

# Ming Chun Lu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/140157/publications.pdf>

Version: 2024-02-01

191  
papers

6,709  
citations

61945

43  
h-index

85498

71  
g-index

194  
all docs

194  
docs citations

194  
times ranked

5849  
citing authors

#	ARTICLE	IF	CITATIONS
1	Remediation of oxalate in a homogeneous granulation process in the frame of crystallization. <i>Chemical Engineering Communications</i> , 2022, 209, 378-389.	1.5	7
2	Kinetics and thermodynamics of organo-sulfur-compound desorption from saturated neutral activated alumina. <i>Environmental Science and Pollution Research</i> , 2022, 29, 12473-12483.	2.7	4
3	Electrochemically-driven regeneration of iron (II) enhances Fenton abatement of pesticide cartap. <i>Journal of Hazardous Materials</i> , 2022, 421, 126713.	6.5	15
4	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
5	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
6	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
7	Treatment of synthetic zinc and nickel wastewater and identification of its crystallization products by fluidized bed homogeneous crystallization technology. <i>Chemical Engineering Research and Design</i> , 2022, 164, 154-163.	2.7	5
8	Degradation of imidacloprid by fluidized-bed Fenton process. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108193.	3.3	3
9	Cartap removal from simulated water matrices by fluidized-bed Fenton process: optimization of process parameters. <i>Environmental Science and Pollution Research</i> , 2021, 28, 40587-40597.	2.7	6
10	Synthesis and catalytic utilization of bimetallic systems for wastewater remediation: A review. <i>Chemosphere</i> , 2021, 262, 128371.	4.2	42
11	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
12	Disinfection efficiency of hospital infectious disease wards with chlorine dioxide and hypochlorous acid. <i>Aerobiologia</i> , 2021, 37, 29-38.	0.7	9
13	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
14	Competitive effect of copper and nickel recovery with carbonate in the fluidized-bed homogeneous granulation process. <i>Environmental Science and Pollution Research</i> , 2021, , 1.	2.7	4
15	Chemical precipitation at extreme fluoride concentration and potential recovery of CaF <sub>2</sub> particles by fluidized-bed homogenous crystallization process. <i>Chemical Engineering Journal</i> , 2021, 415, 128917.	6.6	29
16	Fluoride-rich wastewater treatment by ballast-assisted precipitation with the selection of precipitants and discarded or recovered materials as ballast. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105713.	3.3	8
17	Remediation of cobalt from semiconductor wastewater in the frame of fluidized-bed homogeneous granulation process. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105936.	3.3	7
18	Fluidized-bed homogeneous granulation process: Comparison of individual and mixed precipitation of cobalt and copper. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106644.	3.3	5

#	ARTICLE	IF	CITATIONS
19	Recovery of zinc granules from synthetic electroplating wastewater using fluidized-bed homogeneous crystallization process. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 129-142.	1.8	8
20	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
21	Doping TiO <sub>2</sub> with CuSO <sub>4</sub> enhances visible light photocatalytic activity for organic pollutant degradation. <i>Environmental Science and Pollution Research</i> , 2020, 27, 24604-24613.	2.7	10
22	Fluoride network and circular economy as potential model for sustainable development-A review. <i>Chemosphere</i> , 2020, 239, 124662.	4.2	28
23	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
24	Effect of EDTA and CH <sub>2</sub> 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
25	Operating pH influences homogeneous calcium carbonate granulation in the frame of CO <sub>2</sub> capture. <i>Journal of Cleaner Production</i> , 2020, 272, 122325.	4.6	18
26	Beyond carbon capture towards resource recovery and utilization: fluidized-bed homogeneous granulation of calcium carbonate from captured CO <sub>2</sub> . <i>Chemosphere</i> , 2020, 250, 126325.	4.2	16
27	A Kinetic Study of Calcium Carbonate Granulation Through Fluidized-Bed Homogeneous Process for Removal of Calcium-Hardness from Raw and Tap Waters. <i>Advances in Science, Technology and Innovation</i> , 2020, , 199-201.	0.2	2
28	Treatment of Printed Circuit Board Wastewater Containing Copper and Nickel Ions by Fluidized-Bed Homogeneous Granulation Process. <i>Advances in Science, Technology and Innovation</i> , 2020, , 191-193.	0.2	0
29	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
30	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
31	Oxidative desulfurization of dibenzothiophene via high-shear mixing with phosphotungstic acid: the influence of calcination temperature on kinetics and catalytic activity. <i>Clean Technologies and Environmental Policy</i> , 2019, 21, 1459-1469.	2.1	5
32	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
33	Removal and recovery of calcium from aqueous solutions by fluidized-bed homogeneous crystallization. <i>Chemical Engineering Research and Design</i> , 2019, 128, 307-315.	2.7	33
34	Removal of 4-chlorophenol by visible-light photocatalysis using ammonium iron(II) sulfate-doped nano-titania. <i>Chemical Engineering Research and Design</i> , 2019, 125, 121-128.	2.7	39
35	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
36	Enhanced recovery of aluminum from wastewater using a fluidized bed homogeneously dispersed granular reactor. <i>Chemosphere</i> , 2019, 223, 330-341.	4.2	17

#	ARTICLE	IF	CITATIONS
37	Isotherm and Thermodynamic Studies on the Removal of Sulfur from Diesel Fuel by Mixing-Assisted Oxidative-Adsorptive Desulfurization Technology. <i>Energy &amp; Fuels</i> , 2019, 33, 1098-1105.	2.5	19
38	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
39	Effect of catalyst calcination temperature in the visible light photocatalytic oxidation of gaseous formaldehyde by multi-element doped titanium dioxide. <i>Environmental Science and Pollution Research</i> , 2018, 25, 15216-15225.	2.7	32
40	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
41	Kinetics of sulfur removal in high shear mixing-assisted oxidative-adsorptive desulfurization of diesel. <i>Journal of Cleaner Production</i> , 2018, 178, 468-475.	4.6	41
42	Phosphorous recovery by means of fluidized bed homogeneous crystallization of calcium phosphate. Influence of operational variables and electrolytes on brushite homogeneous crystallization. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 83, 124-132.	2.7	47
43	Statistical evaluation of disinfection performance of chlorine dioxide and WAHW in improving indoor air quality of university library. <i>Journal of Aerosol Science</i> , 2018, 115, 113-120.	1.8	6
44	Zinc oxide nanoparticles for water disinfection. <i>Sustainable Environment Research</i> , 2018, 28, 47-56.	2.1	292
45	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
46	Fluidized-bed Fenton treatment of imidacloprid: Optimization and degradation pathway. <i>Sustainable Environment Research</i> , 2018, 28, 309-314.	2.1	39
47	Improvement of indoor air quality in pet shop using gaseous chlorine dioxide. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 371.	1.3	5
48	FBR Technology: Its Potential Application on Reuse of Industrial Wastewater. <i>International Journal of Environment and Sustainability</i> , 2018, 6, .	0.3	0
49	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
50	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
51	Removal of COD from TFT-LCD Wastewater by Electro-Fenton Technology Using a Tubular Reactor. <i>Journal of Environmental Engineering, ASCE</i> , 2017, 143, 04017018.	0.7	2
52	Degradation of imidacloprid insecticide in a binary mixture with propylene glycol by conventional fenton process. <i>Journal of Advanced Oxidation Technologies</i> , 2017, 20, .	0.5	4
53	Degradation of gaseous formaldehyde via visible light photocatalysis using multi-element doped titania nanoparticles. <i>Chemosphere</i> , 2017, 182, 174-182.	4.2	41
54	Electro-assisted Fenton treatment of ammunition wastewater containing nitramine explosives. <i>Chemical Engineering Research and Design</i> , 2017, 109, 429-436.	2.7	20

#	ARTICLE	IF	CITATIONS
55	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
56	Enhancement of biodegradability of o -toluidine effluents by electro-assisted photo-Fenton treatment. <i>Chemical Engineering Research and Design</i> , 2017, 106, 60-67.	2.7	30
57	A statistical experimental design to remove sulfate by crystallization in a fluidized-bed reactor. <i>Sustainable Environment Research</i> , 2017, 27, 117-124.	2.1	8
58	Kinetics of Mixing-Assisted Oxidative Desulfurization of Dibenzothiophene in Toluene Using a Phosphotungstic Acid/Hydrogen Peroxide System: Effects of Operating Conditions. <i>Energy &amp; Fuels</i> , 2017, 31, 9923-9929.	2.5	26
59	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
60	Removal of sulfate by fluidized bed crystallization process. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 2431-2439.	3.3	21
61	Factors affecting treatment of <sc>TFT&LCD</sc> wastewater by fenton and electro&fenton processes. <i>Environmental Progress and Sustainable Energy</i> , 2016, 35, 368-373.	1.3	5
62	Effects of doping amounts of potassium ferricyanide with titanium dioxide and calcination durations on visible-light degradation of pharmaceuticals. <i>Environmental Science and Pollution Research</i> , 2016, 23, 22721-22733.	2.7	8
63	Photocatalytic oxidation of acetaminophen using carbon self-doped titanium dioxide. <i>Sustainable Environment Research</i> , 2016, 26, 161-167.	2.1	46
64	Degradations of acetaminophen via a K <sub>2</sub> S <sub>2</sub> O <sub>8</sub> -doped TiO <sub>2</sub> photocatalyst under visible light irradiation. <i>Chemosphere</i> , 2016, 155, 388-394.	4.2	60
65	Using activated clay for adsorption of sulfone compounds in diesel. <i>Journal of Cleaner Production</i> , 2016, 124, 378-382.	4.6	40
66	Adsorption of Sulfur Compounds from Diesel with Ion-Impregnated Activated Carbons. <i>Energy &amp; Fuels</i> , 2016, 30, 3870-3878.	2.5	12
67	Removal of nickel by homogeneous granulation in a fluidized-bed reactor. <i>Chemosphere</i> , 2016, 164, 59-67.	4.2	35
68	Fluidized-bed Fenton process as alternative wastewater treatment technology&quot;A review. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 67, 211-225.	2.7	124
69	Nickel recovery from synthetic Watts bath electroplating wastewater by homogeneous fluidized bed granulation process. <i>Separation and Purification Technology</i> , 2016, 169, 128-136.	3.9	39
70	The electrodeless preparation of M (M&=Pt, Pd, Ru, Cu) NiCo oxide/graphite electrodes for the electrochemical inactivation of&quot;Escherichia coli. <i>Sustainable Environment Research</i> , 2016, 26, 1-13.	2.1	6
71	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
72	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

#	ARTICLE	IF	CITATIONS
73	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
74	Kinetics of electro-Fenton ferrous regeneration (EFFR) on chlorinated organic compound degradation. <i>Desalination and Water Treatment</i> , 2015, 54, 1044-1053.	1.0	3
75	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
76	Degradation of acetaminophen by different Fenton processes. <i>Desalination and Water Treatment</i> , 2015, 56, 1372-1378.	1.0	9
77	Degradation of dimethyl sulfoxide through fluidized-bed Fenton process. <i>Journal of Hazardous Materials</i> , 2015, 300, 218-226.	6.5	51
78	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
79	Optimization of visible-light photocatalytic degradation of acetaminophen by K <sub>3</sub> [Fe(CN) <sub>6</sub> ]-modified TiO <sub>2</sub> . <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 49, 129-135.	2.7	13
80	Removal and recovery of lead in a fluidized-bed reactor by crystallization process. <i>Hydrometallurgy</i> , 2015, 155, 6-12.	1.8	40
81	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
82	Novel Technology for Bio-diesel Production from Cooking and Waste Cooking Oil by Microwave Irradiation. <i>Energy Procedia</i> , 2015, 75, 84-91.	1.8	46
83	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
84	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
85	Heavy Metals in Bivalve Mollusks Collected From Da-Peng Bay Lagoon in South-Southwestern Taiwan. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2014, 77, 214-222.	1.1	7
86	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
87	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
88	Effect of Gaseous Chlorine Dioxide on Student Cafeteria Bioaerosols. <i>Clean - Soil, Air, Water</i> , 2014, 42, 12-19.	0.7	9
89	Degradation of aniline by plate and rod electrode Fenton reactors: Effects of current density, Fe <sup>2+</sup> , H <sub>2</sub> O <sub>2</sub> , and aniline concentrations. <i>Environmental Progress and Sustainable Energy</i> , 2014, 33, 410-418.	1.3	9
90	Magnesium phosphate crystallization in a fluidized-bed reactor: Effects of pH, Mg:P molar ratio and seed. <i>Separation and Purification Technology</i> , 2014, 125, 90-96.	3.9	38

#	ARTICLE	IF	CITATIONS
91	Photocatalytic degradation of acetaminophen in modified TiO <sub>2</sub> under visible irradiation. <i>Environmental Science and Pollution Research</i> , 2014, 21, 1208-1216.	2.7	30
92	Factors that influence degradation of acetaminophen by Fenton processes. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 565-570.	2.7	34
93	Effect of the iron oxide catalyst on <i>o</i> -toluidine oxidation by the fluidized-bed Fenton process. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 89-94.	1.2	10
94	The Oxidative Desulfurization of Fuels with a Transition Metal Catalyst: A Comparative Assessment of Different Mixing Techniques. <i>International Journal of Green Energy</i> , 2014, 11, 833-848.	2.1	37
95	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
96	Factors Affecting Fenton Oxidation of Acetaminophen in a Fluidized-Bed Reactor. <i>Journal of Environmental Engineering, ASCE</i> , 2014, 140, 77-83.	0.7	6
97	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
98	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
99	Phosphate recovery from fluidized-bed wastewater by struvite crystallization technology. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 2395-2402.	2.7	30
100	Degradation of aniline catalyzed by heterogeneous Fenton-like reaction using iron oxide/SiO <sub>2</sub> . <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 187-192.	1.3	27
101	Comparison of Aniline Degradation by Fenton and Electro-Fenton Reactors Using Plate and Rod Electrodes. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 1111-1117.	1.3	7
102	Removal of monoethanolamine and phosphate from thin-film transistor liquid crystal display (TFT-LCD) wastewater by the fluidized-bed Fenton process. <i>Chemical Engineering Journal</i> , 2013, 222, 128-135.	6.6	36
103	Comparison of dimethyl sulfoxide degradation by different Fenton processes. <i>Chemical Engineering Journal</i> , 2013, 232, 418-424.	6.6	32
104	Effect of UV light on acetaminophen degradation in the electro-Fenton process. <i>Separation and Purification Technology</i> , 2013, 120, 43-51.	3.9	47
105	Kinetics of acetaminophen degradation by Fenton oxidation in a fluidized-bed reactor. <i>Chemosphere</i> , 2013, 90, 1444-1448.	4.2	76
106	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
107	SiO <sub>2</sub> -supported ferromagnetic catalysts for hydrogen generation from alkaline NaBH <sub>4</sub> (sodium) Tj ETQq1 1 0.784314 rgBT / Overlock 10	4.5	59
108	Treatment of explosive-contaminated wastewater through the Fenton process. <i>Desalination and Water Treatment</i> , 2013, 51, 2820-2825.	1.0	13

#	ARTICLE	IF	CITATIONS
109	Effect of Electrochemical Oxidation Processes on Acetaminophen Degradation in Various Electro-Fenton Reactors. <i>Journal of the Electrochemical Society</i> , 2013, 160, H207-H212.	1.3	3
110	Application of Fered-Fenton process for <i>m</i> -phenylenediamine degradation. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2013, 48, 1012-1018.	0.9	4
111	Treatment of 2,6-Dimethylaniline by Electrochemical-Assisted Fenton-Like Process. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2012, 16, 63-67.	1.2	1
112	Optimization of acetaminophen degradation by fluidized-bed Fenton process. <i>Desalination and Water Treatment</i> , 2012, 45, 100-111.	1.0	20
113	Ruthenium immobilized on Al <sub>2</sub> O <sub>3</sub> pellets as a catalyst for hydrogen generation from hydrolysis and methanolysis of sodium borohydride. <i>RSC Advances</i> , 2012, 2, 2073.	1.7	91
114	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
115	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
116	Development of Al <sub>2</sub> O <sub>3</sub> carrier-Ru composite catalyst for hydrogen generation from alkaline NaBH <sub>4</sub> hydrolysis. <i>Energy</i> , 2012, 46, 242-247.	4.5	70
117	Degradation of azo dye by the fluidised-bed Fenton process. <i>Coloration Technology</i> , 2012, 128, 28-35.	0.7	12
118	Treatment of TFT-LCD wastewater containing ethanolamine by fluidized-bed Fenton technology. <i>Bioresource Technology</i> , 2012, 113, 272-275.	4.8	39
119	Oxidation of aniline by titanium dioxide activated with visible light. <i>Separation and Purification Technology</i> , 2012, 84, 132-137.	3.9	27
120	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
121	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
122	Application of chlorine dioxide for disinfection of student health centers. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 741-747.	1.3	18
123	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
124	Iron crystallization in a fluidized-bed Fenton process. <i>Water Research</i> , 2011, 45, 3255-3262.	5.3	54
125	Comparison of o-toluidine degradation by Fenton, electro-Fenton and photoelectro-Fenton processes. <i>Journal of Hazardous Materials</i> , 2011, 196, 395-401.	6.5	31
126	Effect of operating parameters on the decolorization and oxidation of textile wastewater by the fluidized-bed Fenton process. <i>Separation and Purification Technology</i> , 2011, 83, 100-105.	3.9	46



#	ARTICLE	IF	CITATIONS
127	Synthesis and characterization of Co/SiO <sub>2</sub> as catalyst catalyze hydrogen generation. <i>Materials Letters</i> , 2011, 65, 3212-3215.	1.3	12
128	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
129	The effect of the composition of tri-elemental doping (K, Al, S) on the photocatalytic performance of synthesized TiO <sub>2</sub> nanoparticles in oxidizing 2-chlorophenol over visible light illumination. <i>Applied Catalysis A: General</i> , 2011, 401, 233-238.	2.2	21
130	Photocatalytic activity of tungsten-doped TiO <sub>2</sub> with hydrothermal treatment under blue light irradiation. <i>Journal of Environmental Management</i> , 2011, 92, 2272-2276.	3.8	27
131	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
132	Kinetics of 2,6-dimethylaniline oxidation by various Fenton processes. <i>Journal of Hazardous Materials</i> , 2011, 192, 347-53.	6.5	38
133	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
134	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
135	Comparison of Catalytic Degradation of Aniline by Immobilized Iron Oxide Catalysts. <i>Environmental Engineering Science</i> , 2011, 28, 891-896.	0.8	7
136	Oxidation of Aniline with Sulfate Radicals in the Presence of Citric Acid. <i>Environmental Engineering Science</i> , 2011, 28, 207-215.	0.8	20
137	Persulfate oxidation for the aniline degradation in aqueous systems. <i>Water Science and Technology</i> , 2011, 63, 1434-1440.	1.2	13
138	Oxidation of 2,6-dimethylaniline by the Fenton, electro-Fenton and photoelectro-Fenton processes. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011, 46, 1085-1091.	0.9	7
139	Characterization and activity of visible-light driven TiO <sub>2</sub> photocatalyst doped with tungsten. <i>Water Science and Technology</i> , 2010, 62, 2128-2133.	1.2	4
140	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
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	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
143	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
144	A statistical experimental design to determine o-toluidine degradation by the photo-Fenton process. <i>Chemical Engineering Journal</i> , 2010, 159, 116-122.	6.6	41

#	ARTICLE	IF	CITATIONS
145	Mineralization of 2,6-dimethylaniline by photoelectro-Fenton process. Applied Catalysis A: General, 2010, 384, 128-135.	2.2	36
146	Improvement of the air quality in student health centers with chlorine dioxide. International Journal of Environmental Health Research, 2010, 20, 115-127.	1.3	9
147	Kinetics of 2,6-dimethylaniline degradation by electro-Fenton process. Journal of Hazardous Materials, 2009, 161, 1484-1490.	6.5	102
148	Kinetics of nitrobenzene oxidation and iron crystallization in fluidized-bed Fenton process. Journal of Hazardous Materials, 2009, 165, 874-880.	6.5	62
149	Kinetics and mechanism of 2,6-dimethyl-aniline degradation by hydroxyl radicals. Journal of Hazardous Materials, 2009, 172, 952-957.	6.5	38
150	Chemical Oxidation of 2,6-Dimethylaniline in the Fenton Process. Environmental Science & Technology, 2009, 43, 8629-8634.	4.6	221
151	Formaldehyde degradation in the presence of methanol by photo-Fenton process. Journal of Environmental Management, 2008, 86, 545-553.	3.8	51
152	Catalytic degradation of explosives with goethite and hydrogen peroxide. Journal of Hazardous Materials, 2008, 151, 540-546.	6.5	40
153	The reactor design and comparison of Fenton, electro-Fenton and photoelectro-Fenton processes for mineralization of benzene sulfonic acid (BSA). Journal of Hazardous Materials, 2008, 156, 421-427.	6.5	106
154	Catalytic action of goethite in the oxidation of 2-chlorophenols with hydrogen peroxide. Water Science and Technology, 2007, 55, 101-106.	1.2	8
155	Catalytic degradation of nitroaromatic explosives with Fenton's reagent. Journal of Molecular Catalysis A, 2007, 277, 155-163.	4.8	46
156	Catalytic treatment of petrochemical wastewater by electroassisted Fenton technologies. Reaction Kinetics and Catalysis Letters, 2007, 92, 41-48.	0.6	26
157	Ferric Reduction and Oxalate Mineralization with Fered-Fenton Method. Journal of Advanced Oxidation Technologies, 2007, 10, .	0.5	0
158	Kinetics of aniline degradation by Fenton and electro-Fenton processes. Water Research, 2006, 40, 1841-1847.	5.3	151
159	Degradation and detoxification of formaline wastewater by advanced oxidation processes. Journal of Hazardous Materials, 2006, 135, 337-343.	6.5	55
160	Effect of chloride ions on the oxidation of aniline by Fenton's reagent. Journal of Environmental Management, 2005, 75, 177-182.	3.8	97
161	Photocatalytic oxidation of gaseous DMF using thin film TiO <sub>2</sub> photocatalyst. Chemosphere, 2005, 58, 1071-1078.	4.2	40
162	Dechlorination of Hexachlorobenzene by Zero-Valent Iron. Practice Periodical of Hazardous, Toxic and Radioactive Waste Management, 2004, 8, 136-140.	0.4	11

#	ARTICLE	IF	CITATIONS
163	Treatment of Aqueous Nitrate by Zero Valent Iron Powder in the Presence of CO <sub>2</sub> Bubbling. Ground Water Monitoring and Remediation, 2004, 24, 82-87.	0.6	12
164	FeO-based system as innovative technology for degrading trichloromethane: Redox removal characteristics. Environmental Science and Pollution Research, 2004, 11, 254-259.	2.7	6
165	Characteristics of photocatalytic oxidation of gaseous 2-propanol using thin-film TiO <sub>2</sub> photocatalyst. Journal of Chemical Technology and Biotechnology, 2004, 79, 1293-1300.	1.6	20
166	Oxidation of TNT by photo-Fenton process. Chemosphere, 2004, 57, 1107-1114.	4.2	53
167	Catalytic decomposition of hydrogen peroxide and 4-chlorophenol in the presence of modified activated carbons. Chemosphere, 2003, 51, 935-943.	4.2	133
168	Oxidation of explosives by Fenton and photo-Fenton processes. Water Research, 2003, 37, 3172-3179.	5.3	122
169	Dewatering of activated sludge by Fenton's reagent. Journal of Environmental Management, 2003, 7, 667-670.	1.7	115
170	Influence of Surface Modification on Catalytic Activity of Activated Carbon Toward Decomposition of Hydrogen Peroxide and 2-Chlorophenol. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2003, 38, 1233-1246.	0.9	17
171	Heterogeneous Photocatalytic Oxidation of Acetone for Air Purification by Near UV-Irradiated Titanium Dioxide. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2003, 38, 1131-1143.	0.9	24
172	Removal of Trichloromethane and Trichloroethylene by Suspended Zero Valent Iron and Ultraviolet Irradiation. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2003, 38, 1717-1729.	0.9	2
173	Role of goethite dissolution in the oxidation of 2-chlorophenol with hydrogen peroxide. Chemosphere, 2002, 46, 131-136.	4.2	117
174	Catalytic Decomposition of Hydrogen Peroxide and 2-chlorophenol with iron oxides. Water Research, 2001, 35, 2291-2299.	5.3	241
175	Role of cupric ions in the H <sub>2</sub> O <sub>2</sub> /UV oxidation of humic acids. Chemosphere, 2001, 44, 913-919.	4.2	32
176	Intermediate inhibition in the heterogeneous UV-catalysis using a TiO <sub>2</sub> suspension system. Chemosphere, 2001, 45, 29-35.	4.2	29
177	Influence of pH on the dewatering of activated sludge by Fenton's reagent. Water Science and Technology, 2001, 44, 327-32.	1.2	21
178	UV-Catalyzed Hydrogen Peroxide Treatment of Textile Wastewater. Environmental Engineering Science, 2000, 17, 9-18.	0.8	12
179	Oxidation of chlorophenols with hydrogen peroxide in the presence of goethite. Chemosphere, 2000, 40, 125-130.	4.2	116
180	Oxidation of dichlorvos with hydrogen peroxide using ferrous ion as catalyst. Journal of Hazardous Materials, 1999, 65, 277-288.	6.5	110

#	ARTICLE	IF	CITATIONS
181	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
182	Effect of adsorbents coated with titanium dioxide on the photocatalytic degradation of propoxur. <i>Chemosphere</i> , 1999, 38, 617-627.	4.2	45
183	The influence of metal ions on the photocatalytic oxidation of 2-chlorophenol in aqueous titanium dioxide suspensions. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 1999, 34, 17-32.	0.7	7
184	Effect of inorganic ions on the oxidation of dichlorvos insecticide with Fenton's reagent. <i>Chemosphere</i> , 1997, 35, 2285-2293.	4.2	105
185	Adsorption characteristics of dichlorvos onto hydrous titanium dioxide surface. <i>Water Research</i> , 1996, 30, 1670-1676.	5.3	41
186	PHOTOCATALYTIC MINERALIZATION OF TOXIC CHEMICALS WITH ILLUMINATED TiO <sub>2</sub> . <i>Chemical Engineering Communications</i> , 1995, 139, 1-13.	1.5	23
187	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
188	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
189	Microtox bioassay of photodegradation products from photocatalytic oxidation of pesticides. <i>Chemosphere</i> , 1993, 27, 1637-1647.	4.2	15
190	Application of Fenton Processes for Degradation of Aniline. , 0, , .		2
191	Tohdite recovery from water by fluidized-bed homogeneous granulation process. , 0, 96, 224-230.		9