

Chin Pao Huang

List of Publications by Year in descending order

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316
papers

18,540
citations

10351

72
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17055

122
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318
all docs

318
docs citations

318
times ranked

17052
citing authors

#	ARTICLE	IF	CITATIONS
1	Size dependency of nanocrystalline TiO ₂ on its optical property and photocatalytic reactivity exemplified by 2-chlorophenol. <i>Applied Catalysis B: Environmental</i> , 2006, 68, 1-11.	10.8	775
2	Specific adsorption of cations on hydrous γ -Al ₂ O ₃ . <i>Journal of Colloid and Interface Science</i> , 1973, 43, 409-420.	5.0	484
3	Electrochemical generation of hydrogen peroxide from dissolved oxygen in acidic solutions. <i>Water Research</i> , 2002, 36, 85-94.	5.3	432
4	Advanced chemical oxidation: Its present role and potential future in hazardous waste treatment. <i>Waste Management</i> , 1993, 13, 361-377.	3.7	427
5	Nitrate reduction by metallic iron. <i>Water Research</i> , 1998, 32, 2257-2264.	5.3	427
6	Competitive Adsorption of Heavy Metals by Soils. <i>Journal of Environmental Quality</i> , 1986, 15, 214-219.	1.0	367
7	Optimization of Fenton process for the treatment of landfill leachate. <i>Journal of Hazardous Materials</i> , 2005, 125, 166-174.	6.5	342
8	The adsorption of heavy metals onto hydrous activated carbon. <i>Water Research</i> , 1987, 21, 1031-1044.	5.3	339
9	Effects of pore structure and temperature on VOC adsorption on activated carbon. <i>Carbon</i> , 2001, 39, 523-534.	5.4	329
10	Visible-light sensitive cobalt-doped BiVO ₄ (Co-BiVO ₄) photocatalytic composites for the degradation of methylene blue dye in dilute aqueous solutions. <i>Applied Catalysis B: Environmental</i> , 2010, 99, 214-221.	10.8	285
11	Optimizing the treatment of landfill leachate by conventional Fenton and photo-Fenton processes. <i>Science of the Total Environment</i> , 2009, 407, 3473-3481.	3.9	281
12	The removal of Cu(II) from dilute aqueous solutions by <i>Saccharomyces cerevisiae</i> . <i>Water Research</i> , 1990, 24, 433-439.	5.3	269
13	2,4-Dichlorophenol Oxidation Kinetics by Fenton's Reagent. <i>Environmental Technology (United Kingdom)</i> 11:12 1079-1084	1.2	251
14	Size dependence of thermal stability of TiO ₂ nanoparticles. <i>Journal of Applied Physics</i> , 2004, 96, 6663-6668.	1.1	250
15	Electrochemical regeneration of Fe ²⁺ in Fenton oxidation processes. <i>Water Research</i> , 2003, 37, 1308-1319.	5.3	231
16	Adsorption of Mercury(II) by Soil: Effects of pH, Chloride, and Organic Matter. <i>Journal of Environmental Quality</i> , 1996, 25, 837-844.	1.0	225
17	The removal of chromium(VI) from dilute aqueous solution by activated carbon. <i>Water Research</i> , 1977, 11, 673-679.	5.3	217
18	Kinetics of Mercury(II) Adsorption and Desorption on Soil. <i>Environmental Science & Technology</i> , 1997, 31, 496-503.	4.6	200

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19	The surface acidity and characterization of some commercial activated carbons. <i>Carbon</i> , 1987, 25, 569-578.	5.4	188
20	Adsorption characteristics of some Cu(II) complexes on aluminosilicates. <i>Water Research</i> , 1981, 15, 849-855.	5.3	184
21	Photocatalytic degradation of bisphenol A over a ZnFe ₂ O ₄ /TiO ₂ nanocomposite under visible light. <i>Science of the Total Environment</i> , 2019, 646, 745-756.	3.9	182
22	Application of <i>Aspergillus oryzae</i> and <i>Rhizopus oryzae</i> for Cu(II) removal. <i>Water Research</i> , 1996, 30, 1985-1990.	5.3	176
23	Band gap tailoring of Nd ³⁺ -doped TiO ₂ nanoparticles. <i>Applied Physics Letters</i> , 2003, 83, 4143-4145.	1.5	168
24	The surface characteristics of activated carbon as affected by ozone and alkaline treatment. <i>Chemosphere</i> , 2002, 47, 257-265.	4.2	166
25	Adsorption of arsenic(V) by activated carbon prepared from oat hulls. <i>Chemosphere</i> , 2005, 61, 478-483.	4.2	165
26	Formation of Bi ₂ WO ₆ Bipyramids with Vacancy Pairs for Enhanced Solar-Driven Photoactivity. <i>Advanced Functional Materials</i> , 2015, 25, 3726-3734.	7.8	155
27	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.	10.8	153
28	Oxidation of single-walled carbon nanotubes in dilute aqueous solutions by ozone as affected by ultrasound. <i>Carbon</i> , 2008, 46, 466-475.	5.4	150
29	Predicting Soil-Water Partition Coefficients for Cadmium. <i>Environmental Science & Technology</i> , 1996, 30, 3418-3424.	4.6	147
30	The adsorption characteristics of Cu(II) in the presence of chelating agents. <i>Journal of Colloid and Interface Science</i> , 1979, 70, 29-45.	5.0	135
31	Adsorption characteristics of metal-EDTA complexes onto hydrous oxides. <i>Journal of Colloid and Interface Science</i> , 1986, 110, 575-590.	5.0	135
32	Factors affecting the distribution of heavy metals in wastewater treatment processes: role of sludge particulate. <i>Water Science and Technology</i> , 2001, 44, 47-52.	1.2	134
33	Adsorption characteristics of Zn(II) from dilute aqueous solution by fly ash. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 247, 137-143.	2.3	134
34	Promoted degradation of perfluorooctanic acid by persulfate when adding activated carbon. <i>Journal of Hazardous Materials</i> , 2013, 261, 463-469.	6.5	129
35	Photocatalyzed oxidation pathways of 2,4-dichlorophenol by CdS in basic and acidic aqueous solutions. <i>Water Research</i> , 1995, 29, 745-756.	5.3	128
36	Electrocatalytic ammonia oxidation over a nickel foam electrode: Role of Ni(OH) ₂ (s)-NiOOH(s) nanocatalysts. <i>Electrochimica Acta</i> , 2018, 263, 261-271.	2.6	126

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37	Responses of algae to photocatalytic nano-TiO ₂ particles with an emphasis on the effect of particle size. <i>Chemical Engineering Journal</i> , 2011, 170, 538-546.	6.6	117
38	Treatment of Metal Industrial Wastewater by Fly Ash and Cement Fixation. <i>Journal of Environmental Engineering, ASCE</i> , 1994, 120, 1470-1487.	0.7	115
39	Synthesis of visible-light sensitive BiVO ₄ (M=Ag, Co, and Ni) for the photocatalytic degradation of organic pollutants. <i>Separation and Purification Technology</i> , 2011, 77, 275-282.	3.9	114
40	The electrochemical reduction of nitrate over micro-architected metal electrodes with stainless steel scaffold. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 199-209.	10.8	112
41	Adsorption of Cr(VI) onto TiO ₂ from dilute aqueous solutions. <i>Water Science and Technology</i> , 1997, 35, 55-62.	1.2	110
42	Factors affecting the photocatalytic degradation of dichlorvos over titanium dioxide supported on glass. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1993, 76, 103-110.	2.0	108
43	Hydrogen peroxide-assisted photocatalytic oxidation of phenolic compounds. <i>Applied Catalysis B: Environmental</i> , 2005, 59, 99-104.	10.8	108
44	Adsorption Characteristics of Dye onto Sludge Particulates. <i>Journal of Colloid and Interface Science</i> , 1998, 208, 518-528.	5.0	107
45	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.	6.6	107
46	Efficient sonochemical degradation of perfluorooctanoic acid using periodate. <i>Ultrasonics Sonochemistry</i> , 2016, 31, 499-505.	3.8	106
47	Separation of furans and carboxylic acids from sugars in dilute acid rice straw hydrolyzates by nanofiltration. <i>Bioresource Technology</i> , 2010, 101, 4889-4894.	4.8	101
48	Effects of nano-TiO ₂ on the agronomically-relevant Rhizobium-legume symbiosis. <i>Science of the Total Environment</i> , 2014, 466-467, 503-512.	3.9	100
49	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. <i>Water Research</i> , 2016, 105, 575-582.	5.3	99
50	Adsorption of Heavy Metals by Silicon and Aluminum Oxide Surfaces on Clay Minerals. <i>Soil Science Society of America Journal</i> , 1990, 54, 679-688.	1.2	97
51	Adsorption Characteristics of Fluoride onto Hydrous Alumina. <i>Journal of Environmental Engineering, ASCE</i> , 1986, 112, 1054-1069.	0.7	96
52	Humic and Fulvic Acid Adsorption by Silicon and Aluminum Oxide Surfaces on Clay Minerals. <i>Soil Science Society of America Journal</i> , 1991, 55, 34-42.	1.2	96
53	Effect of chlorine content of chlorinated phenols on their oxidation kinetics by Fenton's reagent. <i>Chemosphere</i> , 1996, 33, 1621-1635.	4.2	96
54	New Insights into Defect-Mediated Heterostructures for Photoelectrochemical Water Splitting. <i>Advanced Energy Materials</i> , 2016, 6, 1502268.	10.2	95

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55	Cobalt-impregnated biochar (Co-SCG) for heterogeneous activation of peroxymonosulfate for removal of tetracycline in water. <i>Bioresource Technology</i> , 2019, 292, 121954.	4.8	95
56	Visible-light photodegradation of sulfamethoxazole (SMX) over Ag-P-codoped g-C ₃ N ₄ (Ag-P@UCN) photocatalyst in water. <i>Chemical Engineering Journal</i> , 2020, 384, 123383.	6.6	94
57	Treatment of landfill leachate by Fenton's reagent in a continuous stirred tank reactor. <i>Journal of Hazardous Materials</i> , 2006, 136, 618-623.	6.5	93
58	Multivariate approach to the Fenton process for the treatment of landfill leachate. <i>Journal of Hazardous Materials</i> , 2009, 161, 1306-1312.	6.5	90
59	Separation of acetic acid from xylose by nanofiltration. <i>Separation and Purification Technology</i> , 2009, 67, 95-102.	3.9	87
60	The Removal of Cadmium (II) from Dilute Aqueous Solutions by Fungal Adsorbent. <i>Water Science and Technology</i> , 1988, 20, 369-376.	1.2	86
61	Proton competition in Cu(II) adsorption by fungal mycelia. <i>Water Research</i> , 1991, 25, 1365-1375.	5.3	84
62	The role of iron on the degradation and mineralization of organic compounds using conventional Fenton and photo-Fenton processes. <i>Chemical Engineering Journal</i> , 2009, 155, 637-646.	6.6	84
63	Removal of Chlorophenols from Water by Photocatalytic Oxidation. <i>Water Science and Technology</i> , 1991, 23, 377-387.	1.2	83
64	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.	3.9	83
65	Perchlorate removal by activated carbon adsorption. <i>Separation and Purification Technology</i> , 2010, 70, 329-337.	3.9	81
66	Effects of pre-ozonation on the removal of THM precursors by coagulation. <i>Science of the Total Environment</i> , 2009, 407, 5735-5742.	3.9	79
67	Adsorption characteristics of ammonium ion onto hydrous biochars in dilute aqueous solutions. <i>Bioresource Technology</i> , 2019, 272, 465-472.	4.8	79
68	Adsorption characteristics of polyacetic amino acids onto hydrous γ -Al ₂ O ₃ . <i>Journal of Colloid and Interface Science</i> , 1985, 105, 197-215.	5.0	78
69	Zero-Valent Iron Pretreatment for Enhancing the Biodegradability of Azo Dyes. <i>Water Environment Research</i> , 2002, 74, 221-225.	1.3	77
70	Ozonation of activated carbon and its effects on the adsorption of VOCs exemplified by methylethylketone and benzene. <i>Chemosphere</i> , 2002, 47, 267-275.	4.2	77
71	Degradation of phthalate esters in marine sediments by persulfate over Fe ⁰ /Ce/biochar composites. <i>Chemical Engineering Journal</i> , 2020, 384, 123301.	6.6	77
72	The removal of substituted phenols by a photocatalytic oxidation process with cadmium sulfide. <i>Water Research</i> , 1990, 24, 543-550.	5.3	75

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73	The photocatalytic oxidation of sulfur-containing organic compounds using cadmium sulfide and the effect on CdS photocorrosion. <i>Water Research</i> , 1991, 25, 1273-1278.	5.3	75
74	The Synergistic Effect of Photoelectrochemical (PEC) Reactions Exemplified by Concurrent Perfluorooctanoic acid (PFOA) Degradation and Hydrogen Generation over Carbon and Nitrogen codoped TiO ₂ Nanotube Arrays (C-N-TNTAs) photoelectrode. <i>Applied Catalysis B: Environmental</i> , 2017, 209, 437-446.	10.8	72
75	Combined ultrasound and Fenton (US-Fenton) process for the treatment of ammunition wastewater. <i>Journal of Hazardous Materials</i> , 2013, 244-245, 403-411.	6.5	71
76	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.	3.9	71
77	Removal of arsenic and humic substances (HSs) by electro-ultrafiltration (EUF). <i>Journal of Hazardous Materials</i> , 2005, 122, 171-176.	6.5	70
78	Assessing the fouling mechanisms of high-pressure nanofiltration membrane using the modified Hermia model and the resistance-in-series model. <i>Separation and Purification Technology</i> , 2011, 79, 329-336.	3.9	69
79	Oxidation of ammonia in dilute aqueous solutions over graphite-supported PbO_2 and PbO_2/C electrodes. <i>Electrochimica Acta</i> , 2017, 257, 444-454.	2.6	69
80	The surface acidity of hydrous CdS(s). <i>Journal of Colloid and Interface Science</i> , 1987, 117, 431-441.	5.0	68
81	Selective adsorption of oxyanions on activated carbon exemplified by Filtrasorb 400 (F400). <i>Separation and Purification Technology</i> , 2011, 77, 294-300.	3.9	68
82	Polymer-assisted synthesis of hydroxyapatite nanoparticle. <i>Materials Science and Engineering C</i> , 2009, 29, 819-822.	3.8	67
83	Effects of nano-ZnO on the agronomically relevant <i>Rhizobium</i> legume symbiosis. <i>Science of the Total Environment</i> , 2014, 497-498, 78-90.	3.9	67
84	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.	2.6	66
85	Chromium leaching behavior in soil derived from chromite ore processing waste. <i>Science of the Total Environment</i> , 1994, 154, 71-86.	3.9	65
86	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.	3.9	63
87	The short-term toxic effects of TiO ₂ nanoparticles toward bacteria through viability, cellular respiration, and lipid peroxidation. <i>Environmental Science and Pollution Research</i> , 2015, 22, 17917-17924.	2.7	62
88	Concurrent photoelectrochemical reduction of CO ₂ and oxidation of methyl orange using nitrogen-doped TiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2012, 123-124, 414-423.	10.8	61
89	A seasonal observation on the distribution of engineered nanoparticles in municipal wastewater treatment systems exemplified by TiO ₂ and ZnO. <i>Science of the Total Environment</i> , 2018, 625, 1321-1329.	3.9	61
90	Biochar derived from red algae for efficient remediation of 4-nonylphenol from marine sediments. <i>Chemosphere</i> , 2020, 254, 126916.	4.2	61

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91	The effect of chlorine position of chlorinated phenols on their dechlorination kinetics by Fenton's reagent. <i>Waste Management</i> , 1995, 15, 615-622.	3.7	60
92	Identifying the rejection mechanism for nanofiltration membranes fouled by humic acid and calcium ions exemplified by acetaminophen, sulfamethoxazole, and triclosan. <i>Journal of Hazardous Materials</i> , 2012, 221-222, 19-27.	6.5	59
93	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.	10.8	59
94	Sonochemical decomposition of dibenzothiophene in aqueous solution. <i>Water Research</i> , 2001, 35, 4370-4378.	5.3	58
95	Adsorption of arsenic(V) onto fly ash: A speciation-based approach. <i>Chemosphere</i> , 2008, 72, 381-388.	4.2	58
96	Responses of <i>Ceriodaphnia dubia</i> to TiO ₂ and Al ₂ O ₃ nanoparticles: A dynamic nano-toxicity assessment of energy budget distribution. <i>Journal of Hazardous Materials</i> , 2011, 187, 502-508.	6.5	57
97	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 ₂ selectivity. <i>Applied Catalysis B: Environmental</i> , 2020, 273, 119053.	10.8	57
98	Activation of percarbonate by water treatment sludge-derived biochar for the remediation of PAH-contaminated sediments. <i>Environmental Pollution</i> , 2020, 265, 114914.	3.7	57
99	Adsorption of Zn(II) onto hydrous aluminosilicates. <i>Journal of Colloid and Interface Science</i> , 1989, 131, 289-306.	5.0	56
100	Comparison of Acid and Microbial Leaching for Metal Removal from Municipal Sludge. <i>Water Science and Technology</i> , 1992, 26, 197-206.	1.2	55
101	Electro-photocatalytic degradation of acid orange II using a novel TiO ₂ /ACF photoanode. <i>Science of the Total Environment</i> , 2009, 407, 2431-2439.	3.9	55
102	Photoelectrochemical generation of hydrogen over carbon-doped TiO ₂ photoanode. <i>Applied Catalysis B: Environmental</i> , 2009, 92, 41-49.	10.8	55
103	Adsorption of phosphate at the hydrous γ -Al ₂ O ₃ -electrolyte interface. <i>Journal of Colloid and Interface Science</i> , 1975, 53, 178-186.	5.0	54
104	Modeling heavy metal uptake by sludge particulates in the presence of dissolved organic matter. <i>Water Research</i> , 2003, 37, 4835-4842.	5.3	53
105	Manipulating the morphology of 3D flower-like CoMn ₂ O ₄ 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.	6.6	52
106	Stability of oxidized single-walled carbon nanotubes in the presence of simple electrolytes and humic acid. <i>Carbon</i> , 2010, 48, 4527-4534.	5.4	51
107	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.	6.5	51
108	Effects of Dissolved Organic Matter and pH on Heavy Metal Uptake by Sludge Particulates Exemplified by Copper(II) and Nickel(II): Three-Variable Model. <i>Water Environment Research</i> , 1999, 71, 139-147.	1.3	50

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109	Removal of humic substances (HS) from water by electro-microfiltration (EMF). <i>Water Research</i> , 2006, 40, 1783-1794.	5.3	50
110	Preparation of graphene oxide-chitosan composite and adsorption performance for uranium. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 313, 371-378.	0.7	50
111	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.	5.0	50
112	Photocatalytic activity of pulsed laser deposited TiO ₂ thin films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008, 151, 133-139.	1.7	49
113	Responses of Algal Cells to Engineered Nanoparticles Measured as Algal Cell Population, Chlorophyll a, and Lipid Peroxidation: Effect of Particle Size and Type. <i>Journal of Nanotechnology</i> , 2012, 2012, 1-12.	1.5	48
114	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.	3.3	48
115	Peroxydisulfate activation by a metal-free biochar for sulfonamide antibiotic removal in water and associated bacterial community composition. <i>Bioresource Technology</i> , 2022, 343, 126082.	4.8	48
116	Effect of iron oxide removal on heavy metal sorption by acid subsoils. <i>Water, Air, and Soil Pollution</i> , 1986, 27, 379-389.	1.1	47
117	Indirect electrochemical reduction of perchlorate and nitrate in dilute aqueous solutions at the Ti-water interface. <i>Separation and Purification Technology</i> , 2009, 67, 127-134.	3.9	47
118	Chemical Interactions between Cr(VI) and Hydrous Concrete Particles. <i>Environmental Science & Technology</i> , 1996, 30, 371-376.	4.6	46
119	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.	4.6	46
120	Surface Physical-Chemical Characteristics of Sludge Particulates. <i>Water Environment Research</i> , 2000, 72, 545-553.	1.3	45
121	Evaluating and elucidating the formation of nitrogen-contained disinfection by-products during pre-ozonation and chlorination. <i>Chemosphere</i> , 2010, 80, 327-333.	4.2	44
122	The effect of complex formation on the adsorption characteristics of heavy metals. <i>Environment International</i> , 1979, 2, 145-155.	4.8	42
123	The adsorption characteristics of some heavy metal ions onto hydrous CdS(s) surface. <i>Journal of Colloid and Interface Science</i> , 1989, 128, 245-257.	5.0	42
124	Thermostability of Nano-TiO ₂ and its photocatalytic activity. <i>Reaction Kinetics and Catalysis Letters</i> , 2006, 89, 63-69.	0.6	42
125	Effects of biochar on catalysis treatment of 4-nonylphenol in estuarine sediment and associated microbial community structure. <i>Environmental Pollution</i> , 2021, 268, 115673.	3.7	42
126	Degradation of organic contaminants in marine sediments by peroxydisulfate over LaFeO ₃ nanoparticles supported on water caltrop shell-derived biochar and the associated microbial community responses. <i>Journal of Hazardous Materials</i> , 2021, 420, 126553.	6.5	42

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127	Adsorption characteristics of dichlorvos onto hydrous titanium dioxide surface. <i>Water Research</i> , 1996, 30, 1670-1676.	5.3	41
128	Enhanced Biodegradation of Azo Dyes Using an Integrated Elemental Iron-Activated Sludge System: I. Evaluation of System Performance. <i>Water Environment Research</i> , 2006, 78, 19-25.	1.3	41
129	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.	4.6	41
130	Heavy metal removal by activated sludge: influence of <i>Nocardia amarae</i> . <i>Chemosphere</i> , 2002, 46, 137-142.	4.2	40
131	Interactions of silver with wastewater constituents. <i>Water Research</i> , 2003, 37, 4444-4452.	5.3	40
132	Photoelectrochemical degradation of azo dye over pulsed laser deposited nitrogen-doped TiO ₂ thin film. <i>Applied Catalysis B: Environmental</i> , 2012, 125, 465-472.	10.8	40
133	A hierarchical porous adsorbent of nano-Fe ₂ O ₃ /Fe ₃ O ₄ 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.	2.6	40
134	Behavior of Membrane Scaling During Crossflow Filtration in the Anaerobic MBR System. <i>Separation Science and Technology</i> , 2006, 41, 1265-1278.	1.3	39
135	Substitution Boosts Charge Separation for High Solar-Driven Photocatalytic Performance. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 26783-26793.	4.0	39
136	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.	3.8	39
137	The Role of Biochar in Regulating the Carbon, Phosphorus, and Nitrogen Cycles Exemplified by Soil Systems. <i>Sustainability</i> , 2021, 13, 5612.	1.6	39
138	Comparisons of Polymeric and Conventional Coagulants in Arsenic(V) Removal. <i>Water Environment Research</i> , 2003, 75, 308-313.	1.3	37
139	The reduction of perchlorate by hydrogenation catalysts. <i>Applied Catalysis B: Environmental</i> , 2008, 81, 78-87.	10.8	37
140	The responses of <i>Ceriodaphnia dubia</i> toward multi-walled carbon nanotubes: Effect of physical-chemical treatment. <i>Carbon</i> , 2011, 49, 1672-1679.	5.4	37
141	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.	3.3	37
142	Adsorption Behavior of Cu(II) onto Sludge Particulate Surfaces. <i>Journal of Environmental Engineering, ASCE</i> , 1987, 113, 285-299.	0.7	36
143	Removal of arsenic from groundwater by electro-ultrafiltration. <i>Desalination</i> , 2008, 234, 402-408.	4.0	36
144	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.	3.9	36

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145	A dual TiO ₂ /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.	3.9	36
146	Synthesis of a CNT-grafted TiO ₂ nanocatalyst and its activity triggered by a DC voltage. <i>Nanotechnology</i> , 2007, 18, 465607.	1.3	34
147	Catalytic reduction of perchlorate by H ₂ gas in dilute aqueous solutions. <i>Separation and Purification Technology</i> , 2008, 60, 14-21.	3.9	34
148	Degradation of mefenamic acid from aqueous solutions by the ozonation and O ₃ /UV processes. <i>Separation and Purification Technology</i> , 2012, 98, 123-129.	3.9	34
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