

Ming Chun Lu

List of Publications by Year in descending order

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191
papers

6,709
citations

61945

43
h-index

85498

71
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194
all docs

194
docs citations

194
times ranked

5849
citing authors

#	ARTICLE	IF	CITATIONS
1	Zinc oxide nanoparticles for water disinfection. <i>Sustainable Environment Research</i> , 2018, 28, 47-56.	2.1	292
2	Catalytic Decomposition of Hydrogen Peroxide and 2-chlorophenol with iron oxides. <i>Water Research</i> , 2001, 35, 2291-2299.	5.3	241
3	Chemical Oxidation of 2,6-Dimethylaniline in the Fenton Process. <i>Environmental Science & Technology</i> , 2009, 43, 8629-8634.	4.6	221
4	Kinetics of aniline degradation by Fenton and electro-Fenton processes. <i>Water Research</i> , 2006, 40, 1841-1847.	5.3	151
5	Acetaminophen degradation by electro-Fenton and photoelectro-Fenton using a double cathode electrochemical cell. <i>Journal of Hazardous Materials</i> , 2012, 217-218, 200-207.	6.5	143
6	Catalytic decomposition of hydrogen peroxide and 4-chlorophenol in the presence of modified activated carbons. <i>Chemosphere</i> , 2003, 51, 935-943.	4.2	133
7	Fluidized-bed Fenton process as alternative wastewater treatment technology—A review. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 67, 211-225.	2.7	124
8	Oxidation of explosives by Fenton and photo-Fenton processes. <i>Water Research</i> , 2003, 37, 3172-3179.	5.3	122
9	Role of goethite dissolution in the oxidation of 2-chlorophenol with hydrogen peroxide. <i>Chemosphere</i> , 2002, 46, 131-136.	4.2	117
10	Oxidation of chlorophenols with hydrogen peroxide in the presence of goethite. <i>Chemosphere</i> , 2000, 40, 125-130.	4.2	116
11	Dewatering of activated sludge by Fenton's reagent. <i>Journal of Environmental Management</i> , 2003, 7, 667-670.	1.7	115
12	Oxidation of dichlorvos with hydrogen peroxide using ferrous ion as catalyst. <i>Journal of Hazardous Materials</i> , 1999, 65, 277-288.	6.5	110
13	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
14	The reactor design and comparison of Fenton, electro-Fenton and photoelectro-Fenton processes for mineralization of benzene sulfonic acid (BSA). <i>Journal of Hazardous Materials</i> , 2008, 156, 421-427.	6.5	106
15	Effect of inorganic ions on the oxidation of dichlorvos insecticide with Fenton's reagent. <i>Chemosphere</i> , 1997, 35, 2285-2293.	4.2	105
16	Kinetics of 2,6-dimethylaniline degradation by electro-Fenton process. <i>Journal of Hazardous Materials</i> , 2009, 161, 1484-1490.	6.5	102
17	Recovery of phosphorus from synthetic wastewaters by struvite crystallization in a fluidized-bed reactor: Effects of pH, phosphate concentration and coexisting ions. <i>Chemosphere</i> , 2017, 173, 466-473.	4.2	101
18	Effect of hydrogen peroxide on aniline oxidation by electro-Fenton and fluidized-bed Fenton processes. <i>Journal of Hazardous Materials</i> , 2010, 183, 888-893.	6.5	98

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19	Effect of chloride ions on the oxidation of aniline by Fenton's reagent. <i>Journal of Environmental Management</i> , 2005, 75, 177-182.	3.8	97
20	Ruthenium immobilized on Al ₂ O ₃ pellets as a catalyst for hydrogen generation from hydrolysis and methanolysis of sodium borohydride. <i>RSC Advances</i> , 2012, 2, 2073.	1.7	91
21	Fluoride-containing water: A global perspective and a pursuit to sustainable water defluoridation management -An overview. <i>Journal of Cleaner Production</i> , 2021, 280, 124236.	4.6	88
22	Degradation of acetaminophen by Fenton and electro-Fenton processes in aerator reactor. <i>Separation and Purification Technology</i> , 2012, 99, 8-13.	3.9	85
23	Chemical oxidation of 2,6-dimethylaniline by electrochemically generated Fenton's reagent. <i>Journal of Hazardous Materials</i> , 2010, 176, 92-98.	6.5	77
24	Effect of operating parameters on decolorization and COD removal of three reactive dyes by Fenton's reagent using fluidized-bed reactor. <i>Desalination</i> , 2011, 278, 211-218.	4.0	76
25	Kinetics of acetaminophen degradation by Fenton oxidation in a fluidized-bed reactor. <i>Chemosphere</i> , 2013, 90, 1444-1448.	4.2	76
26	Development of Al ₂ O ₃ carrier-Ru composite catalyst for hydrogen generation from alkaline NaBH ₄ hydrolysis. <i>Energy</i> , 2012, 46, 242-247.	4.5	70
27	Kinetics of nitrobenzene oxidation and iron crystallization in fluidized-bed Fenton process. <i>Journal of Hazardous Materials</i> , 2009, 165, 874-880.	6.5	62
28	Degradations of acetaminophen via a K ₂ S ₂ O ₈ -doped TiO ₂ photocatalyst under visible light irradiation. <i>Chemosphere</i> , 2016, 155, 388-394.	4.2	60
29	SiO ₂ -supported ferromagnetic catalysts for hydrogen generation from alkaline NaBH ₄ (sodium) Tj ETQq1 1 0.784314 rgBT /Overlock 10	4.5	59
30	Degradation and detoxification of formaline wastewater by advanced oxidation processes. <i>Journal of Hazardous Materials</i> , 2006, 135, 337-343.	6.5	55
31	Iron crystallization in a fluidized-bed Fenton process. <i>Water Research</i> , 2011, 45, 3255-3262.	5.3	54
32	Oxidation of TNT by photo-Fenton process. <i>Chemosphere</i> , 2004, 57, 1107-1114.	4.2	53
33	Application of visible light on copper-doped titanium dioxide catalyzing degradation of chlorophenols. <i>Separation and Purification Technology</i> , 2018, 191, 233-243.	3.9	52
34	Formaldehyde degradation in the presence of methanol by photo-Fenton process. <i>Journal of Environmental Management</i> , 2008, 86, 545-553.	3.8	51
35	Degradation of dimethyl sulfoxide through fluidized-bed Fenton process. <i>Journal of Hazardous Materials</i> , 2015, 300, 218-226.	6.5	51
36	Inhibitory effect of inorganic ions on nitrobenzene oxidation by fluidized-bed Fenton process. <i>Journal of Molecular Catalysis A</i> , 2010, 331, 101-105.	4.8	48

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37	Effect of UV light on acetaminophen degradation in the electro-Fenton process. Separation and Purification Technology, 2013, 120, 43-51.	3.9	47
38	Phosphorous recovery by means of fluidized bed homogeneous crystallization of calcium phosphate. Influence of operational variables and electrolytes on brushite homogeneous crystallization. Journal of the Taiwan Institute of Chemical Engineers, 2018, 83, 124-132.	2.7	47
39	Catalytic degradation of nitroaromatic explosives with Fenton's reagent. Journal of Molecular Catalysis A, 2007, 277, 155-163.	4.8	46
40	Effect of operating parameters on the decolorization and oxidation of textile wastewater by the fluidized-bed Fenton process. Separation and Purification Technology, 2011, 83, 100-105.	3.9	46
41	Novel Technology for Bio-diesel Production from Cooking and Waste Cooking Oil by Microwave Irradiation. Energy Procedia, 2015, 75, 84-91.	1.8	46
42	Photocatalytic oxidation of acetaminophen using carbon self-doped titanium dioxide. Sustainable Environment Research, 2016, 26, 161-167.	2.1	46
43	Effect of adsorbents coated with titanium dioxide on the photocatalytic degradation of propoxur. Chemosphere, 1999, 38, 617-627.	4.2	45
44	Synthesis and catalytic utilization of bimetallic systems for wastewater remediation: A review. Chemosphere, 2021, 262, 128371.	4.2	42
45	Adsorption characteristics of dichlorvos onto hydrous titanium dioxide surface. Water Research, 1996, 30, 1670-1676.	5.3	41
46	A statistical experimental design to determine o-toluidine degradation by the photo-Fenton process. Chemical Engineering Journal, 2010, 159, 116-122.	6.6	41
47	Degradation of gaseous formaldehyde via visible light photocatalysis using multi-element doped titania nanoparticles. Chemosphere, 2017, 182, 174-182.	4.2	41
48	Kinetics of sulfur removal in high shear mixing-assisted oxidative-adsorptive desulfurization of diesel. Journal of Cleaner Production, 2018, 178, 468-475.	4.6	41
49	Photocatalytic oxidation of gaseous DMF using thin film TiO ₂ photocatalyst. Chemosphere, 2005, 58, 1071-1078.	4.2	40
50	Catalytic degradation of explosives with goethite and hydrogen peroxide. Journal of Hazardous Materials, 2008, 151, 540-546.	6.5	40
51	Removal and recovery of lead in a fluidized-bed reactor by crystallization process. Hydrometallurgy, 2015, 155, 6-12.	1.8	40
52	Using activated clay for adsorption of sulfone compounds in diesel. Journal of Cleaner Production, 2016, 124, 378-382.	4.6	40
53	Treatment of TFT-LCD wastewater containing ethanolamine by fluidized-bed Fenton technology. Bioresource Technology, 2012, 113, 272-275.	4.8	39
54	Nickel recovery from synthetic Watts bath electroplating wastewater by homogeneous fluidized bed granulation process. Separation and Purification Technology, 2016, 169, 128-136.	3.9	39

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55	Fluidized-bed Fenton treatment of imidacloprid: Optimization and degradation pathway. Sustainable Environment Research, 2018, 28, 309-314.	2.1	39
56	Removal of 4-chlorophenol by visible-light photocatalysis using ammonium iron(II) sulfate-doped nano-titania. Chemical Engineering Research and Design, 2019, 125, 121-128.	2.7	39
57	Kinetics and mechanism of 2,6-dimethyl-aniline degradation by hydroxyl radicals. Journal of Hazardous Materials, 2009, 172, 952-957.	6.5	38
58	Kinetics of 2,6-dimethylaniline oxidation by various Fenton processes. Journal of Hazardous Materials, 2011, 192, 347-53.	6.5	38
59	Magnesium phosphate crystallization in a fluidized-bed reactor: Effects of pH, Mg:P molar ratio and seed. Separation and Purification Technology, 2014, 125, 90-96.	3.9	38
60	The Oxidative Desulfurization of Fuels with a Transition Metal Catalyst: A Comparative Assessment of Different Mixing Techniques. International Journal of Green Energy, 2014, 11, 833-848.	2.1	37
61	Mineralization of 2,6-dimethylaniline by photoelectro-Fenton process. Applied Catalysis A: General, 2010, 384, 128-135.	2.2	36
62	Removal of monoethanolamine and phosphate from thin-film transistor liquid crystal display (TFT-LCD) wastewater by the fluidized-bed Fenton process. Chemical Engineering Journal, 2013, 222, 128-135.	6.6	36
63	Removal of nickel by homogeneous granulation in a fluidized-bed reactor. Chemosphere, 2016, 164, 59-67.	4.2	35
64	Factors that influence degradation of acetaminophen by Fenton processes. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 565-570.	2.7	34
65	Removal and recovery of calcium from aqueous solutions by fluidized-bed homogeneous crystallization. Chemical Engineering Research and Design, 2019, 128, 307-315.	2.7	33
66	Role of cupric ions in the H ₂ O ₂ /UV oxidation of humic acids. Chemosphere, 2001, 44, 913-919.	4.2	32
67	Comparison of dimethyl sulfoxide degradation by different Fenton processes. Chemical Engineering Journal, 2013, 232, 418-424.	6.6	32
68	Effect of catalyst calcination temperature in the visible light photocatalytic oxidation of gaseous formaldehyde by multi-element doped titanium dioxide. Environmental Science and Pollution Research, 2018, 25, 15216-15225.	2.7	32
69	Comparison of o-toluidine degradation by Fenton, electro-Fenton and photoelectro-Fenton processes. Journal of Hazardous Materials, 2011, 196, 395-401.	6.5	31
70	Photocatalytic degradation of acetaminophen in modified TiO ₂ under visible irradiation. Environmental Science and Pollution Research, 2014, 21, 1208-1216.	2.7	30
71	Phosphate recovery from fluidized-bed wastewater by struvite crystallization technology. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 2395-2402.	2.7	30
72	Enhancement of biodegradability of o-toluidine effluents by electro-assisted photo-Fenton treatment. Chemical Engineering Research and Design, 2017, 106, 60-67.	2.7	30

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73	Intermediate inhibition in the heterogeneous UV-catalysis using a TiO ₂ suspension system. <i>Chemosphere</i> , 2001, 45, 29-35.	4.2	29
74	Chemical precipitation at extreme fluoride concentration and potential recovery of CaF ₂ particles by fluidized-bed homogenous crystallization process. <i>Chemical Engineering Journal</i> , 2021, 415, 128917.	6.6	29
75	Ultrasound-assisted oxidative desulfurization (UAOD) using phosphotungstic acid: effect of process parameters on sulfur removal. <i>Desalination and Water Treatment</i> , 2012, 47, 96-104.	1.0	28
76	Removal of copper ions from aqueous solution by adlai shell (<i>Coix lacryma-jobi</i> L.) adsorbents. <i>Bioresource Technology</i> , 2015, 192, 841-844.	4.8	28
77	Fluoride network and circular economy as potential model for sustainable development-A review. <i>Chemosphere</i> , 2020, 239, 124662.	4.2	28
78	Photocatalytic activity of tungsten-doped TiO ₂ with hydrothermal treatment under blue light irradiation. <i>Journal of Environmental Management</i> , 2011, 92, 2272-2276.	3.8	27
79	Oxidation of aniline by titanium dioxide activated with visible light. <i>Separation and Purification Technology</i> , 2012, 84, 132-137.	3.9	27
80	Degradation of aniline catalyzed by heterogeneous Fenton-like reaction using iron oxide/SiO ₂ . <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 187-192.	1.3	27
81	Degradation of acetaminophen in an aerated Fenton reactor. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2013, 44, 310-316.	2.7	27
82	Catalytic treatment of petrochemical wastewater by electroassisted Fenton technologies. <i>Reaction Kinetics and Catalysis Letters</i> , 2007, 92, 41-48.	0.6	26
83	Recovery of oxalate from bauxite wastewater using fluidized-bed homogeneous granulation process. <i>Journal of Cleaner Production</i> , 2017, 154, 130-138.	4.6	26
84	Kinetics of Mixing-Assisted Oxidative Desulfurization of Dibenzothiophene in Toluene Using a Phosphotungstic Acid/Hydrogen Peroxide System: Effects of Operating Conditions. <i>Energy & Fuels</i> , 2017, 31, 9923-9929.	2.5	26
85	Water reuse nexus with resource recovery: On the fluidized-bed homogeneous crystallization of copper and phosphate from semiconductor wastewater. <i>Journal of Cleaner Production</i> , 2019, 236, 117705.	4.6	26
86	Disinfection of indoor air microorganisms in stack room of university library using gaseous chlorine dioxide. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 17.	1.3	25
87	Heterogeneous Photocatalytic Oxidation of Acetone for Air Purification by Near UV-Irradiated Titanium Dioxide. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2003, 38, 1131-1143.	0.9	24
88	Kinetic study of acetaminophen degradation by visible light photocatalysis. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 892-899.	0.9	24
89	Solidification/stabilization of fly ash from city refuse incinerator facility and heavy metal sludge with cement additives. <i>Environmental Science and Pollution Research</i> , 2017, 24, 1748-1756.	2.7	24
90	PHOTOCATALYTIC MINERALIZATION OF TOXIC CHEMICALS WITH ILLUMINATED TiO ₂ . <i>Chemical Engineering Communications</i> , 1995, 139, 1-13.	1.5	23

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91	Recovery of copper salts by fluidized-bed homogeneous granulation process: High selectivity on malachite crystallization. <i>Hydrometallurgy</i> , 2019, 186, 66-72.	1.8	23
92	Degradation of o-toluidine by fluidized-bed Fenton process: statistical and kinetic study. <i>Environmental Science and Pollution Research</i> , 2012, 19, 169-176.	2.7	22
93	The effect of the composition of tri-elemental doping (K, Al, S) on the photocatalytic performance of synthesized TiO ₂ nanoparticles in oxidizing 2-chlorophenol over visible light illumination. <i>Applied Catalysis A: General</i> , 2011, 401, 233-238.	2.2	21
94	Treatment of thin film transistor-liquid crystal display (TFT-LCD) wastewater by the electro-Fenton process. <i>Separation and Purification Technology</i> , 2015, 145, 104-112.	3.9	21
95	Removal of zinc based on a screw manufacturing plant wastewater by fluidized-bed homogeneous granulation process. <i>Journal of Cleaner Production</i> , 2019, 230, 1276-1286.	4.6	21
96	Optimum recovery of phosphate from simulated wastewater by unseeded fluidized-bed crystallization process. <i>Separation and Purification Technology</i> , 2019, 212, 783-790.	3.9	21
97	Removal of sulfate by fluidized bed crystallization process. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 2431-2439.	3.3	21
98	Influence of pH on the dewatering of activated sludge by Fenton's reagent. <i>Water Science and Technology</i> , 2001, 44, 327-32.	1.2	21
99	Characteristics of photocatalytic oxidation of gaseous 2-propanol using thin-film TiO ₂ photocatalyst. <i>Journal of Chemical Technology and Biotechnology</i> , 2004, 79, 1293-1300.	1.6	20
100	Oxidation of Aniline with Sulfate Radicals in the Presence of Citric Acid. <i>Environmental Engineering Science</i> , 2011, 28, 207-215.	0.8	20
101	Optimization of acetaminophen degradation by fluidized-bed Fenton process. <i>Desalination and Water Treatment</i> , 2012, 45, 100-111.	1.0	20
102	Removal of oxidized sulfur compounds using different types of activated carbon, aluminum oxide, and chitosan-coated bentonite. <i>Desalination and Water Treatment</i> , 2014, 52, 873-879.	1.0	20
103	Electro-assisted Fenton treatment of ammunition wastewater containing nitramine explosives. <i>Chemical Engineering Research and Design</i> , 2017, 109, 429-436.	2.7	20
104	Calcium-based seeded precipitation for simultaneous removal of fluoride and phosphate: Its optimization using BBD-RSM and defluoridation mechanism. <i>Journal of Water Process Engineering</i> , 2022, 47, 102658.	2.6	20
105	Comparison of Aniline Oxidation by Electro-Fenton and Fluidized-Bed Fenton Processes. <i>Journal of Environmental Engineering, ASCE</i> , 2011, 137, 363-370.	0.7	19
106	Factors affecting degradation of dimethyl sulfoxide (DMSO) by fluidized-bed Fenton process. <i>Environmental Science and Pollution Research</i> , 2014, 21, 14158-14165.	2.7	19
107	Isotherm and Thermodynamic Studies on the Removal of Sulfur from Diesel Fuel by Mixing-Assisted Oxidative Adsorptive Desulfurization Technology. <i>Energy & Fuels</i> , 2019, 33, 1098-1105.	2.5	19
108	Application of chlorine dioxide for disinfection of student health centers. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 741-747.	1.3	18

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109	Adsorption of dibenzothiophene sulfone from fuel using chitosan-coated bentonite (CCB) as biosorbent. <i>Desalination and Water Treatment</i> , 2016, 57, 5108-5118.	1.0	18
110	Calcium carbonate granulation in a fluidized-bed reactor: Kinetic, parametric and granule characterization analyses. <i>Chemical Engineering Journal</i> , 2020, 382, 122879.	6.6	18
111	Operating pH influences homogeneous calcium carbonate granulation in the frame of CO ₂ capture. <i>Journal of Cleaner Production</i> , 2020, 272, 122325.	4.6	18
112	Recovery of cobalt and copper from single- and co-contaminated simulated electroplating wastewater via carbonate and hydroxide precipitation. <i>Sustainable Environment Research</i> , 2022, 32, .	2.1	18
113	Influence of Surface Modification on Catalytic Activity of Activated Carbon Toward Decomposition of Hydrogen Peroxide and 2-Chlorophenol. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2003, 38, 1233-1246.	0.9	17
114	Removal of 2,4-dichlorophenol as herbicide's by-product by Fenton's reagent combined with an electrochemical system. <i>Desalination and Water Treatment</i> , 2011, 32, 42-48.	1.0	17
115	Multivariate optimization of phosphate removal and recovery from aqueous solution by struvite crystallization in a fluidized-bed reactor. <i>Desalination and Water Treatment</i> , 2015, 55, 496-505.	1.0	17
116	Implementation of fluidized-bed Fenton as pre-treatment to reduce chemical oxygen demand of wastewater from screw manufacture: Influence of reagents feeding mode. <i>Separation and Purification Technology</i> , 2018, 202, 275-280.	3.9	17
117	Electroplating sludge handling by solidification/stabilization process: a comprehensive assessment using kaolinite clay, waste latex paint and calcium chloride cement additives. <i>Journal of Material Cycles and Waste Management</i> , 2019, 21, 1505-1517.	1.6	17
118	Enhanced recovery of aluminum from wastewater using a fluidized bed homogeneously dispersed granular reactor. <i>Chemosphere</i> , 2019, 223, 330-341.	4.2	17
119	Tributyltin distribution and producing androgenic activity in water, sediment, and fish muscle. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2014, 49, 432-438.	0.7	16
120	Effect of calcination time of a quadruple-element doped titania nanoparticles in the photodegradation of gaseous formaldehyde under blue light irradiation. <i>Chemosphere</i> , 2020, 246, 125763.	4.2	16
121	Beyond carbon capture towards resource recovery and utilization: fluidized-bed homogeneous granulation of calcium carbonate from captured CO ₂ . <i>Chemosphere</i> , 2020, 250, 126325.	4.2	16
122	Microtox bioassay of photodegradation products from photocatalytic oxidation of pesticides. <i>Chemosphere</i> , 1993, 27, 1637-1647.	4.2	15
123	Seasonal Variations of Heavy Metals Content in Muscle and Viscera of Green-Lipped Mussel (<i>Perna viridis</i>) From Da-Peng Bay Lagoon in Taiwan. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2014, 77, 1222-1228.	1.1	15
124	Degradation of dimethyl sulfoxide through fluidized-bed Fenton process: kinetic analysis. <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 1017-1028.	1.8	15
125	Electrochemically-driven regeneration of iron (II) enhances Fenton abatement of pesticide cartap. <i>Journal of Hazardous Materials</i> , 2022, 421, 126713.	6.5	15
126	Photocatalytic oxidation of dichlorvos in the presence of hydrogen peroxide and ferrous ion. <i>Water Science and Technology</i> , 1994, 30, 29-38.	1.2	15

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127	Effect of carrier composition on 2,6-dimethylaniline degradation in aqueous solution by fluidized-bed Fenton process. <i>Environmental Technology (United Kingdom)</i> , 2011, 32, 1233-1237.	1.2	14
128	Effect of EDTA and CH ₂ O on copper recovery from simulated electroless copper plating spent rinse water by unseeded fluidized-bed granulation process. <i>Separation and Purification Technology</i> , 2020, 253, 117460.	3.9	14
129	Persulfate oxidation for the aniline degradation in aqueous systems. <i>Water Science and Technology</i> , 2011, 63, 1434-1440.	1.2	13
130	Treatment of explosive-contaminated wastewater through the Fenton process. <i>Desalination and Water Treatment</i> , 2013, 51, 2820-2825.	1.0	13
131	Optimization of visible-light photocatalytic degradation of acetaminophen by K ₃ [Fe(CN) ₆]-modified TiO ₂ . <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 49, 129-135.	2.7	13
132	Photocatalytic oxidation of propoxur insecticide with titanium dioxide supported on activated carbon. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 1999, 34, 207-223.	0.7	12
133	UV-Catalyzed Hydrogen Peroxide Treatment of Textile Wastewater. <i>Environmental Engineering Science</i> , 2000, 17, 9-18.	0.8	12
134	Treatment of Aqueous Nitrate by Zero Valent Iron Powder in the Presence of CO ₂ Bubbling. <i>Ground Water Monitoring and Remediation</i> , 2004, 24, 82-87.	0.6	12
135	Synthesis and characterization of Co/SiO ₂ as catalyst catalyze hydrogen generation. <i>Materials Letters</i> , 2011, 65, 3212-3215.	1.3	12
136	Degradation of azo dye by the fluidised-bed Fenton process. <i>Coloration Technology</i> , 2012, 128, 28-35.	0.7	12
137	Effect of operating parameters on triclosan degradation by Fenton's reagents combined with an electrochemical system. <i>Desalination and Water Treatment</i> , 2014, 52, 920-928.	1.0	12
138	Adsorption of Sulfur Compounds from Diesel with Ion-Impregnated Activated Carbons. <i>Energy & Fuels</i> , 2016, 30, 3870-3878.	2.5	12
139	Dechlorination of Hexachlorobenzene by Zero-Valent Iron. <i>Practice Periodical of Hazardous, Toxic and Radioactive Waste Management</i> , 2004, 8, 136-140.	0.4	11
140	Verification of competitive kinetics technique and oxidation kinetics of 2,6-dimethyl-aniline and o-toluidine by Fenton process. <i>Journal of Hazardous Materials</i> , 2011, 188, 269-273.	6.5	11
141	Oxidation of 2,6-dimethylaniline by the fluidized-bed Fenton process. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2010, 101, 301-311.	0.8	10
142	Effect of the iron oxide catalyst on o-toluidine oxidation by the fluidized-bed Fenton process. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 89-94.	1.2	10
143	Doping TiO ₂ with CuSO ₄ enhances visible light photocatalytic activity for organic pollutant degradation. <i>Environmental Science and Pollution Research</i> , 2020, 27, 24604-24613.	2.7	10
144	Improvement of the air quality in student health centers with chlorine dioxide. <i>International Journal of Environmental Health Research</i> , 2010, 20, 115-127.	1.3	9

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145	Effect of Gaseous Chlorine Dioxide on Student Cafeteria Bioaerosols. <i>Clean - Soil, Air, Water</i> , 2014, 42, 12-19.	0.7	9
146	Degradation of aniline by plate and rod electrode ferredâ€fenton reactors: Effects of current density, Fe^{2+} , H_2O_2 , and aniline concentrations. <i>Environmental Progress and Sustainable Energy</i> , 2014, 33, 410-418.	1.3	9
147	Barium recovery by crystallization in a fluidized-bed reactor: Effects of pH, Ba/P molar ratio and seed. <i>Chemosphere</i> , 2014, 105, 100-105.	4.2	9
148	Degradation of acetaminophen by different Fenton processes. <i>Desalination and Water Treatment</i> , 2015, 56, 1372-1378.	1.0	9
149	Synthesis of novel potassium peroxodisulfate-modified titanium dioxide for photocatalytic oxidation of acetaminophen under visible light irradiation. <i>International Journal of Environmental Science and Technology</i> , 2017, 14, 973-982.	1.8	9
150	Disinfection efficiency of hospital infectious disease wards with chlorine dioxide and hypochlorous acid. <i>Aerobiologia</i> , 2021, 37, 29-38.	0.7	9
151	Investigation and disinfection of bacteria and fungi in sports fitness center. <i>Environmental Science and Pollution Research</i> , 2021, 28, 52576-52586.	2.7	9
152	Tohdite recovery from water by fluidized-bed homogeneous granulation process. , 0, 96, 224-230.		9
153	Synergistic degradation of Methylene Blue by novel Fe-Co bimetallic catalyst supported on waste silica in photo-Fenton-like system. <i>Sustainable Environment Research</i> , 2022, 32, .	2.1	9
154	Catalytic action of goethite in the oxidation of 2-chlorophenols with hydrogen peroxide. <i>Water Science and Technology</i> , 2007, 55, 101-106.	1.2	8
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