

# Chin Pao Huang

## List of Publications by Year in descending order

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316  
papers

18,540  
citations

10389

72  
h-index

17105

122  
g-index

318  
all docs

318  
docs citations

318  
times ranked

17052  
citing authors

#	ARTICLE	IF	CITATIONS
1	A poly-(L-serine)/reduced graphene oxide@Nafion supported on glassy carbon (PLS/rGO@Nafion/GCE) electrode for the detection of naproxen in aqueous solutions. <i>Environmental Science and Pollution Research</i> , 2022, 29, 12450-12461.	5.3	9
2	Efficacy and cytotoxicity of engineered ferromanganese-bearing sludge-derived biochar for percarbonate-induced phthalate ester degradation. <i>Journal of Hazardous Materials</i> , 2022, 422, 126922.	12.4	31
3	Mesoporous zirconium pyrophosphate for the adsorption of fluoride from dilute aqueous solutions. <i>Chemical Engineering Journal</i> , 2022, 427, 132034.	12.7	12
4	The electrochemical oxidation of chloride on Pt-Ni-Co-G electrodes and its application in in-situ disinfection of water. <i>Chemical Engineering Journal</i> , 2022, 428, 132069.	12.7	5
5	Peroxymonosulfate activation by a metal-free biochar for sulfonamide antibiotic removal in water and associated bacterial community composition. <i>Bioresource Technology</i> , 2022, 343, 126082.	9.6	48
6	The role of reversible and polarizable surface charge in the electro-sorption of NaCl electrolyte onto activated carbon-graphite electrode. <i>Chemical Engineering Journal</i> , 2022, 430, 132862.	12.7	8
7	A visible-light sensitive MoSSe nanohybrid for the photocatalytic degradation of tetracycline, oxytetracycline, and chlortetracycline. <i>Journal of Colloid and Interface Science</i> , 2022, 616, 67-80.	9.4	50
8	N-doped metal-free biochar activation of peroxymonosulfate for enhancing the degradation of antibiotics sulfadiazine from aquaculture water and its associated bacterial community composition. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107172.	6.7	31
9	A Z-scheme NiCo <sub>2</sub> O <sub>4</sub> /S codoped 1D g-C <sub>3</sub> N <sub>4</sub> heterojunction for solar-light-sensitive photocatalytic degradation of antibiotics in aqueous solutions exemplified by tetracycline. <i>Environmental Science: Nano</i> , 2022, 9, 229-242.	4.3	20
10	Algae-derived metal-free boron-doped biochar as an efficient bioremediation pretreatment for persistent organic pollutants in marine sediments. <i>Journal of Cleaner Production</i> , 2022, 336, 130448.	9.3	46
11	Metal-free carbocatalysts derived from macroalga biomass ( <i>Ulva lactuca</i> ) for the activation of peroxymonosulfate toward the remediation of polycyclic aromatic hydrocarbons laden marine sediments and its impacts on microbial community. <i>Environmental Research</i> , 2022, 208, 112782.	7.5	25
12	Design and qualification of a bench-scale model for municipal waste-to-energy combustion. <i>Journal of the Air and Waste Management Association</i> , 2022, 72, 849-875.	1.9	0
13	Manipulating the morphology of 3D flower-like CoMn <sub>2</sub> O <sub>4</sub> bimetallic catalyst for enhancing the activation of peroxymonosulfate toward the degradation of selected persistent pharmaceuticals in water. <i>Chemical Engineering Journal</i> , 2022, 436, 135244.	12.7	52
14	N-doping modified zeolitic imidazole Framework-67 (ZIF-67) for enhanced peroxymonosulfate activation to remove ciprofloxacin from aqueous solution. <i>Separation and Purification Technology</i> , 2022, 288, 120719.	7.9	32
15	Exposure of <i>Goniopora columna</i> to polyethylene microplastics (PE-MPs): Effects of PE-MP concentration on extracellular polymeric substances and microbial community. <i>Chemosphere</i> , 2022, 297, 134113.	8.2	27
16	Degradation of 4-nonylphenol in marine sediments using calcium peroxide activated by water hyacinth ( <i>Eichhornia crassipes</i> )-derived biochar. <i>Environmental Research</i> , 2022, 211, 113076.	7.5	21
17	Performance and bacterial community dynamics of lignin-based biochar-coupled calcium peroxide pretreatment of waste-activated sludge for the removal of 4-nonylphenol. <i>Bioresource Technology</i> , 2022, 354, 127166.	9.6	23
18	Suppression of polycyclic aromatic hydrocarbon formation during pyrolytic production of lignin-based biochar via nitrogen and boron co-doping. <i>Bioresource Technology</i> , 2022, 355, 127246.	9.6	16

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19	Ecological responses of coral reef to polyethylene microplastics in community structure and extracellular polymeric substances. <i>Environmental Pollution</i> , 2022, 307, 119522.	7.5	20
20	Z-Scheme MoS <sub>2</sub> /TiO <sub>2</sub> /graphene nanohybrid photocatalysts for visible light-induced degradation for highly efficient water disinfection and antibacterial activity. <i>New Journal of Chemistry</i> , 2022, 46, 14159-14169.	2.8	9
21	Enhancing arsenic (III) removal by integrated electrocatalytic oxidation and electrosorption reactions on nano-textured bimetal composite of iron oxyhydroxide and manganese dioxide polymorphs (Î±-, Î³-, Î²-, and Î¼-MnxFe1-xO). <i>Applied Catalysis B: Environmental</i> , 2022, 317, 121757.	20.2	8
22	Removal of 4-nonylphenol in activated sludge by peroxymonosulfate activated with sorghum distillery residue-derived biochar. <i>Bioresource Technology</i> , 2022, 360, 127564.	9.6	20
23	CoO-3D ordered mesoporous carbon nitride (CoO@mpgCN) composite as peroxymonosulfate activator for the degradation of sulfamethoxazole in water. <i>Journal of Hazardous Materials</i> , 2021, 401, 123326.	12.4	51
24	Green synthesis of nano-silver-titanium nanotube array (Ag/TNA) composite for concurrent ibuprofen degradation and hydrogen generation. <i>Chemosphere</i> , 2021, 264, 128407.	8.2	22
25	Effects of biochar on catalysis treatment of 4-nonylphenol in estuarine sediment and associated microbial community structure. <i>Environmental Pollution</i> , 2021, 268, 115673.	7.5	42
26	Permselective membranes for wastewater treatment. , 2021, , 181-204.		0
27	The recovery of sulfuric acid from spent piranha solution over a dimensionally stable anode (DSA) Ti-RuO <sub>2</sub> electrode. <i>Journal of Hazardous Materials</i> , 2021, 406, 124658.	12.4	19
28	The degradation of di-(2-ethylhexyl) phthalate, DEHP, in sediments using percarbonate activated by seaweed biochars and its effects on the benthic microbial community. <i>Journal of Cleaner Production</i> , 2021, 292, 126108.	9.3	41
29	Production and characterization of a high value-added seaweed-derived biochar: Optimization of pyrolysis conditions and evaluation for sediment treatment. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 155, 105071.	5.5	32
30	The Role of Biochar in Regulating the Carbon, Phosphorus, and Nitrogen Cycles Exemplified by Soil Systems. <i>Sustainability</i> , 2021, 13, 5612.	3.2	39
31	Recent Advances in Carbon Dioxide Conversion: A Circular Bioeconomy Perspective. <i>Sustainability</i> , 2021, 13, 6962.	3.2	2
32	Combustion operating conditions for municipal Waste-to-Energy facilities in the U.S.. <i>Waste Management</i> , 2021, 132, 124-132.	7.4	12
33	Adsorption characteristics of tetracycline onto particulate polyethylene in dilute aqueous solutions. <i>Environmental Pollution</i> , 2021, 285, 117398.	7.5	23
34	Process optimization for the synthesis of ceramsites in terms of mechanical strength and phosphate adsorption capacity. <i>Chemosphere</i> , 2021, 278, 130239.	8.2	4
35	Activation of peroxymonosulfate by nitrogen-doped carbocatalysts derived from brown algal ( <i>Sargassum duplicatum</i> ) for the degradation of polycyclic aromatic hydrocarbons in marine sediments. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106420.	6.7	24
36	Remediation of contaminated dredged harbor sediments by combining hydrodynamic cavitation, hydrocyclone, and persulfate oxidation process. <i>Journal of Hazardous Materials</i> , 2021, 420, 126594.	12.4	22

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37	Degradation of organic contaminants in marine sediments by peroxymonosulfate over LaFeO <sub>3</sub> nanoparticles supported on water caltrop shell-derived biochar and the associated microbial community responses. <i>Journal of Hazardous Materials</i> , 2021, 420, 126553.	12.4	42
38	Hydrodynamic cavitation activation of persulfate for the degradation of polycyclic aromatic hydrocarbons in marine sediments. <i>Environmental Pollution</i> , 2021, 286, 117245.	7.5	23
39	The electrosorption characteristics of simple aqueous ions on loofah-derived activated carbon decorated with manganese dioxide polymorphs: The effect of pseudocapacitance and beyond. <i>Chemical Engineering Journal</i> , 2021, 425, 130606.	12.7	12
40	Transformation of copper oxide nanoparticles as affected by ionic strength and its effects on the toxicity and bioaccumulation of copper in zebrafish embryo. <i>Ecotoxicology and Environmental Safety</i> , 2021, 225, 112759.	6.0	13
41	Visible-light photodegradation of sulfamethoxazole (SMX) over Ag-P-codoped g-C <sub>3</sub> N <sub>4</sub> (Ag-P@UCN) photocatalyst in water. <i>Chemical Engineering Journal</i> , 2020, 384, 123383.	12.7	94
42	The role of fluoroaluminate complexes on the adsorption of fluoride onto hydrous alumina in aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2020, 561, 275-286.	9.4	23
43	Electrochemical nitrate reduction as affected by the crystal morphology and facet of copper nanoparticles supported on nickel foam electrodes (Cu/Ni). <i>Chemical Engineering Journal</i> , 2020, 383, 123157.	12.7	107
44	Loofah-derived activated carbon supported on nickel foam (AC/Ni) electrodes for the electro-sorption of ammonium ion from aqueous solutions. <i>Chemosphere</i> , 2020, 242, 125259.	8.2	22
45	The removal of phosphate by thermally treated red mud from water: The effect of surface chemistry on phosphate immobilization. <i>Chemosphere</i> , 2020, 247, 125867.	8.2	32
46	Electrochemically-driven dosing of iron (II) for autonomous electro-Fenton processes with in situ generation of H <sub>2</sub> O <sub>2</sub> . <i>Journal of Electroanalytical Chemistry</i> , 2020, 856, 113639.	3.8	13
47	Degradation of phthalate esters in marine sediments by persulfate over Fe@Ce/biochar composites. <i>Chemical Engineering Journal</i> , 2020, 384, 123301.	12.7	77
48	Assessing the potential effect of extreme weather on water quality and disinfection by-product formation using laboratory simulation. <i>Water Research</i> , 2020, 170, 115296.	11.3	23
49	Enhancing electrochemical nitrate reduction toward dinitrogen selectivity on Sn-Pd bimetallic electrodes by surface structure design. <i>Applied Catalysis A: General</i> , 2020, 606, 117809.	4.3	20
50	The removal of polycyclic aromatic hydrocarbons (PAHs) from marine sediments using persulfate over a nano-sized iron composite of magnetite and carbon black activator. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104440.	6.7	48
51	Electrolytic characteristics of ammonia oxidation in real aquaculture water using nano-textured mono-and bimetal oxide catalysts supported on graphite electrodes. <i>Electrochimica Acta</i> , 2020, 360, 136990.	5.2	17
52	Hazardous wastes treatment technologies. <i>Water Environment Research</i> , 2020, 92, 1833-1860.	2.7	10
53	Manipulating the crystalline morphology and facet orientation of copper and copper-palladium nanocatalysts supported on stainless steel mesh with the aid of cationic surfactant to improve the electrochemical reduction of nitrate and N <sub>2</sub> selectivity. <i>Applied Catalysis B: Environmental</i> , 2020, 273, 119053.	20.2	57
54	Fe-Cu bimetallic catalyst for the degradation of hazardous organic chemicals exemplified by methylene blue in Fenton-like reaction. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104139.	6.7	37

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55	Biochar derived from red algae for efficient remediation of 4-nonylphenol from marine sediments. <i>Chemosphere</i> , 2020, 254, 126916.	8.2	61
56	Activation of percarbonate by water treatment sludge-derived biochar for the remediation of PAH-contaminated sediments. <i>Environmental Pollution</i> , 2020, 265, 114914.	7.5	57
57	Electrochemical analysis of naproxen in water using poly(l-serine)-modified glassy carbon electrode. <i>Chemosphere</i> , 2020, 254, 126686.	8.2	26
58	Catalytic degradation of chlorpheniramine over GO-Fe <sub>3</sub> O <sub>4</sub> in the presence of H <sub>2</sub> O <sub>2</sub> in water: The synergistic effect of adsorption. <i>Science of the Total Environment</i> , 2020, 736, 139468.	8.0	22
59	Photocatalytic degradation of bisphenol A over a ZnFe <sub>2</sub> O <sub>4</sub> /TiO <sub>2</sub> nanocomposite under visible light. <i>Science of the Total Environment</i> , 2019, 646, 745-756.	8.0	182
60	Enhanced catalytic reduction of nitrophenols by sodium borohydride over highly recyclable Au@graphitic carbon nitride nanocomposites. <i>Applied Catalysis B: Environmental</i> , 2019, 240, 337-347.	20.2	153
61	Cobalt-impregnated biochar (Co-SCG) for heterogeneous activation of peroxymonosulfate for removal of tetracycline in water. <i>Bioresource Technology</i> , 2019, 292, 121954.	9.6	95
62	Hazardous waste treatment technologies. <i>Water Environment Research</i> , 2019, 91, 1177-1198.	2.7	21
63	Mode of electrochemical deposition on the structure and morphology of bimetallic electrodes and its effect on nitrate reduction toward nitrogen selectivity. <i>Applied Catalysis B: Environmental</i> , 2019, 257, 117909.	20.2	59
64	Application of red-mud based ceramic media for phosphate uptake from water and evaluation of their effects on growth of <i>Iris latifolia</i> seedling. <i>Science of the Total Environment</i> , 2019, 688, 724-731.	8.0	17
65	The adsorption characteristics of fluoride on commercial activated carbon treated with quaternary ammonium salts (Quats). <i>Science of the Total Environment</i> , 2019, 693, 133605.	8.0	30
66	The degradation of phthalate esters in marine sediments by persulfate over iron-cerium oxide catalyst. <i>Science of the Total Environment</i> , 2019, 696, 133973.	8.0	71
67	Catalytic Electrochemical Reduction of Perchlorate over Rh-Cu/SS and Rh-Ru/SS Electrodes in Dilute Aqueous Solution. <i>Journal of Environmental Engineering, ASCE</i> , 2019, 145, .	1.4	9
68	Electrochemical degradation of oxalic acid over highly reactive nano-textured $\beta$ - and $\gamma$ -MnO <sub>2</sub> /carbon electrode fabricated by KMnO <sub>4</sub> reduction on loofah sponge-derived active carbon. <i>Journal of Hazardous Materials</i> , 2019, 379, 120759.	12.4	27
69	Electro-sorption of ammonium ion onto nickel foam supported highly microporous activated carbon prepared from agricultural residues (dried <i>Luffa cylindrica</i> ). <i>Science of the Total Environment</i> , 2019, 673, 296-305.	8.0	24
70	The effect of crystal phase of manganese oxide on the capacitive deionization of simple electrolytes. <i>Science of the Total Environment</i> , 2019, 675, 31-40.	8.0	14
71	Activation of persulfate by CoO nanoparticles loaded on 3D mesoporous carbon nitride (CoO@meso-CN) for the degradation of methylene blue (MB). <i>Science of the Total Environment</i> , 2019, 675, 531-541.	8.0	83
72	Preparation of a magnetic reduced-graphene oxide/tea waste composite for high-efficiency sorption of uranium. <i>Scientific Reports</i> , 2019, 9, 6471.	3.3	22

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73	Variables governing the initial stages of the synergisms of ultrasonic treatment of biochar in water with dissolved CO <sub>2</sub> . <i>Fuel</i> , 2019, 235, 1131-1145.	6.4	21
74	Toward concurrent organics removal and potential hydrogen production in wastewater treatment: Photoelectrochemical decolorization of methylene blue over hematite electrode in the presence of Mn(II). <i>Applied Catalysis B: Environmental</i> , 2019, 244, 140-149.	20.2	14
75	Graphite Supported Stainless-Steel Electrode for the Degradation of Azo Dye Orange G by Fenton Reactions: Effect of Photo-Irradiation. <i>Journal of Environmental Engineering, ASCE</i> , 2019, 145, 04018133.	1.4	4
76	A dual TiO <sub>2</sub> /Ti-stainless steel anode for the degradation of orange G in a coupling photoelectrochemical and photo-electro-Fenton system. <i>Science of the Total Environment</i> , 2019, 659, 221-229.	8.0	36
77	Performance evaluation of integrated adsorption-nanofiltration system for emerging compounds removal: Exemplified by caffeine, diclofenac and octylphenol. <i>Journal of Environmental Management</i> , 2019, 231, 121-128.	7.8	39
78	Adsorption characteristics of ammonium ion onto hydrous biochars in dilute aqueous solutions. <i>Bioresource Technology</i> , 2019, 272, 465-472.	9.6	79
79	Electrochemical in-situ hydrogen peroxide generation in a packed-bed reactor for Fenton oxidation of p-nitrophenol in aqueous solution. <i>Chemical Engineering Research and Design</i> , 2019, 123, 161-168.	5.6	13
80	Uptake of BDE-209 on zebrafish embryos as affected by SiO <sub>2</sub> nanoparticles. <i>Chemosphere</i> , 2018, 205, 570-578.	8.2	16
81	Application of mathematical modeling and electrochemical iron dosing strategies to improve the treatment performance of the electro-Fenton process. <i>Journal of Cleaner Production</i> , 2018, 181, 437-448.	9.3	19
82	A seasonal observation on the distribution of engineered nanoparticles in municipal wastewater treatment systems exemplified by TiO <sub>2</sub> and ZnO. <i>Science of the Total Environment</i> , 2018, 625, 1321-1329.	8.0	61
83	Electrocatalytic ammonia oxidation over a nickel foam electrode: Role of Ni(OH) <sub>2</sub> (s)-NiOOH(s) nanocatalysts. <i>Electrochimica Acta</i> , 2018, 263, 261-271.	5.2	126
84	Graphene Oxide-Cellulose Composite for the Adsorption of Uranium(VI) from Dilute Aqueous Solutions. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2018, 22, 04017029.	2.0	18
85	Nano-hematite bagasse composite (n-HBC) for the removal of Pb(II) from dilute aqueous solutions. <i>Journal of Water Process Engineering</i> , 2018, 21, 69-76.	5.6	15
86	Adsorption of Nonylphenol to Multi-Walled Carbon Nanotubes: Kinetics and Isotherm Study. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2295.	2.5	15
87	Hazardous Wastes Treatment Technologies. <i>Water Environment Research</i> , 2018, 90, 1679-1719.	2.7	2
88	Influence of Algae Age and Population on the Response to TiO <sub>2</sub> Nanoparticles. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 585.	2.6	11
89	In-situ electrochemical formation of nickel oxyhydroxide (NiOOH) on metallic nickel foam electrode for the direct oxidation of ammonia in aqueous solution. <i>Electrochimica Acta</i> , 2018, 281, 410-419.	5.2	66
90	A hierarchical porous adsorbent of nano- $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> /Fe <sub>3</sub> O <sub>4</sub> on bamboo biochar (HPA-Fe/C-B) for the removal of phosphate from water. <i>Journal of Water Process Engineering</i> , 2018, 25, 96-104.	5.6	40

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91	Facile preparation and adsorption performance of graphene oxide-manganese oxide composite for uranium. <i>Scientific Reports</i> , 2018, 8, 9058.	3.3	34
92	Nanostructure-induced colored TiO <sub>2</sub> array photoelectrodes with full solar spectrum harvesting. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3145-3151.	10.3	19
93	Regeneration of spent carbon nanotubes by electrochemical oxidation over RuO <sub>2</sub> /Ti electrode. <i>Separation and Purification Technology</i> , 2017, 178, 207-214.	7.9	13
94	Looking for engineered nanoparticles (ENPs) in wastewater treatment systems: Qualification and quantification aspects. <i>Science of the Total Environment</i> , 2017, 590-591, 809-817.	8.0	36
95	Characteristics of elemental carbon overlayers over hematite electrodes prepared by electrodeposition with organic acid additives. <i>Applied Catalysis B: Environmental</i> , 2017, 207, 1-8.	20.2	13
96	The Synergistic Effect of Photoelectrochemical (PEC) Reactions Exemplified by Concurrent Perfluorooctanoic acid (PFOA) Degradation and Hydrogen Generation over Carbon and Nitrogen codoped TiO <sub>2</sub> Nanotube Arrays (C-N-TNTAs) photoelectrode. <i>Applied Catalysis B: Environmental</i> , 2017, 209, 437-446.	20.2	72
97	Transport characteristics and removal efficiency of copper ions in the electro dialysis process under electroconvection operation. <i>Chemical Engineering Research and Design</i> , 2017, 112, 235-242.	5.6	5
98	Characterization of titanium dioxide nanoparticle removal in simulated drinking water treatment processes. <i>Science of the Total Environment</i> , 2017, 601-602, 886-894.	8.0	27
99	Teratogenic responses of zebrafish embryos to decabromodiphenyl ether (BDE-209) in the presence of nano-SiO <sub>2</sub> particles. <i>Chemosphere</i> , 2017, 178, 449-457.	8.2	24
100	Oxidation of ammonia in dilute aqueous solutions over graphite-supported $\beta$ - and $\gamma$ -lead dioxide electrodes (PbO <sub>2</sub> @G). <i>Electrochimica Acta</i> , 2017, 257, 444-454.	5.2	69
101	Effect of Mg(II) on the Removal of Uranium from Low Radioactive Wastewater by Flocculation Using Polyacrylamide. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2017, 21, .	2.0	6
102	Preparation of graphene oxide-chitosan composite and adsorption performance for uranium. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 313, 371-378.	1.5	50
103	Recovery of perfluorooctane sulfonate (PFOS) and perfluorooctanoate (PFOA) from dilute water solution by foam flotation. <i>Separation and Purification Technology</i> , 2017, 173, 280-285.	7.9	63
104	Different modes of synergistic toxicities between metam/copper (II) and metam/zinc (II) in HepG2 cells: apoptosis vs. necrosis. <i>Environmental Toxicology</i> , 2016, 31, 1964-1973.	4.0	16
105	New Insights into Defect-Mediated Heterostructures for Photoelectrochemical Water Splitting. <i>Advanced Energy Materials</i> , 2016, 6, 1502268.	19.5	95
106	Photoelectrochemical degradation of dye wastewater on TiO <sub>2</sub> -coated titanium electrode prepared by electrophoretic deposition. <i>Separation and Purification Technology</i> , 2016, 165, 145-153.	7.9	28
107	Adsorption characteristics of nano-TiO <sub>2</sub> onto zebrafish embryos and its impacts on egg hatching. <i>Chemosphere</i> , 2016, 154, 109-117.	8.2	17
108	Enhanced photoelectrochemical water splitting efficiency of hematite electrodes with aqueous metal ions as in situ homogenous surface passivation agents. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 29300-29307.	2.8	6

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109	Substitution Boosts Charge Separation for High Solar-Driven Photocatalytic Performance. ACS Applied Materials & Interfaces, 2016, 8, 26783-26793.	8.0	39
110	An activated carbon fiber cathode for the degradation of glyphosate in aqueous solutions by the Electro-Fenton mode: Optimal operational conditions and the deposition of iron on cathode on electrode reusability. Water Research, 2016, 105, 575-582.	11.3	99
111	Hazardous Waste Treatment Technologies. Water Environment Research, 2016, 88, 1467-1486.	2.7	18
112	The electrodeless preparation of M (M=Pt, Pd, Ru, Cu) NiCo oxide/graphite electrodes for the electrochemical inactivation of Escherichia coli. Sustainable Environment Research, 2016, 26, 1-13.	4.2	6
113	Efficient sonochemical degradation of perfluorooctanoic acid using periodate. Ultrasonics Sonochemistry, 2016, 31, 499-505.	8.2	106
114	The electrochemical reduction of nitrate over micro-architected metal electrodes with stainless steel scaffold. Applied Catalysis B: Environmental, 2016, 180, 199-209.	20.2	112
115	The synthesis, characterization, and application of a platinum modified graphite electrode (Pt/G) exemplified by chloride oxidation. Separation and Purification Technology, 2015, 156, 961-971.	7.9	12
116	Formation of Bi <sub>2</sub> WO <sub>6</sub> Bipyramids with Vacancy Pairs for Enhanced Solar-Driven Photoactivity. Advanced Functional Materials, 2015, 25, 3726-3734.	14.9	155
117	Interactions between nano-TiO <sub>2</sub> particles and algal cells at moderate particle concentration. Frontiers of Chemical Science and Engineering, 2015, 9, 242-257.	4.4	19
118	The short-term toxic effects of TiO <sub>2</sub> nanoparticles toward bacteria through viability, cellular respiration, and lipid peroxidation. Environmental Science and Pollution Research, 2015, 22, 17917-17924.	5.3	62
119	Hazardous Waste Treatment Technologies. Water Environment Research, 2015, 87, 1445-1470.	2.7	1
120	Functionalized activated carbon for the adsorptive removal of perchlorate from water solutions. Frontiers of Chemical Science and Engineering, 2015, 9, 194-208.	4.4	21
121	Inhibition of bacteria by photocatalytic nano-TiO <sub>2</sub> particles in the absence of light. International Journal of Environmental Science and Technology, 2015, 12, 2987-2996.	3.5	27
122	Preparation and characterization of functionalized poly(vinyl chloride) membranes for selective separation of perchlorate from water. Journal of Membrane Science, 2015, 476, 561-570.	8.2	17
123	Hazardous Waste Treatment Technologies. Water Environment Research, 2014, 86, 1614-1643.	2.7	0
124	Specific chemical interactions between metal ions and biological solids exemplified by sludge particulates. Bioresource Technology, 2014, 160, 32-42.	9.6	9
125	Effects of nano-TiO <sub>2</sub> on the agronomically-relevant Rhizobium-legume symbiosis. Science of the Total Environment, 2014, 466-467, 503-512.	8.0	100
126	Effects of nano-ZnO on the agronomically relevant Rhizobium-legume symbiosis. Science of the Total Environment, 2014, 497-498, 78-90.	8.0	67



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127	A solar cell driven electrochemical process for the concurrent reduction of carbon dioxide and degradation of azo dye in dilute KHCO <sub>3</sub> electrolyte. Separation and Purification Technology, 2013, 117, 3-11.	7.9	21
128	Green technologies for the purification/renovation of impaired water. Separation and Purification Technology, 2013, 117, 1-2.	7.9	0
129	Combined ultrasound and Fenton (US-Fenton) process for the treatment of ammunition wastewater. Journal of Hazardous Materials, 2013, 244-245, 403-411.	12.4	71
130	Promoted degradation of perfluorooctanic acid by persulfate when adding activated carbon. Journal of Hazardous Materials, 2013, 261, 463-469.	12.4	129
131	Tuning the adsorption capability of multi-walled carbon nanotubes to polar and non-polar organic compounds by surface oxidation. Separation and Purification Technology, 2013, 117, 98-103.	7.9	24
132	A polymeric membrane electrode for the detection of perchlorate in water at the sub-micro-molar level. Analytical Methods, 2013, 5, 3530.	2.7	7
133	Hazardous Waste Treatment Technologies. Water Environment Research, 2013, 85, 1646-1677.	2.7	0
134	A New Photocatalytic System Using Steel Mesh and Cold Cathode Fluorescent Light for the Decolorization of Azo Dye Orange G. International Journal of Photoenergy, 2012, 2012, 1-9.	2.5	2
135	Indirect Electrochemical Oxidation of Chlorophenols in Dilute Aqueous Solutions. Journal of Environmental Engineering, ASCE, 2012, 138, 375-385.	1.4	15
136	Hazardous Waste Treatment Technologies. Water Environment Research, 2012, 84, 1586-1605.	2.7	0
137	Photoelectrochemical degradation of azo dye over pulsed laser deposited nitrogen-doped TiO <sub>2</sub> thin film. Applied Catalysis B: Environmental, 2012, 125, 465-472.	20.2	40
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