitive Composite Paper as Supercapacitor Electrode with Improved Areal and Volumetric Capacitance. <i>Small</i> , 2018, 14, e1803786.	5.2	158
7	Application of (LC)/MS/MS precursor ion scan for evaluating the occurrence, formation and control of polar halogenated DBPs in disinfected waters: A review. <i>Water Research</i> , 2019, 158, 322-337.	5.3	157
8	A g-C ₃ N ₄ /MIL-101(Fe) heterostructure composite for highly efficient BPA degradation with persulfate under visible light irradiation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23703-23711.	5.2	153
9	Recent advances on photocatalytic fuel cell for environmental applications—The marriage of photocatalysis and fuel cells. <i>Science of the Total Environment</i> , 2019, 668, 966-978.	3.9	144
10	Biodegradation of naproxen by freshwater algae <i>Cymbella</i> sp. and <i>Scenedesmus quadricauda</i> and the comparative toxicity. <i>Bioresource Technology</i> , 2017, 238, 164-173.	4.8	133
11	Carbonaceous biomass-titania composites with Ti O C bonding bridge for efficient photocatalytic reduction of Cr(VI) under narrow visible light. <i>Chemical Engineering Journal</i> , 2019, 366, 172-180.	6.6	113
12	Electrocatalytic Hydrodechlorination of 2,4,5-Trichlorobiphenyl on a Palladium-Modified Nickel Foam Cathode. <i>Environmental Science & Technology</i> , 2007, 41, 7503-7508.	4.6	109
13	Ultrahigh level nitrogen/sulfur co-doped carbon as high performance anode materials for lithium-ion batteries. <i>Carbon</i> , 2018, 126, 85-92.	5.4	99
14	Controllable synthesis of graphitic carbon nitride nanomaterials for solar energy conversion and environmental remediation: the road travelled and the way forward. <i>Catalysis Science and Technology</i> , 2018, 8, 4576-4599.	2.1	99
15	Three-step effluent chlorination increases disinfection efficiency and reduces DBP formation and toxicity. <i>Chemosphere</i> , 2017, 168, 1302-1308.	4.2	98
16	Angstrom-confined catalytic water purification within Co-TiO _x laminar membrane nanochannels. <i>Nature Communications</i> , 2022, 13, .	5.8	97
17	Comparative cytotoxicity of halogenated aromatic DBPs and implications of the corresponding developed QSAR model to toxicity mechanisms of those DBPs: Binding interactions between aromatic DBPs and catalase play an important role. <i>Water Research</i> , 2020, 170, 115283.	5.3	94
18	SnS ₂ Nanosheets Coating on Nanohollow Cubic CoS ₂ /C for Ultralong Life and High Rate Capability Half/Full Sodium-Ion Batteries. <i>Small</i> , 2018, 14, e1802716.	5.2	93

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19	Separation, anti-fouling, and chlorine resistance of the polyamide reverse osmosis membrane: From mechanisms to mitigation strategies. <i>Water Research</i> , 2021, 195, 116976.	5.3	90
20	Recent advances in anaerobic biological processes for textile printing and dyeing wastewater treatment: a mini-review. <i>World Journal of Microbiology and Biotechnology</i> , 2018, 34, 165.	1.7	85
21	Pb-Based Perovskite Solar Cells and the Underlying Pollution behind Clean Energy: Dynamic Leaching of Toxic Substances from Discarded Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2812-2817.	2.1	84
22	Highly efficient electrochemical degradation of perfluorooctanoic acid (PFOA) by F-doped Ti/SnO ₂ electrode. <i>Journal of Hazardous Materials</i> , 2015, 299, 417-424.	6.5	83
23	Electrochemical oxidation of perfluorooctane sulfonate (PFOS) substitute by modified boron doped diamond (BDD) anodes. <i>Chemical Engineering Journal</i> , 2020, 379, 122280.	6.6	82
24	Copper-catalyzed activation of molecular oxygen for oxidative destruction of acetaminophen: The mechanism and superoxide-mediated cycling of copper species. <i>Chemosphere</i> , 2017, 166, 89-95.	4.2	80
25	Unravelling the mechanistic role of Ti O C bonding bridge at titania/lignocellulosic biomass interface for Cr(VI) photoreduction under visible light. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 409-417.	5.0	76
26	Electrochemical mineralization of perfluorooctane sulfonate by novel F and Sb co-doped Ti/SnO ₂ electrode containing Sn-Sb interlayer. <i>Chemical Engineering Journal</i> , 2017, 316, 296-304.	6.6	74
27	Characterization of household food waste and strategies for its reduction: A Shenzhen City case study. <i>Waste Management</i> , 2018, 78, 426-433.	3.7	72
28	Perfluorinated compounds (PFCs) in the atmosphere of Shenzhen, China: Spatial distribution, sources and health risk assessment. <i>Chemosphere</i> , 2015, 138, 511-518.	4.2	69
29	Sustainable and easy recoverable magnetic TiO ₂ -Lignocellulosic Biomass@Fe ₃ O ₄ for solar photocatalytic water remediation. <i>Journal of Cleaner Production</i> , 2019, 233, 841-847.	4.6	68
30	Selenium(VI) and copper(II) adsorption using polyethyleneimine-based resins: Effect of glutaraldehyde crosslinking and storage condition. <i>Journal of Hazardous Materials</i> , 2020, 386, 121637.	6.5	67
31	Electrocatalytic hydrodechlorination of 4-chlorobiphenyl in aqueous solution using palladized nickel foam cathode. <i>Chemosphere</i> , 2007, 67, 1361-1367.	4.2	66
32	Spatial distribution and partition of perfluoroalkyl acids (PFAAs) in rivers of the Pearl River Delta, southern China. <i>Science of the Total Environment</i> , 2015, 524-525, 1-7.	3.9	64
33	Treatment of industrial dyeing wastewater with a pilot-scale strengthened circulation anaerobic reactor. <i>Bioresource Technology</i> , 2018, 264, 154-162.	4.8	63
34	Microgel-Enhanced Double Network Hydrogel Electrode with High Conductivity and Stability for Intrinsically Stretchable and Flexible All-Gel-State Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 19323-19330.	4.0	62
35	Granulation process in an expanded granular sludge blanket (EGSB) reactor for domestic sewage treatment: Impact of extracellular polymeric substances compositions and evolution of microbial population. <i>Bioresource Technology</i> , 2018, 269, 153-161.	4.8	60
36	Preparation, Stabilization and Carbonization of a Novel Polyacrylonitrile-Based Carbon Fiber Precursor. <i>Polymers</i> , 2019, 11, 1150.	2.0	59

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37	Quantitative source tracking of heavy metals contained in urban road deposited sediments. <i>Journal of Hazardous Materials</i> , 2020, 393, 122362.	6.5	59
38	Electrochemical Oxidation of Environmentally Persistent Perfluorooctane Sulfonate by a Novel Lead Dioxide Anode. <i>Electrochimica Acta</i> , 2016, 213, 358-367.	2.6	58
39	Bimetallic Pd/Al particles for highly efficient hydrodechlorination of 2-chlorobiphenyl in acidic aqueous solution. <i>Journal of Hazardous Materials</i> , 2011, 189, 76-83.	6.5	57
40	Organic sponge photocatalysis. <i>Green Chemistry</i> , 2017, 19, 2925-2930.	4.6	57
41	Biouptake, toxicity and biotransformation of triclosan in diatom <i>Cymbella</i> sp. and the influence of humic acid. <i>Environmental Pollution</i> , 2018, 234, 231-242.	3.7	57
42	Nutrients and metals interactions between water and sediment phases: An urban river case study. <i>Environmental Pollution</i> , 2019, 251, 354-362.	3.7	52
43	NiCo-LDH nanosheets strongly coupled with GO-CNTs as a hybrid electrocatalyst for oxygen evolution reaction. <i>Nano Research</i> , 2021, 14, 4783-4788.	5.8	52
44	Catalytic Hydrodechlorination of 4-Chlorophenol in an Aqueous Solution with Pd/Ni Catalyst and Formic Acid. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 4561-4565.	1.8	50
45	Microbial characterization of heavy metal resistant bacterial strains isolated from an electroplating wastewater treatment plant. <i>Ecotoxicology and Environmental Safety</i> , 2019, 181, 472-480.	2.9	49
46	Decomplexation removal of Ni(II)-citrate complexes through heterogeneous Fenton-like process using novel CuO-CeO ₂ -CoO _x composite nanocatalyst. <i>Journal of Hazardous Materials</i> , 2019, 374, 167-176.	6.5	46
47	C ₃ N ₄ modified with single layer ZIF67 nanoparticles for efficient photocatalytic degradation of organic pollutants under visible light. <i>Chinese Journal of Catalysis</i> , 2020, 41, 1894-1905.	6.9	46
48	Nanocapsulation of horseradish peroxidase (HRP) enhances enzymatic performance in removing phenolic compounds. <i>International Journal of Biological Macromolecules</i> , 2020, 150, 814-822.	3.6	45
49	Recent advances in hybrid wet scrubbing techniques for NO _x and SO ₂ removal: State of the art and future research. <i>Chemosphere</i> , 2021, 273, 129695.	4.2	45
50	Bifunctional organic sponge photocatalyst for efficient cross-dehydrogenative coupling of tertiary amines to ketones. <i>Chemical Communications</i> , 2017, 53, 12536-12539.	2.2	44
51	Ultrahigh-strength Ultrahigh Molecular Weight Polyethylene (UHMWPE)-Based Fiber Electrode for High Performance Flexible Supercapacitors. <i>Advanced Functional Materials</i> , 2018, 28, 1707351.	7.8	44
52	Persulfate enhanced photoelectrocatalytic degradation of cyanide using a CuFe ₂ O ₄ modified graphite felt cathode. <i>Chemical Engineering Journal</i> , 2018, 347, 535-542.	6.6	44
53	Characterization of brominated flame retardants in construction and demolition waste components: HBCD and PBDEs. <i>Science of the Total Environment</i> , 2016, 572, 77-85.	3.9	43
54	Efficient removal of perfluoroalkyl acids (PFAAs) from aqueous solution by electrocoagulation using iron electrode. <i>Chemical Engineering Journal</i> , 2016, 303, 384-390.	6.6	42

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55	Mn assisted electrochemical generation of two-dimensional Fe-Mn layered double hydroxides for efficient Sb(V) removal. <i>Journal of Hazardous Materials</i> , 2017, 336, 33-40.	6.5	42
56	Amphiphilic Graphene Aerogel with High Oil and Water Adsorption Capacity and High Contact Area for Interface Reaction. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 22794-22800.	4.0	42
57	Enhanced photocatalytic hydrogen evolution under visible light irradiation by p-type MoS ₂ /n-type Ni ₂ P doped g-C ₃ N ₄ . <i>Applied Surface Science</i> , 2020, 504, 144448.	3.1	42
58	Occurrence and removal of bisphenol analogues in wastewater treatment plants and activated sludge bioreactor. <i>Science of the Total Environment</i> , 2021, 758, 143606.	3.9	42
59	Biomass-derived nitrogen/oxygen co-doped hierarchical porous carbon with a large specific surface area for ultrafast and long-life sodium-ion batteries. <i>Applied Surface Science</i> , 2018, 462, 713-719.	3.1	41
60	Peroxymonosulfate enhanced photoelectrocatalytic degradation of ofloxacin using an easily coated cathode. <i>Separation and Purification Technology</i> , 2020, 236, 116301.	3.9	41
61	Biofouling behavior and performance of forward osmosis membranes with bioinspired surface modification in osmotic membrane bioreactor. <i>Bioresource Technology</i> , 2016, 211, 751-758.	4.8	40
62	Comprehensive Insights into the Interactions of Two Emerging Bromophenolic DBPs with Human Serum Albumin by Multispectroscopy and Molecular Docking. <i>ACS Omega</i> , 2019, 4, 563-572.	1.6	40
63	Rapid decontamination of tetracycline hydrolysis product using electrochemical CNT filter: Mechanism, impacting factors and pathways. <i>Chemosphere</i> , 2020, 244, 125525.	4.2	40
64	H ₂ O ₂ Assisted Photoelectrocatalytic Oxidation of Ag-Cyanide Complexes at Metal-free g-C ₃ N ₄ Photoanode with Simultaneous Ag Recovery. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 5001-5007.	3.2	39
65	Facile one-pot synthesis of mesoporous g-C ₃ N ₄ nanosheets with simultaneous iodine doping and N-vacancies for efficient visible-light-driven H ₂ evolution performance. <i>Catalysis Science and Technology</i> , 2020, 10, 549-559.	2.1	39
66	Recent innovations for scaling up microbial fuel cell systems: Significance of physicochemical factors for electrodes and membranes materials. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 129, 207-226.	2.7	39
67	One-step Sb(III) decontamination using a bifunctional photoelectrochemical filter. <i>Journal of Hazardous Materials</i> , 2020, 389, 121840.	6.5	37
68	Sustainable self-floating lignocellulosic biomass-TiO ₂ @Aerogel for outdoor solar photocatalytic Cr(VI) reduction. <i>Separation and Purification Technology</i> , 2019, 229, 115830.	3.9	36
69	Nitrogen-doped porous carbon derived from foam polystyrene as an anode material for lithium-ion batteries. <i>Applied Surface Science</i> , 2020, 504, 144398.	3.1	36
70	Targeted degradation of refractory organic compounds in wastewaters based on molecular imprinting catalysts. <i>Water Research</i> , 2021, 203, 117541.	5.3	36
71	Honeycomb-like holey Co ₃ O ₄ membrane triggered peroxymonosulfate activation for rapid degradation of organic contaminants. <i>Science of the Total Environment</i> , 2022, 814, 152698.	3.9	36
72	Behaviour of metals in an urban river and the pollution of estuarine environment. <i>Water Research</i> , 2019, 164, 114911.	5.3	35

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73	Biological removal of pharmaceuticals by <i>Navicula</i> sp. and biotransformation of bezafibrate. <i>Chemosphere</i> , 2020, 240, 124949.	4.2	35
74	Photocatalyst- and transition-metal-free β -allylation of <i>N</i> -aryl tetrahydroisoquinolines mediated by visible light. <i>Green Chemistry</i> , 2020, 22, 646-650.	4.6	35
75	Characterization of post-disaster environmental management for Hazardous Materials Incidents: Lessons learnt from the Tianjin warehouse explosion, China. <i>Journal of Environmental Management</i> , 2017, 199, 21-30.	3.8	34
76	NiFe ₂ O ₄ porous nanorods/graphene composites as high-performance anode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , 2017, 248, 292-298.	2.6	34
77	Co-precipitation with CaCO ₃ to remove heavy metals and significantly reduce the moisture content of filter residue. <i>Chemosphere</i> , 2020, 239, 124660.	4.2	34
78	Visible light responsive photoactive polymer supported on carbonaceous biomass for photocatalytic water remediation. <i>Journal of Cleaner Production</i> , 2020, 269, 122286.	4.6	34
79	Copper single-atom catalyst as a high-performance electrocatalyst for nitrate-ammonium conversion. <i>Journal of Hazardous Materials</i> , 2022, 434, 128892.	6.5	34
80	Promoting effect of EDTA on catalytic activity of highly stable Al-Ni bimetal alloy for dechlorination of 2-chlorophenol. <i>Chemical Engineering Journal</i> , 2014, 250, 222-229.	6.6	33
81	Fabrication of MnO ₂ -carbonized cotton yarn derived hierarchical porous active carbon flexible supercapacitor electrodes for potential applications in cable-type devices. <i>Applied Surface Science</i> , 2019, 487, 180-188.	3.1	33
82	Iron-based biochar derived from waste-activated sludge enhances anaerobic digestion of synthetic salty organic wastewater for methane production. <i>Bioresource Technology</i> , 2022, 345, 126465.	4.8	33
83	Electrochemical oxidation of 1H,1H,2H,2H-perfluorooctane sulfonic acid (6:2 FTS) on DSA electrode: Operating parameters and mechanism. <i>Journal of Environmental Sciences</i> , 2014, 26, 1733-1739.	3.2	32
84	Hierarchically porous carbon derived from waste acrylic fibers for super-high capacity lithium ion battery anodes. <i>Chemical Engineering Journal</i> , 2018, 346, 143-150.	6.6	32
85	Biodegradation of triclosan in diatom <i>Navicula</i> sp.: Kinetics, transformation products, toxicity evaluation and the effects of pH and potassium permanganate. <i>Journal of Hazardous Materials</i> , 2018, 344, 200-209.	6.5	32
86	Boosting Cr(VI) detoxification and sequestration efficiency with carbon nanotube electrochemical filter functionalized with nanoscale polyaniline: Performance and mechanism. <i>Science of the Total Environment</i> , 2019, 695, 133926.	3.9	32
87	Recovery of Ni(II) from real electroplating wastewater using fixed-bed resin adsorption and subsequent electrodeposition. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	3.3	32
88	Electrochemical sensor based on ZIF-8@dimethylglyoxime and β -cyclodextrin modified reduced graphene oxide for nickel (II) detection. <i>Sensors and Actuators B: Chemical</i> , 2020, 315, 128091.	4.0	32
89	Highly efficient removal of perfluorooctanoic acid from aqueous solution by H ₂ O ₂ -enhanced electrocoagulation-electroflotation technique. <i>Emerging Contaminants</i> , 2016, 2, 49-55.	2.2	31
90	Bacterial and archaeal community distribution and stabilization of anaerobic sludge in a strengthen circulation anaerobic (SCA) reactor for municipal wastewater treatment. <i>Bioresource Technology</i> , 2017, 244, 750-758.	4.8	31

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91	Correlating microbial community structure with operational conditions in biological aerated filter reactor for efficient nitrogen removal of municipal wastewater. <i>Bioresource Technology</i> , 2018, 250, 374-381.	4.8	31
92	Phosphate recovery from aqueous solution via struvite crystallization based on electrochemical-decomposition of nature magnesite. <i>Journal of Cleaner Production</i> , 2021, 292, 126039.	4.6	31
93	Enhanced phosphorus recovery and biofilm microbial community changes in an alternating anaerobic/aerobic biofilter. <i>Chemosphere</i> , 2016, 144, 1797-1806.	4.2	30
94	A simple approach to fabricate of Ni-NiCo ₂ O ₄ @ZnCo ₂ O ₄ yolk-shell nano-tetrahedron composite as high-performance anode material for lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2018, 341, 601-609.	6.6	30
95	Causes and mechanisms on the toxicity of layered double hydroxide (LDH) to green algae <i>Scenedesmus quadricauda</i> . <i>Science of the Total Environment</i> , 2018, 635, 1004-1011.	3.9	30
96	Leaf-like 2D nanosheet as efficient oxygen reduction reaction catalyst for Zn-air battery. <i>Journal of Power Sources</i> , 2019, 434, 226717.	4.0	30
97	Morphology-controlled synthesis of hollow Si/C composites based on KI-assisted magnesiothermic reduction for high performance Li-ion batteries. <i>Applied Surface Science</i> , 2019, 481, 933-939.	3.1	30
98	A recyclable self-assembled composite catalyst consisting of Fe ₃ O ₄ -rose bengal-layered double hydroxides for highly efficient visible light photocatalysis in water. <i>Chemical Communications</i> , 2018, 54, 13587-13590.	2.2	29
99	Synthesis of magnetic recoverable electron-rich TCTA@PVP based conjugated polymer for photocatalytic water remediation and disinfection. <i>Separation and Purification Technology</i> , 2020, 250, 116954.	3.9	29
100	Performance and microbial community structures of hydrolysis acidification process treating azo and anthraquinone dyes in different stages. <i>Environmental Science and Pollution Research</i> , 2017, 24, 252-263.	2.7	28
101	Anaerobic biodegradation and decolorization of a refractory acid dye by a forward osmosis membrane bioreactor. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 272-280.	1.2	27
102	Effective degradation of carbamazepine using a novel electro-peroxone process involving simultaneous electrochemical generation of ozone and hydrogen peroxide. <i>Electrochemistry Communications</i> , 2018, 86, 26-29.	2.3	27
103	Organic Cotton Photocatalysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14759-14766.	3.2	27
104	Effects of dechlorination conditions on the developmental toxicity of a chlorinated saline primary sewage effluent: Excessive dechlorination is better than not enough. <i>Science of the Total Environment</i> , 2019, 692, 117-126.	3.9	27
105	Enhanced photoelectrocatalytic degradation of bisphenol A and simultaneous production of hydrogen peroxide in saline wastewater treatment. <i>Chemosphere</i> , 2019, 222, 141-148.	4.2	27
106	Robust Linear Programming and Its Application to Water and Environmental Decision-Making under Uncertainty. <i>Sustainability</i> , 2019, 11, 33.	1.6	27
107	Photocatalyst and additive-free visible light induced trifluoromethylation ^{â€} arylation of <i>N</i> -arylacrylamides with Umemoto's reagent. <i>Chemical Communications</i> , 2021, 57, 1030-1033.	2.2	27
108	Directed Aromatic C-H Activation/Acetoxylation Catalyzed by Pd Nanoparticles Supported on Graphene Oxide. <i>Organic Letters</i> , 2017, 19, 6470-6473.	2.4	26

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109	Sea urchin-like FeOOH functionalized electrochemical CNT filter for one-step arsenite decontamination. <i>Journal of Hazardous Materials</i> , 2021, 407, 124384.	6.5	26
110	Noble metal-free NiCo ₂ S ₄ /CN sheet-on-sheet heterostructure for highly efficient visible-light-driven photocatalytic hydrogen evolution. <i>Journal of Alloys and Compounds</i> , 2021, 853, 157284.	2.8	26
111	Coupling Mo ₂ C@C core-shell nanocrystals on 3D graphene hybrid aerogel for high-performance lithium ion battery. <i>Applied Surface Science</i> , 2018, 441, 69-76.	3.1	25
112	Reductive degradation of chlorinated organic pollutants-contaminated water by bimetallic Pd/Al nanoparticles: Effect of acidic condition and surfactants. <i>Chemical Engineering Journal</i> , 2013, 234, 346-353.	6.6	24
113	Degradation Characteristics of Color Index Direct Blue 15 Dye Using Iron-Carbon Micro-Electrolysis Coupled with H ₂ O ₂ . <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1523.	1.2	24
114	Gaseous bubble-assisted in-situ construction of worm-like porous g-C ₃ N ₄ with superior visible light photocatalytic performance. <i>Applied Catalysis A: General</i> , 2019, 573, 13-21.	2.2	24
115	Nickel dual-atom catalysts for the selective electrocatalytic debromination of tribromoacetic acid as a green chemistry process. <i>Chemical Engineering Journal</i> , 2022, 427, 131719.	6.6	24
116	Electro-oxidation of Ni (II)-citrate complexes at BDD electrode and simultaneous recovery of metallic nickel by electrodeposition. <i>Journal of Environmental Sciences</i> , 2022, 116, 103-113.	3.2	24
117	Synergistic effect of ferrous ion and copper oxide on the oxidative degradation of aqueous acetaminophen at acid conditions: A mechanism investigation. <i>Chemical Engineering Journal</i> , 2017, 326, 612-619.	6.6	23
118	N-doped foam flame retardant polystyrene derived porous carbon as an efficient scaffold for lithium-selenium battery with long-term cycling performance. <i>Chemical Engineering Journal</i> , 2018, 350, 411-418.	6.6	23
119	Photocatalyst- and additive-free decarboxylative alkylation of <i>N</i> -aryl tetrahydroisoquinolines induced by visible light. <i>Organic Chemistry Frontiers</i> , 2021, 8, 2473-2479.	2.3	23
120	Enhancing the adsorption function of biochar by mechanochemical graphitization for organic pollutant removal. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	3.3	23
121	Effective mineralization of anti-epilepsy drug carbamazepine in aqueous solution by simultaneously electro-generated H ₂ O ₂ /O ₃ process. <i>Electrochimica Acta</i> , 2018, 290, 203-210.	2.6	22
122	Identification, Formation, and Predicted Toxicity of Halogenated DBPs Derived from Tannic Acid and Its Biodegradation Products. <i>Environmental Science & Technology</i> , 2019, 53, 13019-13030.	4.6	22
123	Enhancement of municipal sludge dewaterability by electrochemical pretreatment. <i>Journal of Environmental Sciences</i> , 2019, 75, 98-104.	3.2	22
124	Convenient one-step fabrication and morphology evolution of thin-shelled honeycomb-like structured g-C ₃ N ₄ to significantly enhance photocatalytic hydrogen evolution. <i>Applied Surface Science</i> , 2020, 506, 145004.	3.1	22
125	Toxicity and biotransformation of bisphenol S in freshwater green alga <i>Chlorella vulgaris</i> . <i>Science of the Total Environment</i> , 2020, 747, 141144.	3.9	22
126	Surface modification of graphite by ion implantation for promoting the electrochemical property in Li-ion batteries. <i>Applied Surface Science</i> , 2019, 484, 726-731.	3.1	21

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127	Ultra-rapid detoxification of Sb(III) using a flow-through electro-fenton system. <i>Chemosphere</i> , 2020, 245, 125604.	4.2	21
128	Utilization of electrochemical treatment and surface reconstruction to achieve long lasting catalyst for NO _x removal. <i>Journal of Hazardous Materials</i> , 2021, 401, 123440.	6.5	21
129	Core-shell ZVI@carbon composites reduce phosphate inhibition of ZVI dissolution and enhance methane production in an anaerobic sewage treatment. <i>Water Research</i> , 2021, 199, 117197.	5.3	21
130	Synergistic effect of ball-milled Al micro-scale particles with vitamin B12 on the degradation of 2,2,4,4-tetrabromodiphenyl ether in liquid system. <i>Chemical Engineering Journal</i> , 2018, 333, 613-620.	6.6	20
131	Algal toxicity, accumulation and metabolic pathways of galaxolide. <i>Journal of Hazardous Materials</i> , 2020, 384, 121360.	6.5	20
132	Activated carbon modified with nano manganese dioxide triggered electron transport pathway changes for boosted anaerobic treatment of dyeing wastewater. <i>Environmental Research</i> , 2022, 203, 111944.	3.7	20
133	Performance evaluation of anaerobic baffled reactor (ABR) for treating alkali-decrement wastewater of polyester fabrics at incremental organic loading rates. <i>Water Science and Technology</i> , 2018, 77, 2445-2453.	1.2	19
134	Polydimethylsiloxane Sponge-Supported Nanometer Gold: Highly Efficient Recyclable Catalyst for Cross-Dehydrogenative Coupling in Water. <i>ChemSusChem</i> , 2018, 11, 3586-3590.	3.6	19
135	Broadband graphene-on-silicon modulator with orthogonal hybrid plasmonic waveguides. <i>Nanophotonics</i> , 2020, 9, 1529-1538.	2.9	19
136	Novel iron metal matrix composite reinforced by quartz sand for the effective dechlorination of aqueous 2-chlorophenol. <i>Chemosphere</i> , 2016, 146, 308-314.	4.2	18
137	Enhancement of Ni/NiO/graphitized carbon and β -Cyclodextrin/reduced graphene oxide for the electrochemical detection of norfloxacin in water sample. <i>Journal of Electroanalytical Chemistry</i> , 2019, 851, 113407.	1.9	18
138	Simultaneous Cr(VI) removal and bisphenol A degradation in a solar-driven photocatalytic fuel cell with dopamine modified carbon felt cathode. <i>Applied Surface Science</i> , 2019, 471, 912-920.	3.1	18
139	Design of a π -n heterojunction in OD/3D MoS ₂ /g-C ₃ N ₄ composite for boosting the efficient separation of photogenerated carriers with enhanced visible-light-driven H ₂ evolution. <i>RSC Advances</i> , 2020, 10, 19169-19177.	1.7	18
140	High-hydrophilic and antifouling reverse osmosis membrane prepared based an unconventional radiation method for pharmaceutical plant effluent treatment. <i>Separation and Purification Technology</i> , 2022, 280, 119838.	3.9	18
141	Black phosphorus (BP)-graphene guided-wave surface plasmon resonance (GWSPR) biosensor. <i>Nanophotonics</i> , 2020, 9, 4265-4272.	2.9	18
142	NiMn compound nanosheets for electrocatalytic water oxidation: effects of atomic structures and oxidation states. <i>Nanoscale</i> , 2020, 12, 2472-2478.	2.8	17
143	One-step phosphite removal by an electroactive CNT filter functionalized with TiO ₂ /CeO _x nanocomposites. <i>Science of the Total Environment</i> , 2020, 710, 135514.	3.9	17
144	Selective chelating precipitation of palladium metal from electroplating wastewater using chitosan and its derivative. <i>Adsorption Science and Technology</i> , 2020, 38, 113-126.	1.5	17

#	ARTICLE	IF	CITATIONS
145	Shaddock peel as a novel low-cost adsorbent for removal of methylene blue from dye wastewater. <i>Desalination and Water Treatment</i> , 2012, 39, 70-75.	1.0	16
146	Tuning the N-bonded cerium(Ce^{3+}) fraction/g-C ₃ N ₄ interface in hollow structures using an <i>in situ</i> reduction treatment for superior photochemical hydrogen evolution. <i>Catalysis Science and Technology</i> , 2019, 9, 5322-5332.	2.1	16
147	Toxic effects and metabolic fate of carbamazepine in diatom <i>Navicula</i> sp. as influenced by humic acid and nitrogen species. <i>Journal of Hazardous Materials</i> , 2019, 378, 120763.	6.5	16
148	Thermally activated epoxy-functionalized carbon as an electrocatalyst for efficient NO _x reduction. <i>Carbon</i> , 2021, 182, 516-524.	5.4	16
149	Continuous preparation of high performance flexible asymmetric supercapacitor with a very fast, low-cost, simple and scalable electrochemical co-deposition method. <i>Journal of Power Sources</i> , 2019, 437, 226827.	4.0	15
150	Activation of sodium persulfate by TiO ₂ @MIL-101(Fe): Boosting the Fenton-like process by interfacial charge transfer. <i>Chemosphere</i> , 2022, 288, 132666.	4.2	15
151	Durability and performance of loofah sponge as carrier for wastewater treatment with high ammonium. <i>Water Environment Research</i> , 2019, 91, 581-587.	1.3	13
152	Titania@Montmorillonite for the Photocatalytic Removal of Contaminants from Water: Adsorb & Shuttle Process. <i>Environmental Chemistry for A Sustainable World</i> , 2020, , 291-319.	0.3	13
153	Comparison of pollutant source tracking approaches: Heavy metals deposited on urban road surfaces as a case study. <i>Environmental Pollution</i> , 2020, 266, 115253.	3.7	13
154	The pathogenesis of rheumatoid arthritis is associated with milk or egg allergy. <i>North American Journal of Medical Sciences</i> , 2016, 8, 40.	1.7	13
155	Zero valent boron activated ozonation for ultra-fast degradation of organic pollutants: Atomic orbital matching, oxygen spillover and intra-electron transfer. <i>Chemical Engineering Journal</i> , 2022, 434, 134674.	6.6	13
156	Carbon-coated LiFePO ₄ synthesized by a simple solvothermal method. <i>CrystEngComm</i> , 2016, 18, 7537-7543.	1.3	12
157	Unveiling the activating mechanism of tea residue for boosting the biological decolorization performance of refractory dye. <i>Chemosphere</i> , 2019, 233, 110-119.	4.2	12
158	Inductive effect as a universal concept to design efficient catalysts for CO ₂ electrochemical reduction: electronegativity difference makes a difference. <i>Journal of Materials Chemistry A</i> , 2021, 9, 4626-4647.	5.2	12
159	The Current Status of Hazardous Waste Management in China: Identification, Distribution, and Treatment. <i>Environmental Engineering Science</i> , 2022, 39, 81-97.	0.8	12
160	A mechanically synthesized SiO ₂ @Fe metal matrix composite for effective dechlorination of aqueous 2-chlorophenol: the optimum of the preparation conditions. <i>RSC Advances</i> , 2016, 6, 76867-76873.	1.7	11
161	Enhanced photoelectrocatalytic breakdown of Cu-cyanide complexes and copper recovery using photoelectrogenerated free chlorine. <i>Electrochemistry Communications</i> , 2019, 100, 34-38.	2.3	11
162	Simultaneous achievement of refractory pollutant removal and energy production in the saline wastewater treatment. <i>Chemical Engineering Journal</i> , 2019, 369, 845-853.	6.6	11

#	ARTICLE	IF	CITATIONS
163	Characterizing community dynamics and exploring bacterial assemblages in two activated sludge systems. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 1795-1808.	1.7	11
164	Toxicity variability of urban road stormwater during storage processes in Shenzhen, China: Identification of primary toxicity contributors and implications for reuse safety. <i>Science of the Total Environment</i> , 2020, 745, 140964.	3.9	11
165	CuO NPs incorporated into electron-rich TCTA@PVP photoactive polymer for the photocatalytic oxidation of dyes and bacteria inactivation. <i>Journal of Water Process Engineering</i> , 2020, 36, 101238.	2.6	11
166	Phylogenetically divergent bacteria consortium from neutral activated sludge showed heightened potential on bioleaching spent lithium-ion batteries. <i>Ecotoxicology and Environmental Safety</i> , 2021, 223, 112592.	2.9	11
167	Separation of Fe from wastewater and its use for NO _x reduction; a sustainable approach for environmental remediation. <i>Chemosphere</i> , 2022, 303, 135103.	4.2	11
168	Effective degradation of refractory nitrobenzene in water by the natural 4-hydroxycoumarin under solar illumination. <i>Chemosphere</i> , 2019, 215, 199-205.	4.2	10
169	Influence of Soil Factors on the Stereoselective Fate of a Novel Chiral Insecticide, Paichongding, in Flooded Paddy Soils. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 8109-8117.	2.4	9
170	Batch sorption and fixed-bed elution for Pd recovery using stable amine-functionalized melamine sponge. <i>Journal of Cleaner Production</i> , 2022, 337, 130475.	4.6	9
171	Microbial reduction of bromate: current status and prospects. <i>Biodegradation</i> , 2019, 30, 365-374.	1.5	8
172	Highly efficient degradation of 2,2,4,4-tetrabromodiphenyl ether through combining surfactant-assisted ZnO reduction with subsequent Fenton oxidation. <i>Journal of Hazardous Materials</i> , 2020, 385, 121551.	6.5	8
173	Investigating toxicity of urban road deposited sediments using Chinese hamster ovary cells and <i>Chlorella Pyrenoidosa</i> . <i>Chemosphere</i> , 2020, 245, 125634.	4.2	8
174	Recovery phosphate and ammonium from aqueous solution by the process of electrochemically decomposing dolomite. <i>Chemosphere</i> , 2021, 262, 128357.	4.2	8
175	Species and formation characteristics of halogenated DBPs in chloramination of tannic acid after biodegradation. <i>Science of the Total Environment</i> , 2021, 781, 146690.	3.9	8
176	A novel membrane-promoted crystallization process integrating water recovery and salt production for brine management. <i>Chemical Engineering Journal</i> , 2022, 430, 133022.	6.6	8
177	Engineering 3D electron and ion transport channels by constructing sandwiched holey quaternary metal oxide nanosheets for high-performance flexible energy storage. <i>Science China Materials</i> , 2020, 63, 1719-1730.	3.5	7
178	Broadband Structured Light Multiplexing With Dielectric Meta-Optics. <i>Journal of Lightwave Technology</i> , 2021, 39, 2830-2836.	2.7	7
179	Impact of Biological Treatment Techniques on Perfluoroalkyl Acids Emissions in Municipal Sewage. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	6
180	Enhanced primary sludge sonication by heat insulation to reclaim carbon source for biological phosphorous removal. <i>Ultrasonics Sonochemistry</i> , 2017, 34, 123-129.	3.8	6

#	ARTICLE	IF	CITATIONS
181	Developing an equivalent toxicity area approach to comparing toxicity of urban road deposited sediments. <i>Environmental Pollution</i> , 2020, 257, 113588.	3.7	6
182	A Bifunctional Electroactive Ti ₄ O ₇ -Based Membrane System for Highly Efficient Ammonia Decontamination. <i>Catalysts</i> , 2020, 10, 383.	1.6	5
183	Crystallization kinetics of Na ₂ CO ₃ in Bayer aluminate solutions during the evaporation process. <i>CrystEngComm</i> , 2018, 20, 3722-3727.	1.3	4
184	Comparative toxicity of organic mixture attached to road deposited sediments: Inadequacy of conventionally using individual pollutants to assess comprehensive hazard effects. <i>Ecotoxicology and Environmental Safety</i> , 2019, 180, 357-365.	2.9	4
185	DOSIMETRIC EVALUATION OF LASER-DRIVEN X-RAY AND NEUTRON SOURCES UTILIZING XG-III PS LASER WITH PEAK POWER OF 300 TERAWATT. <i>Radiation Protection Dosimetry</i> , 2017, 177, 302-309.	0.4	3
186	Rethinking hydrocarbons build-up on urban roads: A perspective on volatilisation under global warming scenarios. <i>Environmental Pollution</i> , 2019, 252, 950-959.	3.7	3
187	Tea Residue Boosts Dye Decolorization and Induces the Evolution of Bacterial Community. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	3
188	Performance and microbial protein expression during anaerobic treatment of alkali-decrement wastewater using a strengthened circulation anaerobic reactor. <i>Bioresource Technology</i> , 2019, 273, 40-48.	4.8	3
189	Anaerobic Baffled Reactor (ABR) for Alkali-minimization Dyeing-printing Wastewater Biodegradation. , 2012, , .		2
190	Sodium-Ion Batteries: SnS ₂ Nanosheets Coating on Nanohollow Cubic CoS ₂ /C for Ultralong Life and High Rate Capability Half/Full Sodium-Ion Batteries (Small 41/2018). <i>Small</i> , 2018, 14, 1870187.	5.2	2
191	Factors influencing volatile hydrocarbon pollution in urban areas. <i>Emerging Contaminants</i> , 2019, 5, 288-296.	2.2	2
192	Isolation of Anaerobic Bromate-Reducing Bacteria Using Different Carbon Sources and Transcriptomic Insights From <i>Klebsiella variicola</i> Glu3. <i>Frontiers in Microbiology</i> , 2022, 13, 851844.	1.5	2
193	Enhanced bacterial inactivation by activated carbon modified with nano-sized silver oxides: Performance and mechanism. <i>Journal of Environmental Management</i> , 2022, 311, 114884.	3.8	2
194	Enhancing the adsorption function of F- by iron and zirconium doped zeolite: Characterization and parameter optimization. <i>Environmental Engineering Research</i> , 2023, 28, 220010-0.	1.5	2
195	The Third Contribution of Knowledge Management to Business Process. , 2007, , .		1
196	Application of central composite design to reveal resin deterioration during the removal of hexavalent chromium from wastewater. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 298-305.	1.2	1
197	Notice of Retraction: Influence of Organizational Boundary on Psychological Empowerment in Multi-organization Network. , 2009, , .		0
198	Readout system of the multi-level read-only disc using signal waveform modulation. , 2009, , .		0