Chin Pao Huang

List of Publications by Year
in descending order

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	Size dependency of nanocrystalline TiO2 on its optical property and photocatalytic reactivity exemplified by 2-chlorophenol. Applied Catalysis B: Environmental, 2006, 68, 1-11.	20.2	775
2	Specific adsorption of cations on hydrous Î³-Al2O3. Journal of Colloid and Interface Science, 1973, 43, 409-420.	9.4	484
3	Electrochemical generation of hydrogen peroxide from dissolved oxygen in acidic solutions. Water Research, 2002, 36, 85-94.	11.3	432
4	Advanced chemical oxidation: Its present role and potential future in hazardous waste treatment. Waste Management, 1993, 13, 361-377.	7.4	427
5	Nitrate reduction by metallic iron. Water Research, 1998, 32, 2257-2264.	11.3	427
6	Competitive Adsorption of Heavy Metals by Soils. Journal of Environmental Quality, 1986, 15, 214-219.	2.0	367
7	Optimization of Fenton process for the treatment of landfill leachate. Journal of Hazardous Materials, 2005, 125, 166-174.	12.4	342
8	The adsorption of heavy metals onto hydrous activated carbon. Water Research, 1987, 21, 1031-1044.	11.3	339
9	Effects of pore structure and temperature on VOC adsorption on activated carbon. Carbon, 2001, 39, 523-534.	10.3	329
10	Visible-light sensitive cobalt-doped BiVO4 (Co-BiVO4) photocatalytic composites for the degradation of methylene blue dye in dilute aqueous solutions. Applied Catalysis B: Environmental, 2010, 99, 214-221.	20.2	285
11	Optimizing the treatment of landfill leachate by conventional Fenton and photo-Fenton processes. Science of the Total Environment, 2009, 407, 3473-3481.	8.0	281
12	The removal of Cu(II) from dilute aqueous solutions by Saccharomyces cerevisiae. Water Research, 1990, 24, 433-439.	11.3	269
13	2,4-Dichlorophenol Oxidation Kinetics by Fenton's Reagent. Environmental Technology (United) Tj ETQq1 1 0.784314 rgBT /Overlock 1	2.2	251
14	Size dependence of thermal stability of TiO2 nanoparticles. Journal of Applied Physics, 2004, 96, 6663-6668.	2.5	250
15	Electrochemical regeneration of Fe2+ in Fenton oxidation processes. Water Research, 2003, 37, 1308-1319.	11.3	231
16	Adsorption of Mercury(II) by Soil: Effects of pH, Chloride, and Organic Matter. Journal of Environmental Quality, 1996, 25, 837-844.	2.0	225
17	The removal of chromium(VI) from dilute aqueous solution by activated carbon. Water Research, 1977, 11, 673-679.	11.3	217
18	Kinetics of Mercury(II) Adsorption and Desorption on Soil. Environmental Science & Technology, 1997, 31, 496-503.	10.0	200

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19	The surface acidity and characterization of some commercial activated carbons. Carbon, 1987, 25, 569-578.	10.3	188
20	Adsorption characteristics of some Cu(II) complexes on aluminosilicates. Water Research, 1981, 15, 849-855.	11.3	184
21	Photocatalytic degradation of bisphenol A over a ZnFe2O4/TiO2 nanocomposite under visible light. Science of the Total Environment, 2019, 646, 745-756.	8.0	182
22	Application of Aspergillus oryze and Rhizopus oryzae for Cu(II) removal. Water Research, 1996, 30, 1985-1990.	11.3	176
23	Band gap tailoring of Nd3+-doped TiO2 nanoparticles. Applied Physics Letters, 2003, 83, 4143-4145.	3.3	168
24	The surface characteristics of activated carbon as affected by ozone and alkaline treatment. Chemosphere, 2002, 47, 257-265.	8.2	166
25	Adsorption of arsenic(V) by activated carbon prepared from oat hulls. Chemosphere, 2005, 61, 478-483.	8.2	165
26	Formation of Bi₂WO₆ Bipyramids with Vacancy Pairs for Enhanced Solarâ€Driven Photoactivity. Advanced Functional Materials, 2015, 25, 3726-3734.	14.9	155
27	Enhanced catalytic reduction of nitrophenols by sodium borohydride over highly recyclable Au@graphitic carbon nitride nanocomposites. Applied Catalysis B: Environmental, 2019, 240, 337-347.	20.2	153
28	Oxidation of single-walled carbon nanotubes in dilute aqueous solutions by ozone as affected by ultrasound. Carbon, 2008, 46, 466-475.	10.3	150
29	Predicting Soilâ^'Water Partition Coefficients for Cadmium. Environmental Science & Technology, 1996, 30, 3418-3424.	10.0	147
30	The adsorption characteristics of Cu(II) in the presence of chelating agents. Journal of Colloid and Interface Science, 1979, 70, 29-45.	9.4	135
31	Adsorption characteristics of metal-EDTA complexes onto hydrous oxides. Journal of Colloid and Interface Science, 1986, 110, 575-590.	9.4	135
32	Factors affecting the distribution of heavy metals in wastewater treatment processes: role of sludge particulate. Water Science and Technology, 2001, 44, 47-52.	2.5	134
33	Adsorption characteristics of Zn(II) from dilute aqueous solution by fly ash. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 247, 137-143.	4.7	134
34	Promoted degradation of perfluorooctanic acid by persulfate when adding activated carbon. Journal of Hazardous Materials, 2013, 261, 463-469.	12.4	129
35	Photocatalyzed oxidation pathways of 2,4-dichlorophenol by CdS in basic and acidic aqueous solutions. Water Research, 1995, 29, 745-756.	11.3	128
36	Electrocatalytic ammonia oxidation over a nickel foam electrode: Role of Ni(OH)2(s)-NiOOH(s) nanocatalysts. Electrochimica Acta, 2018, 263, 261-271.	5.2	126

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37	Responses of algae to photocatalytic nano-TiO2 particles with an emphasis on the effect of particle size. Chemical Engineering Journal, 2011, 170, 538-546.	12.7	117
38	Treatment of Metal Industrial Wastewater by Fly Ash and Cement Fixation. Journal of Environmental Engineering, ASCE, 1994, 120, 1470-1487.	1.4	115
39	Synthesis of visible-light sensitive Mâ€“BiVO4 (M=Ag, Co, and Ni) for the photocatalytic degradation of organic pollutants. Separation and Purification Technology, 2011, 77, 275-282.	7.9	114
40	The electrochemical reduction of nitrate over micro-architectured metal electrodes with stainless steel scaffold. Applied Catalysis B: Environmental, 2016, 180, 199-209.	20.2	112
41	Adsorption of Cr(VI) onto TiO2 from dilute aqueous solutions. Water Science and Technology, 1997, 35, 55-62.	2.5	110
42	Factors affecting the photocatalytic degradation of dichlorvos over titanium dioxide supported on glass. Journal of Photochemistry and Photobiology A: Chemistry, 1993, 76, 103-110.	3.9	108
43	Hydrogen peroxide-assisted photocatalytic oxidation of phenolic compounds. Applied Catalysis B: Environmental, 2005, 59, 99-104.	20.2	108
44	Adsorption Characteristics of Dye onto Sludge Particulates. Journal of Colloid and Interface Science, 1998, 208, 518-528.	9.4	107
45	Electrochemical nitrate reduction as affected by the crystal morphology and facet of copper nanoparticles supported on nickel foam electrodes (Cu/Ni). Chemical Engineering Journal, 2020, 383, 123157.	12.7	107
46	Efficient sonochemical degradation of perfluorooctanoic acid using periodate. Ultrasonics Sonochemistry, 2016, 31, 499-505.	8.2	106
47	Separation of furans and carboxylic acids from sugars in dilute acid rice straw hydrolyzates by nanofiltration. Bioresource Technology, 2010, 101, 4889-4894.	9.6	101
48	Effects of nano-TiO2 on the agronomically-relevant Rhizobiumâ€“legume symbiosis. Science of the Total Environment, 2014, 466-467, 503-512.	8.0	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. Water Research, 2016, 105, 575-582.	11.3	99
50	Adsorption of Heavy Metals by Silicon and Aluminum Oxide Surfaces on Clay Minerals. Soil Science Society of America Journal, 1990, 54, 679-688.	2.2	97
51	Adsorption Characteristics of Fluoride onto Hydrous Alumina. Journal of Environmental Engineering, ASCE, 1986, 112, 1054-1069.	1.4	96
52	Humic and Fulvic Acid Adsorption by Silicon and Aluminum Oxide Surfaces on Clay Minerals. Soil Science Society of America Journal, 1991, 55, 34-42.	2.2	96
53	Effect of chlorine content of chlorinated phenols on their oxidation kinetics by Fenton's reagent. Chemosphere, 1996, 33, 1621-1635.	8.2	96
54	New Insights into Defectâ€Mediated Heterostructures for Photoelectrochemical Water Splitting. Advanced Energy Materials, 2016, 6, 1502268.	19.5	95

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55	Cobalt-impregnated biochar (Co-SCG) for heterogeneous activation of peroxymonosulfate for removal of tetracycline in water. Bioresource Technology, 2019, 292, 121954.	9.6	95
56	Visible-light photodegradation of sulfamethoxazole (SMX) over Ag-P-codoped g-C3N4 (Ag-P@UCN) photocatalyst in water. Chemical Engineering Journal, 2020, 384, 123383.	12.7	94
57	Treatment of landfill leachate by Fenton's reagent in a continuous stirred tank reactor. Journal of Hazardous Materials, 2006, 136, 618-623.	12.4	93
58	Multivariate approach to the Fenton process for the treatment of landfill leachate. Journal of Hazardous Materials, 2009, 161, 1306-1312.	12.4	90
59	Separation of acetic acid from xylose by nanofiltration. Separation and Purification Technology, 2009, 67, 95-102.	7.9	87
60	The Removal of Cadmium (II) from Dilute Aqueous Solutions by Fungal Adsorbent. Water Science and Technology, 1988, 20, 369-376.	2.5	86
61	Proton competition in Cu(II) adsorption by fungal mycelia. Water Research, 1991, 25, 1365-1375.	11.3	84
62	The role of iron on the degradation and mineralization of organic compounds using conventional Fenton and photo-Fenton processes. Chemical Engineering Journal, 2009, 155, 637-646.	12.7	84
63	Removal of Chlorophenols from Water by Photocatalytic Oxidation. Water Science and Technology, 1991, 23, 377-387.	2.5	83
64	Activation of persulfate by CoO nanoparticles loaded on 3D mesoporous carbon nitride (CoO@meso-CN) for the degradation of methylene blue (MB). Science of the Total Environment, 2019, 675, 531-541.	8.0	83
65	Perchlorate removal by activated carbon adsorption. Separation and Purification Technology, 2010, 70, 329-337.	7.9	81
66	Effects of pre-ozonation on the removal of THM precursors by coagulation. Science of the Total Environment, 2009, 407, 5735-5742.	8.0	79
67	Adsorption characteristics of ammonium ion onto hydrous biochars in dilute aqueous solutions. Bioresource Technology, 2019, 272, 465-472.	9.6	79
68	Adsorption characteristics of polyacetic amino acids onto hydrous Î³-Al2O3. Journal of Colloid and Interface Science, 1985, 105, 197-215.	9.4	78
69	Zero-Valent Iron Pretreatment for Enhancing the Biodegradability of Azo Dyes. Water Environment Research, 2002, 74, 221-225.	2.7	77
70	Ozonation of activated carbon and its effects on the adsorption of VOCs exemplified by methylethylketone and benzene. Chemosphere, 2002, 47, 267-275.	8.2	77
71	Degradation of phthalate esters in marine sediments by persulfate over Feâ€“Ce/biochar composites. Chemical Engineering Journal, 2020, 384, 123301.	12.7	77
72	The removal of substituted phenols by a photocatalytic oxidation process with cadmium sulfide. Water Research, 1990, 24, 543-550.	11.3	75

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73	The photocatalytic oxidation of sulfur-containing organic compounds using cadmium sulfide and the effect on CdS photocorrosion. Water Research, 1991, 25, 1273-1278.	11.3	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. Applied Catalysis B: Environmental, 2017, 209, 437-446.	20.2	72
75	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
76	The degradation of phthalate esters in marine sediments by persulfate over ironâ€“cerium oxide catalyst. Science of the Total Environment, 2019, 696, 133973.	8.0	71
77	Removal of arsenic and humic substances (HSs) by electro-ultrafiltration (EUF). Journal of Hazardous Materials, 2005, 122, 171-176.	12.4	70
78	Assessing the fouling mechanisms of high-pressure nanofiltration membrane using the modified Hermia model and the resistance-in-series model. Separation and Purification Technology, 2011, 79, 329-336.	7.9	69
79	Oxidation of ammonia in dilute aqueous solutions over graphite-supported Î±- and Î²-lead dioxide electrodes (PbO2@G). Electrochimica Acta, 2017, 257, 444-454.	5.2	69
80	The surface acidity of hydrous CdS(s). Journal of Colloid and Interface Science, 1987, 117, 431-441.	9.4	68
81	Selective adsorption of oxyanions on activated carbon exemplified by Filtrasorb 400 (F400). Separation and Purification Technology, 2011, 77, 294-300.	7.9	68
82	Polymer-assisted synthesis of hydroxyapatite nanoparticle. Materials Science and Engineering C, 2009, 29, 819-822.	7.3	67
83	Effects of nano-ZnO on the agronomically relevant Rhizobium â€“legume symbiosis. Science of the Total Environment, 2014, 497-498, 78-90.	8.0	67
84	In-situ electrochemical formation of nickel oxyhydroxide (NiOOH) on metallic nickel foam electrode for the direct oxidation of ammonia in aqueous solution. Electrochimica Acta, 2018, 281, 410-419.	5.2	66
85	Chromium leaching behavior in soil derived from chromite ore processing waste. Science of the Total Environment, 1994, 154, 71-86.	8.0	65
86	Recovery of perfluorooctane sulfonate (PFOS) and perfluorooctanoate (PFOA) from dilute water solution by foam flotation. Separation and Purification Technology, 2017, 173, 280-285.	7.9	63
87	The short-term toxic effects of TiO2 nanoparticles toward bacteria through viability, cellular respiration, and lipid peroxidation. Environmental Science and Pollution Research, 2015, 22, 17917-17924.	5.3	62
88	Concurrent photoelectrochemical reduction of CO2 and oxidation of methyl orange using nitrogen-doped TiO2. Applied Catalysis B: Environmental, 2012, 123-124, 414-423.	20.2	61
89	A seasonal observation on the distribution of engineered nanoparticles in municipal wastewater treatment systems exemplified by TiO2 and ZnO. Science of the Total Environment, 2018, 625, 1321-1329.	8.0	61
90	Biochar derived from red algae for efficient remediation of 4-nonylphenol from marine sediments. Chemosphere, 2020, 254, 126916.	8.2	61

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91	The effect of chlorine position of chlorinated phenols on their dechlorination kinetics by Fenton's reagent. Waste Management, 1995, 15, 615-622.	7.4	60
92	Identifying the rejection mechanism for nanofiltration membranes fouled by humic acid and calcium ions exemplified by acetaminophen, sulfamethoxazole, and triclosan. Journal of Hazardous Materials, 2012, 221-222, 19-27.	12.4	59
93	Mode of electrochemical deposition on the structure and morphology of bimetallic electrodes and its effect on nitrate reduction toward nitrogen selectivity. Applied Catalysis B: Environmental, 2019, 257, 117909.	20.2	59
94	Sonochemical decomposition of dibenzothiophene in aqueous solution. Water Research, 2001, 35, 4370-4378.	11.3	58
95	Adsorption of arsenic(V) onto fly ash: A speciation-based approach. Chemosphere, 2008, 72, 381-388.	8.2	58
96	Responses of Ceriodaphnia dubia to TiO2 and Al2O3 nanoparticles: A dynamic nano-toxicity assessment of energy budget distribution. Journal of Hazardous Materials, 2011, 187, 502-508.	12.4	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 N2 selectivity. Applied Catalysis B: Environmental, 2020, 273, 119053.	20.2	57
98	Activation of percarbonate by water treatment sludgeâ€"derived biochar for the remediation of PAH-contaminated sediments. Environmental Pollution, 2020, 265, 114914.	7.5	57
99	Adsorption of Zn(II) onto hydrous aluminosilicates. Journal of Colloid and Interface Science, 1989, 131, 289-306.	9.4	56
100	Comparison of Acid and Microbial Leaching for Metal Removal from Municipal Sludge. Water Science and Technology, 1992, 26, 197-206.	2.5	55
101	Electro-photocatalytic degradation of acid orange II using a novel TiO2/ACF photoanode. Science of the Total Environment, 2009, 407, 2431-2439.	8.0	55
102	Photoeletrochemical generation of hydrogen over carbon-doped TiO2 photoanode. Applied Catalysis B: Environmental, 2009, 92, 41-49.	20.2	55
103	Adsorption of phosphate at the hydrous Î³-Al2O3-electrolyte interface. Journal of Colloid and Interface Science, 1975, 53, 178-186.	9.4	54
104	Modeling heavy metal uptake by sludge particulates in the presence of dissolved organic matter. Water Research, 2003, 37, 4835-4842.	11.3	53
105	Manipulating the morphology of 3D flower-like CoMn2O4 bimetallic catalyst for enhancing the activation of peroxymonosulfate toward the degradation of selected persistent pharmaceuticals in water. Chemical Engineering Journal, 2022, 436, 135244.	12.7	52
106	Stability of oxidized single-walled carbon nanotubes in the presence of simple electrolytes and humic acid. Carbon, 2010, 48, 4527-4534.	10.3	51
107	CoO-3D ordered mesoporous carbon nitride (CoO@mpgCN) composite as peroxymonosulfate activator for the degradation of sulfamethoxazole in water. Journal of Hazardous Materials, 2021, 401, 123326.	12.4	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. Water Environment Research, 1999, 71, 139-147.	2.7	50

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109	Removal of humic substances (HS) from water by electro-microfiltration (EMF). Water Research, 2006, 40, 1783-1794.	11.3	50
110	Preparation of graphene oxideâ€“chitosan composite and adsorption performance for uranium. Journal of Radioanalytical and Nuclear Chemistry, 2017, 313, 371-378.	1.5	50
111	A visible-light sensitive MoSSe nanohybrid for the photocatalytic degradation of tetracycline, oxytetracycline, and chlortetracycline. Journal of Colloid and Interface Science, 2022, 616, 67-80.	9.4	50
112	Photocatalytic activity of pulsed laser deposited TiO2 thin films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 151, 133-139.	3.5	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. Journal of Nanotechnology, 2012, 2012, 1-12.	3.4	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. Journal of Environmental Chemical Engineering, 2020, 8, 104440.	6.7	48
115	Peroxymonosulfate activation by a metal-free biochar for sulfonamide antibiotic removal in water and associated bacterial community composition. Bioresource Technology, 2022, 343, 126082.	9.6	48
116	Effect of iron oxide removal on heavy metal sorption by acid subsoils. Water, Air, and Soil Pollution, 1986, 27, 379-389.	2.4	47
117	Indirect electrochemical reduction of perchlorate and nitrate in dilute aqueous solutions at the Tiâ€“water interface. Separation and Purification Technology, 2009, 67, 127-134.	7.9	47
118	Chemical Interactions between Cr(VI) and Hydrous Concrete Particles. Environmental Science & Technology, 1996, 30, 371-376.	10.0	46
119	Algae-derived metal-free boron-doped biochar as an efficient bioremediation pretreatment for persistent organic pollutants in marine sediments. Journal of Cleaner Production, 2022, 336, 130448.	9.3	46
120	Surface Physical-Chemical Characteristics of Sludge Particulates. Water Environment Research, 2000, 72, 545-553.	2.7	45
121	Evaluating and elucidating the formation of nitrogen-contained disinfection by-products during pre-ozonation and chlorination. Chemosphere, 2010, 80, 327-333.	8.2	44
122	The effect of complex formation on the adsorption characteristics of heavy metals. Environment International, 1979, 2, 145-155.	10.0	42
123	The adsorption characteristics of some heavy metal ions onto hydrous CdS(s) surface. Journal of Colloid and Interface Science, 1989, 128, 245-257.	9.4	42
124	Thermostability of Nano-TiO2 and its photocatalytic activity Â. Reaction Kinetics and Catalysis Letters, 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. Environmental Pollution, 2021, 268, 115673.	7.5	42
126	Degradation of organic contaminants in marine sediments by peroxymonosulfate over LaFeO3 nanoparticles supported on water caltrop shell-derived biochar and the associated microbial community responses. Journal of Hazardous Materials, 2021, 420, 126553.	12.4	42

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127	Adsorption characteristics of dichlorvos onto hydrous titanium dioxide surface. Water Research, 1996, 30, 1670-1676.	11.3	41
128	Enhanced Biodegradation of Azo Dyes Using an Integrated Elemental Iron-Activated Sludge System: I. Evaluation of System Performance. Water Environment Research, 2006, 78, 19-25.	2.7	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. Journal of Cleaner Production, 2021, 292, 126108.	9.3	41
130	Heavy metal removal by activated sludge: influence of Nocardia amarae. Chemosphere, 2002, 46, 137-142.	8.2	40
131	Interactions of silver with wastewater constituents. Water Research, 2003, 37, 4444-4452.	11.3	40
132	Photoelectrochemical degradation of azo dye over pulsed laser deposited nitrogen-doped TiO2 thin film. Applied Catalysis B: Environmental, 2012, 125, 465-472.	20.2	40
133	A hierarchical porous adsorbent of nano-Î±-Fe2O3/Fe3O4 on bamboo biochar (HPA-Fe/C-B) for the removal of phosphate from water. Journal of Water Process Engineering, 2018, 25, 96-104.	5.6	40
134	Behavior of Membrane Scaling During Crossflow Filtration in the Anaerobic MBR System. Separation Science and Technology, 2006, 41, 1265-1278.	2.5	39
135	Substitution Boosts Charge Separation for High Solar-Driven Photocatalytic Performance. ACS Applied Materials & Interfaces, 2016, 8, 26783-26793.	8.0	39
136	Performance evaluation of integrated adsorption-nanofiltration system for emerging compounds removal: Exemplified by caffeine, diclofenac and octylphenol. Journal of Environmental Management, 2019, 231, 121-128.	7.8	39
137	The Role of Biochar in Regulating the Carbon, Phosphorus, and Nitrogen Cycles Exemplified by Soil Systems. Sustainability, 2021, 13, 5612.	3.2	39
138	Comparisons of Polymeric and Conventional Coagulants in Arsenic(V) Removal. Water Environment Research, 2003, 75, 308-313.	2.7	37
139	The reduction of perchlorate by hydrogenation catalysts. Applied Catalysis B: Environmental, 2008, 81, 78-87.	20.2	37
140	The responses of Ceriodaphnia dubia toward multi-walled carbon nanotubes: Effect of physicalâ€“chemical treatment. Carbon, 2011, 49, 1672-1679.	10.3	37
141	Fe-Cu bimetallic catalyst for the degradation of hazardous organic chemicals exemplified by methylene blue in Fenton-like reaction. Journal of Environmental Chemical Engineering, 2020, 8, 104139.	6.7	37
142	Adsorption Behavior of Cu(II) onto Sludge Particulate Surfaces. Journal of Environmental Engineering, ASCE, 1987, 113, 285-299.	1.4	36
143	Removal of arsenic from groundwater by electro-ultrafiltration. Desalination, 2008, 234, 402-408.	8.2	36
144	Looking for engineered nanoparticles (ENPs) in wastewater treatment systems: Qualification and quantification aspects. Science of the Total Environment, 2017, 590-591, 809-817.	8.0	36

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145	A dual TiO2/Ti-stainless steel anode for the degradation of orange G in a coupling photoelectrochemical and photo-electro-Fenton system. Science of the Total Environment, 2019, 659, 221-229.	8.0	36
146	Synthesis of a CNT-grafted TiO2nanocatalyst and its activity triggered by a DC voltage. Nanotechnology, 2007, 18, 465607.	2.6	34
147	Catalytic reduction of perchlorate by H2 gas in dilute aqueous solutions. Separation and Purification Technology, 2008, 60, 14-21.	7.9	34
148	Degradation of mefenamic acid from aqueous solutions by the ozonation and O3/UV processes. Separation and Purification Technology, 2012, 98, 123-129.	7.9	34
149	Facile preparation and adsorption performance of graphene oxide-manganese oxide composite for uranium. Scientific Reports, 2018, 8, 9058.	3.3	34
150	Phenanthrene removal in unsaturated soils treated by electrokinetics with different surfactantsâ€"Triton X-100 and rhamnolipid. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 348, 157-163.	4.7	33
151	The removal of phosphate by thermally treated red mud from water: The effect of surface chemistry on phosphate immobilization. Chemosphere, 2020, 247, 125867.	8.2	32
152	Production and characterization of a high value-added seaweed-derived biochar: Optimization of pyrolysis conditions and evaluation for sediment treatment. Journal of Analytical and Applied Pyrolysis, 2021, 155, 105071.	5.5	32
153	N-doping modified zeolitic imidazole Framework-67 (ZIF-67) for enhanced peroxymonosulfate activation to remove ciprofloxacin from aqueous solution. Separation and Purification Technology, 2022, 288, 120719.	7.9	32
154	Removal of some heavy metals by mordenite. Environmental Technology Letters, 1989, 10, 863-874.	0.4	31
155	Effect of metal additives on the physico-chemical characteristics of activated carbon exemplified by benzene and acetic acid adsorption. Carbon, 1999, 37, 1919-1928.	10.3	31
156	In Situ Removal of 2-Chlorophenol from Unsaturated Soils by Ozonation. Environmental Science & Technology, 2002, 36, 2911-2918.	10.0	31
157	Remediation and stimulation of selected chlorinated organic solvents in unsaturated soil by a specific enhanced electrokinetics. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 287, 86-93.	4.7	31
158	Efficacy and cytotoxicity of engineered ferromanganese-bearing sludge-derived biochar for percarbonate-induced phthalate ester degradation. Journal of Hazardous Materials, 2022, 422, 126922.	12.4	31
159	N-doped metal-free biochar activation of peroxymonosulfate for enhancing the degradation of antibiotics sulfadiazine from aquaculture water and its associated bacterial community composition. Journal of Environmental Chemical Engineering, 2022, 10, 107172.	6.7	31
160	Removal of Phenols from Water by a Photocatalytic Oxidation Process. Water Science and Technology, 1989, 21, 455-464.	2.5	30
161	The adsorption characteristics of fluoride on commercial activated carbon treated with quaternary ammonium salts (Quats). Science of the Total Environment, 2019, 693, 133605.	8.0	30
162	Adsorption of Zn(II) onto hydrous aluminosilicates in the presence of EDTA. Water Research, 1988, 22, 1001-1009.	11.3	29

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163	Adsorption of some substituted phenols onto hydrous ZnS(s). Journal of Colloid and Interface Science, 1992, 153, 167-176.	9.4	29
164	Cr(VI) Adsorption onto Hydrous Concrete Particles from Groundwater. Journal of Environmental Engineering, ASCE, 2001, 127, 1124-1131.	1.4	29
165	Preliminary studies of the oxidation of arsenic(III) by potassium ferrate. International Journal of Environment and Pollution, 2002, 18, 91.	0.2	29
166	Fenton process for degradation of selected chlorinated aliphatic hydrocarbons exemplified by trichloroethylene, 1,1-dichloroethylene and chloroform. Frontiers of Environmental Science and Engineering in China, 2008, 2, 397-409.	0.8	29
167	Electrodialytically assisted catalytic reduction (EDACR) of perchlorate in dilute aqueous solutions. Separation and Purification Technology, 2008, 59, 333-341.	7.9	29
168	Photoelectrochemical degradation of dye wastewater on TiO2-coated titanium electrode prepared by electrophoretic deposition. Separation and Purification Technology, 2016, 165, 145-153.	7.9	28
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