

Chihpin Huang

List of Publications by Year in descending order

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157
papers

6,271
citations

57631

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docs citations

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5861
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights on free radical oxidation and in-situ coagulation in PMS/Fe(II) process for the removal of algogenic organic matter precursors. <i>Chemical Engineering Journal</i> , 2022, 446, 136986.	6.6	13
2	Chemisorption of fluoride onto manganese-oxide-coated activated alumina in aqueous solution. <i>Journal of Hazardous Materials Advances</i> , 2022, 6, 100095.	1.2	3
3	Machine Learning and Prediction of Masked Motors With Different Materials Based on Noise Analysis. <i>IEEE Access</i> , 2022, 10, 75708-75719.	2.6	2
4	Modification on biochars for applications: A research update. <i>Bioresource Technology</i> , 2021, 319, 124100.	4.8	118
5	Increasing Bromine in Intracellular Organic Matter of Freshwater Algae Growing in Bromide-Elevated Environments and Its Impacts on Characteristics of DBP Precursors. <i>Environmental Science and Technology Letters</i> , 2021, 8, 307-312.	3.9	9
6	The recovery of sulfuric acid from spent piranha solution over a dimensionally stable anode (DSA) Ti-RuO ₂ electrode. <i>Journal of Hazardous Materials</i> , 2021, 406, 124658.	6.5	19
7	Tracking Br-DBPs and bromine substitution factors by two-stage differential characterization of water matrix and NOM during chlorination. <i>Science of the Total Environment</i> , 2021, 782, 146836.	3.9	7
8	Bromide-intrusion into <i>Chlorella</i> sp. and <i>Microcystis aeruginosa</i> growing environments: Its impacts on algal growth and the formation potential of algal-derived DBPs upon chlorination. <i>Science of the Total Environment</i> , 2021, 795, 148772.	3.9	6
9	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.	2.9	13
10	Dezincification of brass water meters in a long-term study: effects of anions, alkalinity, and residual chlorine. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 1666-1676.	1.2	4
11	Influence of Al/Fe-based coagulant dosing sequences on floc formation and settling behavior in algae-laden water. <i>Environmental Science: Water Research and Technology</i> , 2021, 8, 127-138.	1.2	1
12	Effects of sodium salt additive to produce ultra lightweight aggregates from industrial sludge-marine clay mix: Laboratory trials. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 111, 105-109.	2.7	7
13	Dark fermentation production of volatile fatty acids from glucose with biochar amended biological consortium. <i>Bioresource Technology</i> , 2020, 303, 122921.	4.8	15
14	High catalytic performance of CuCo/nickel foam electrode for ammonia electrooxidation. <i>Electrochemistry Communications</i> , 2020, 121, 106875.	2.3	24
15	Noise Prediction Using Machine Learning with Measurements Analysis. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6619.	1.3	8
16	Characteristics of low and high SUVA precursors: Relationships among molecular weight, fluorescence, and chemical composition with DBP formation. <i>Science of the Total Environment</i> , 2020, 727, 138638.	3.9	51
17	Glucose fermentation with biochar-amended consortium: microbial consortium shift. <i>Bioengineered</i> , 2020, 11, 272-280.	1.4	20
18	Removal of ammonia from leachate by using thermophilic microbial fuel cells equipped with membrane electrode. <i>Sustainable Environment Research</i> , 2020, 30, .	2.1	10

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19	Novel Chlorination Byproducts of Tryptophan: Initial High-Yield Transformation Products versus Small Molecule Disinfection Byproducts. <i>Environmental Science and Technology Letters</i> , 2020, 7, 149-155.	3.9	26
20	Glucose fermentation with biochar amended consortium: Sequential fermentations. <i>Bioresource Technology</i> , 2020, 303, 122933.	4.8	12
21	NOM removal and residual Al minimization by enhanced coagulation: roles of sequence dosing with PAClâ€“FeCl3. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2020, 69, 616-628.	0.6	10
22	Establishment of a large-diameter pipeline failure risk matrix in water distribution systems in Taiwan. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2019, 68, 358-367.	0.6	2
23	Algogenic organic matter derived DBPs: Precursor characterization, formation, and future perspectives â€“ A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2019, 49, 1803-1834.	6.6	31
24	Advanced Techniques for Characterizing DBP Precursors from Eutrophic Water and Their Applications for DBP Prediction. <i>Energy, Environment, and Sustainability</i> , 2019, , 37-62.	0.6	0
25	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.	0.7	4
26	A dual TiO2/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
27	Fluorescent and molecular weight dependence of THM and HAA formation from intracellular algogenic organic matter (IOM). <i>Water Research</i> , 2019, 148, 231-238.	5.3	50
28	Electro-autotrophs induced the growth of exoelectrogens on the anode in a microbial fuel cell. <i>Biochemical Engineering Journal</i> , 2019, 141, 29-34.	1.8	13
29	Uptake of BDE-209 on zebrafish embryos as affected by SiO2 nanoparticles. <i>Chemosphere</i> , 2018, 205, 570-578.	4.2	16
30	Effects of C/N ratio on nitrate removal and floc morphology of autohydrogenotrophic bacteria in a nitrate-containing wastewater treatment process. <i>Journal of Environmental Sciences</i> , 2018, 69, 52-60.	3.2	12
31	Nitrate removal and extracellular polymeric substances of autohydrogenotrophic bacteria under various pH and hydrogen flow rates. <i>Journal of Environmental Sciences</i> , 2018, 63, 50-57.	3.2	11
32	Algal removal from cyanobacteria-rich waters by preoxidation-assisted coagulationâ€“flotation: Effect of algogenic organic matter release on algal removal and trihalomethane formation. <i>Journal of Environmental Sciences</i> , 2018, 63, 147-155.	3.2	42
33	Optical properties of algogenic organic matter within the growth period of <i>Chlorella</i> sp. and predicting their disinfection by-product formation. <i>Science of the Total Environment</i> , 2018, 621, 1467-1474.	3.9	48
34	Performance evaluation of a hydrogen-fed bioreactor treating nitrate containing wastewater under long-term operation. <i>Sustainable Environment Research</i> , 2018, 28, 274-281.	2.1	1
35	Probing algogenic organic matter (AOM) by size-exclusion chromatography to predict AOM-derived disinfection by-product formation. <i>Science of the Total Environment</i> , 2018, 645, 71-78.	3.9	23
36	Visualization and quantification of transparent exopolymer particles (TEP) in freshwater using an auto-imaging approach. <i>Environmental Science and Pollution Research</i> , 2017, 24, 17358-17372.	2.7	5

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37	Teratogenic responses of zebrafish embryos to decabromodiphenyl ether (BDE-209) in the presence of nano-SiO ₂ particles. <i>Chemosphere</i> , 2017, 178, 449-457.	4.2	24
38	Chemical structures of extra- and intra-cellular algogenic organic matters as precursors to the formation of carbonaceous disinfection byproducts. <i>Chemical Engineering Journal</i> , 2017, 328, 1022-1030.	6.6	93
39	The kinetics, current efficiency, and power consumption of electrochemical dye decolorization by BD-NCD film electrode. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	3
40	Photoelectrochemical degradation of dye wastewater on TiO ₂ -coated titanium electrode prepared by electrophoretic deposition. <i>Separation and Purification Technology</i> , 2016, 165, 145-153.	3.9	28
41	Pretreatment of algae-laden and manganese-containing waters by oxidation-assisted coagulation: Effects of oxidation on algal cell viability and manganese precipitation. <i>Water Research</i> , 2016, 89, 261-269.	5.3	42
42	Anodic fabrication of advanced titania nanotubes photocatalysts for photoelectrocatalysis decolorization of Orange G dye. <i>Chemosphere</i> , 2016, 144, 2462-2468.	4.2	12
43	Electrochemical decolorization of dye wastewater by surface-activated boron-doped nanocrystalline diamond electrode. <i>Journal of Environmental Sciences</i> , 2016, 45, 100-107.	3.2	26
44	Effect of cell integrity on algal destabilization by oxidation-assisted coagulation. <i>Separation and Purification Technology</i> , 2015, 151, 262-268.	3.9	15
45	Effects of dynamic polarization on boron-doped NCD properties and on its performance for electrochemical-analysis of Pb (II), Cu (II) and Hg (II) in aqueous solution via direct LSV. <i>Separation and Purification Technology</i> , 2015, 156, 1047-1056.	3.9	25
46	Temporal variation and interaction of full size spectrum Alcian blue stainable materials and water quality parameters in a reservoir. <i>Chemosphere</i> , 2015, 131, 139-148.	4.2	8
47	Effects of electro-coagulation on fouling mitigation and sludge characteristics in a coagulation-assisted membrane bioreactor. <i>Journal of Membrane Science</i> , 2015, 495, 29-36.	4.1	76
48	Electrochemical Photocatalytic Degradation of Orange G Using TiO ₂ Films Prepared by Cathodic Deposition. <i>Journal of the Electrochemical Society</i> , 2014, 161, H762-H769.	1.3	6
49	Evaluating the sensitizing effect on the photocatalytic decoloration of dyes using anatase-TiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2014, 148-149, 250-257.	10.8	71
50	Fate of hydrolyzed Al species in humic acid coagulation. <i>Water Research</i> , 2014, 56, 314-324.	5.3	140
51	Comparison of membrane foulants occurred under different sub-critical flux conditions in a membrane bioreactor (MBR). <i>Bioresource Technology</i> , 2014, 166, 389-394.	4.8	14
52	Enhanced particle destabilization and aggregation by flash-mixing coagulation for drinking water treatment. <i>Separation and Purification Technology</i> , 2013, 115, 145-151.	3.9	23
53	A hybrid electrochemical advanced oxidation/microfiltration system using BDD/Ti anode for acid yellow 36 dye wastewater treatment. <i>Separation and Purification Technology</i> , 2013, 120, 289-295.	3.9	64
54	Fouling mitigation of a dead-end microfiltration by mixing-enhanced preoxidation for Fe and Mn removal from groundwater. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 419, 87-93.	2.3	25

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55	Electrochemical photocatalytic degradation of dye solution with a TiO ₂ -coated stainless steel electrode prepared by electrophoretic deposition. <i>Applied Catalysis B: Environmental</i> , 2013, 140-141, 32-41.	10.8	52
56	Fouling Mitigation by TiO ₂ Composite Membrane in Membrane Bioreactors. <i>Journal of Environmental Engineering, ASCE</i> , 2012, 138, 344-350.	0.7	20
57	Reductive catalysis of novel TiO ₂ /FeO composite under UV irradiation for nitrate removal from aqueous solution. <i>Separation and Purification Technology</i> , 2012, 84, 52-55.	3.9	50
58	Impact of sludge retention time on sludge characteristics and microbial community in MBR. <i>Water Science and Technology</i> , 2011, 63, 2250-2254.	1.2	12
59	The effect of feed salinity on the biofouling dynamics of seawater desalination. <i>Biofouling</i> , 2011, 27, 561-567.	0.8	2
60	Hydrolyzed Al(III) clusters: Speciation stability of nano-Al ₁₃ . <i>Journal of Environmental Sciences</i> , 2011, 23, 705-710.	3.2	28
61	Effect of coagulation mechanism on membrane permeability in coagulation-assisted microfiltration for spent filter backwash water recycling. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 378, 72-78.	2.3	41
62	Effect of floc structure and strength on membrane permeability in the hybrid coagulation-microfiltration process. <i>Water Science and Technology: Water Supply</i> , 2011, 11, 97-105.	1.0	2
63	Influence of floc structure on coagulation-microfiltration performance: Effect of Al speciation characteristics of PACls. <i>Separation and Purification Technology</i> , 2010, 72, 22-27.	3.9	59
64	Effect of sludge characteristics on membrane fouling in membrane bioreactors. <i>Journal of Membrane Science</i> , 2010, 349, 287-294.	4.1	96
65	Characteristics of soluble microbial products in membrane bioreactor and its effect on membrane fouling. <i>Desalination</i> , 2010, 250, 778-780.	4.0	42
66	Seasonal fouling on seawater desalination RO membrane. <i>Desalination</i> , 2010, 250, 548-552.	4.0	28
67	Water Coagulation Using Electrostatic Patch Coagulation (EPC) Mechanism. <i>Drying Technology</i> , 2010, 28, 850-857.	1.7	19
68	Pre-Treatment of Natural Organic Matters Containing Raw Water using Coagulation. <i>Separation Science and Technology</i> , 2010, 45, 911-919.	1.3	5
69	Recycling of spent filter backwash water using coagulation-assisted membrane filtration: effects of submicrometre particles on membrane flux. <i>Water Science and Technology</i> , 2010, 61, 1923-1929.	1.2	8
70	Membrane Fouling Mitigation: Membrane Cleaning. <i>Separation Science and Technology</i> , 2010, 45, 858-872.	1.3	140
71	Enhancement of membrane filtration ability by pretreatment of secondary effluent using a new photocatalytic oxidation system. <i>Desalination and Water Treatment</i> , 2009, 6, 184-189.	1.0	1
72	Application of TiO ₂ photocatalytic oxidation and non-woven membrane filtration hybrid system for degradation of 4-chlorophenol. <i>Desalination</i> , 2009, 245, 169-182.	4.0	44

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73	Application of nanosilver surface modification to RO membrane and spacer for mitigating biofouling in seawater desalination. <i>Water Research</i> , 2009, 43, 3777-3786.	5.3	203
74	The origin of Al(OH) ₃ -rich and Al ₁₃ -aggregate flocs composition in PACl coagulation. <i>Water Research</i> , 2009, 43, 4285-4295.	5.3	92
75	Characteristics of RO foulants in a brackish water desalination plant. <i>Desalination</i> , 2008, 220, 353-358.	4.0	54
76	Factors affecting phenol transfer through polydimethylsiloxane composite membrane. <i>Desalination</i> , 2008, 234, 416-425.	4.0	7
77	Recycling MSWI bottom and fly ash as raw materials for Portland cement. <i>Waste Management</i> , 2008, 28, 1113-1118.	3.7	214
78	Coagulation behavior of Al ₁₃ aggregates. <i>Water Research</i> , 2008, 42, 4281-4290.	5.3	100
79	Coagulation dynamics of fractal flocs induced by enmeshment and electrostatic patch mechanisms. <i>Water Research</i> , 2008, 42, 4457-4466.	5.3	118
80	Effect of Al(III) speciation on coagulation of highly turbid water. <i>Chemosphere</i> , 2008, 72, 189-196.	4.2	72
81	Characteristics of membrane fouling in submerged membrane bioreactor under sub-critical flux operation. <i>Water Science and Technology</i> , 2008, 57, 601-605.	1.2	4
82	Operational performance of sludge blanket in clarification: effect of organic matter. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2007, 56, 163-169.	0.6	0
83	Operation of Fixed-bed Bioreactor for Polluted Surface Water Treatment. <i>Separation Science and Technology</i> , 2007, 42, 3307-3320.	1.3	2
84	Membrane-Coupled Methanogenic and Facultative Bioreactor in Wastewater Treatment. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2007, 20, 572-577.	1.4	3
85	Treatment of high-level arsenic-containing wastewater by fluidized bed crystallization process. <i>Journal of Chemical Technology and Biotechnology</i> , 2007, 82, 289-294.	1.6	18
86	Characteristic of an innovative TiO ₂ /FeO composite for treatment of azo dye. <i>Separation and Purification Technology</i> , 2007, 58, 152-158.	3.9	53
87	IMS Method Performance Analyses for Giardia in Water Under Differing Conditions. <i>Environmental Monitoring and Assessment</i> , 2007, 131, 129-134.	1.3	12
88	Mechanistic Study on the Continuous Flow Electrocoagulation of Silica Nanoparticles from Polishing Wastewater. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 3644-3651.	1.8	35
89	Electrocoagulation of Silica Nanoparticles in Wafer Polishing Wastewater by a Multichannel Flow Reactor: A Kinetic Study. <i>Journal of Environmental Engineering, ASCE</i> , 2006, 132, 1651-1658.	0.7	26
90	Electrocoagulation for removal of silica nano-particles from chemical-mechanical-planarization wastewater. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 254, 81-89.	2.3	69

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91	Effect of biofiltration on particle characteristics and flocculation behavior. <i>Journal of Chemical Technology and Biotechnology</i> , 2005, 80, 705-711.	1.6	4
92	Treatment of wastewater containing nano-scale silica particles by dead-end microfiltration: evaluation of pretreatment methods. <i>Desalination</i> , 2005, 179, 31-40.	4.0	23
93	Mixing Water Treatment Residual with Excavation Waste Soil in Brick and Artificial Aggregate Making. <i>Journal of Environmental Engineering, ASCE</i> , 2005, 131, 272-277.	0.7	75
94	Steady-state humic-acid-containing blanket in upflow suspended bed. <i>Water Research</i> , 2005, 39, 831-838.	5.3	11
95	Treating High-Turbidity Water Using Full-Scale Floc Blanket Clarifiers. <i>Journal of Environmental Engineering, ASCE</i> , 2004, 130, 1481-1487.	0.7	20
96	Effects of cross-substrate interaction on biotrickling filtration for the control of VOC emissions. <i>Chemosphere</i> , 2004, 57, 697-709.	4.2	17
97	Correlation between dewatering index and dewatering performance of three mechanical dewatering devices. <i>Journal of Environmental Management</i> , 2003, 7, 599-602.	1.7	41
98	Biotrickling Filtration for Control of Volatile Organic Compounds from Microelectronics Industry. <i>Journal of Environmental Engineering, ASCE</i> , 2003, 129, 610-619.	0.7	11
99	Effects of Surfactant Addition on Dewatering of Alum Sludges. <i>Journal of Environmental Engineering, ASCE</i> , 2002, 128, 1121-1127.	0.7	19
100	Coagulation of high turbidity water: the effects of rapid mixing. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2002, 51, 77-85.	0.6	19
101	Influence of ionic strength and pH on hydrophobicity and zeta potential of Giardia and Cryptosporidium. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002, 201, 201-206.	2.3	65
102	Time requirement for rapid-mixing in coagulation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002, 203, 1-9.	2.3	70
103	Biotreatment of Hydrogen Sulfide- and Ammonia-Containing Waste Gases by Fluidized Bed Bioreactor. <i>Journal of the Air and Waste Management Association</i> , 2001, 51, 163-172.	0.9	25
104	Evaluation of two concentration methods for detecting Giardia and Cryptosporidium in water. <i>Water Research</i> , 2001, 35, 419-424.	5.3	37
105	Filtration behaviors of giardia and cryptosporidium—ionic strength and pH effects. <i>Water Research</i> , 2001, 35, 3777-3782.	5.3	48
106	Biological elimination of H ₂ S and NH ₃ from wastegases by biofilter packed with immobilized heterotrophic bacteria. <i>Chemosphere</i> , 2001, 43, 1043-1050.	4.2	121
107	Heterogeneous and Homogeneous Catalytic Oxidation by Supported $\hat{1}^3$ -FeOOH in a Fluidized-Bed Reactor: Kinetic Approach. <i>Environmental Science & Technology</i> , 2001, 35, 1247-1251.	4.6	110
108	Analysis for Giardia cysts and Cryptosporidium oocysts in water samples from small water systems in Taiwan. <i>Parasitology Research</i> , 2001, 87, 163-168.	0.6	13

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109	Evaluation of immunomagnetic separation method for detection of Giardia for different reaction times and reaction volumes. <i>Parasitology Research</i> , 2001, 87, 472-474.	0.6	4
110	Performances of the Immunomagnetic Separation Method for Cryptosporidium in Water under Various Operation Conditions. <i>Biotechnology Progress</i> , 2001, 17, 1114-1118.	1.3	6
111	FEASIBILITY OF FLUIDIZED-BED BIOREACTOR FOR REMEDIATING WASTE GAS CONTAINING H ₂ S OR NH ₃ . <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2001, 36, 509-520.	0.9	7
112	Competitive Adsorption of Ferricyanide and Ferrocyanide on γ -Al ₂ O ₃ Surface. <i>Journal of Colloid and Interface Science</i> , 2000, 224, 291-296.	5.0	33
113	Recovery of Giardia and Cryptosporidium from Water by Various Concentration, Elution, and Purification Techniques. <i>Journal of Environmental Quality</i> , 2000, 29, 1587-1593.	1.0	17
114	Determination of the optimal dose of polyelectrolyte sludge conditioner considering particle sedimentation effects. <i>Journal of Environmental Management</i> , 2000, 4, 245-249.	1.7	5
115	Optimal condition for modification of chitosan: a biopolymer for coagulation of colloidal particles. <i>Water Research</i> , 2000, 34, 1057-1062.	5.3	100
116	Biotreatment of H ₂ S- and NH ₃ -containing waste gases by co-immobilized cells biofilter. <i>Chemosphere</i> , 2000, 41, 329-336.	4.2	88
117	Examination of Giardia and Cryptosporidium in water samples and fecal specimens in Taiwan. <i>Water Science and Technology</i> , 2000, 41, 87-92.	1.2	8
118	Evaluation of a modified chitosan biopolymer for coagulation of colloidal particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 147, 359-364.	2.3	122
119	Dewatering characteristics of algae-containing alum sludge. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 150, 185-190.	2.3	10
120	Decomposition of hydrogen peroxide in a catalytic fluidized-bed reactor. <i>Applied Catalysis A: General</i> , 1999, 185, 237-245.	2.2	35
121	Adsorption Behavior of Iron(II) Cyanide onto γ -Al ₂ O ₃ Interface: A Coagulation Approach. <i>Journal of Colloid and Interface Science</i> , 1999, 213, 204-207.	5.0	15
122	Treatment of high strength hexamine-containing wastewater by electro-Fenton method. <i>Water Research</i> , 1999, 33, 751-759.	5.3	152
123	Collision efficiencies of algae and kaolin in depth filter: the effect of surface properties of particles. <i>Water Research</i> , 1999, 33, 1278-1286.	5.3	18
124	Occurrence of Giardia and Cryptosporidium in the Kau-Ping River and its watershed in Southern Taiwan. <i>Water Research</i> , 1999, 33, 2701-2707.	5.3	20
125	Application of a supported iron oxyhydroxide catalyst in oxidation of benzoic acid by hydrogen peroxide. <i>Chemosphere</i> , 1999, 38, 2719-2731.	4.2	135
126	Effect of Fe ²⁺ on catalytic oxidation in a fluidized bed reactor. <i>Chemosphere</i> , 1999, 39, 1997-2006.	4.2	46

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127	The Role of Ionic Surfactants in Compression Dewatering of Alum Sludge. <i>Journal of Colloid and Interface Science</i> , 1998, 206, 181-188.	5.0	19
128	Biotreatment of ammonia in air by an immobilized <i>Nitrosomonas europaea</i> biofilter. <i>Environmental Progress</i> , 1998, 17, 70-76.	0.8	24
129	Bound water content and water binding strength on sludge flocs. <i>Water Research</i> , 1998, 32, 900-904.	5.3	52
130	Comparison of Autotrophic and Mixotrophic Biofilters for H ₂ S Removal. <i>Journal of Environmental Engineering, ASCE</i> , 1998, 124, 362-367.	0.7	26
131	Effects of Recycling-Sludge Operation on the Structure and Moisture Content of Floc in Water Treatment Plant. <i>Separation Science and Technology</i> , 1997, 32, 2873-2882.	1.3	2
132	Removal of Hydrogen Sulphide by Immobilized <i>Thiobacillus</i> sp. strain CH11 in a Biofilter. <i>Journal of Chemical Technology and Biotechnology</i> , 1997, 69, 58-62.	1.6	42
133	Expression Dewatering of Alum-Coagulated Clay Slurries. <i>Environmental Science & Technology</i> , 1997, 31, 1313-1319.	4.6	18
134	Removal characteristics of h ₂ s by <i>thiobacillus novellus</i> 3 biofilter in autotrophic and mixotrophic environments. <i>Journal of Environmental Science and Health Part A: Environmental Science and Engineering</i> , 1997, 32, 1435-1450.	0.1	8
135	Biotreatment of Ammonia from Air by an Immobilized <i>Arthrobacter oxydans</i> CH8 Biofilter. <i>Biotechnology Progress</i> , 1997, 13, 794-798.	1.3	42
136	Effects of polymer dosage on alum sludge dewatering characteristics and physical properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1997, 122, 89-96.	2.3	72
137	Polymer Dose Effects on Filtration Followed by Expression of Clay Slurries. <i>Journal of Colloid and Interface Science</i> , 1997, 185, 335-342.	5.0	45
138	Thermodynamic Parameters of Iron(II) Cyanide Adsorption onto γ -Al ₂ O ₃ . <i>Journal of Colloid and Interface Science</i> , 1997, 188, 270-274.	5.0	25
139	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
140	Automatic control for chemical dosing in laboratory-scale coagulation process by using an optical monitor. <i>Water Research</i> , 1996, 30, 1924-1929.	5.3	19
141	Operation optimization of <i>Thiobacillus thioautotrophicus</i> CH11 biofilter for hydrogen sulfide removal. <i>Journal of Biotechnology</i> , 1996, 52, 31-38.	1.9	112
142	Microbial oxidation of hydrogen sulfide with biofilter. <i>Journal of Environmental Science and Health Part A: Environmental Science and Engineering</i> , 1996, 31, 1263-1278.	0.1	11
143	Use of the fiber-optical monitor in evaluating the state of flocculation. <i>Water Research</i> , 1996, 30, 2723-2727.	5.3	18
144	Coagulation of Colloidal Particles in Water by Chitosan. <i>Journal of Chemical Technology and Biotechnology</i> , 1996, 66, 227-232.	1.6	101

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145	Adsorption Characteristics of Iron-Cyanide Complex on γ -Al ₂ O ₃ . Journal of Colloid and Interface Science, 1996, 181, 627-634.	5.0	34
146	Interactions between alum and organics in coagulation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1996, 113, 155-163.	2.3	75
147	Adsorption of Cu(II) and Ni(II) by pelletized biopolymer. Journal of Hazardous Materials, 1996, 45, 265-277.	6.5	195
148	Hydrogen sulfide removal by immobilized autotrophic and heterotrophic bacteria in the bioreactors. Biotechnology Letters, 1996, 10, 595-600.	0.5	21
149	Kinetics of hydrogen sulfide oxidation by immobilized autotrophic and heterotrophic bacteria in bioreactors. Biotechnology Letters, 1996, 10, 743.	0.5	22
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