

# Shang-Lien Lo

## List of Publications by Year in descending order

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167  
papers

8,121  
citations

39113

52  
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66518

82  
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169  
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169  
docs citations

169  
times ranked

9229  
citing authors

#	ARTICLE	IF	CITATIONS
1	Treatment of biologically treated distillery spent wash employing electrocoagulation and reverse-osmosis treatment train. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 4257-4268.	1.2	3
2	Effects of zinc salt addition on perfluorooctanoic acid (PFOA) removal by electrocoagulation with aluminum electrodes. <i>Chemosphere</i> , 2022, 288, 132665.	4.2	9
3	Principles of food-energy-water nexus governance. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 155, 111937.	8.2	20
4	Water quenched slag from incinerator ash used as artificial stone. <i>Case Studies in Construction Materials</i> , 2022, 16, e00827.	0.8	0
5	Gold recovery from waste printed circuit boards of mobile phones by using microwave pyrolysis and hydrometallurgical methods. <i>Sustainable Environment Research</i> , 2022, 32, .	2.1	9
6	Nature-based solutions for securing contributions of water, food, and energy in an urban environment. <i>Environmental Science and Pollution Research</i> , 2022, , 1.	2.7	1
7	Conceptual Framework for Disaster Management in Coastal Cities Using Climate Change Resilience and Coping Ability. <i>Atmosphere</i> , 2022, 13, 16.	1.0	2
8	Application of synthetic data to establish the working framework for multivariate statistical analysis of river pollution traceability of the heavy metals in Nankan River, Taiwan. <i>Environmental Science and Pollution Research</i> , 2022, 29, 70479-70492.	2.7	3
9	Satellite imagery: a way to monitor water quality for the future?. <i>Environmental Science and Pollution Research</i> , 2022, 29, 57022-57029.	2.7	1
10	Measuring urban food-energy-water nexus sustainability: Finding solutions for cities. <i>Science of the Total Environment</i> , 2021, 752, 141954.	3.9	56
11	Perfluorooctanoic acid (PFOA) removal by flotation with cationic surfactants. <i>Chemosphere</i> , 2021, 266, 128949.	4.2	20
12	Energy recovery from sewage sludge: Product characteristics, heating value prediction and reaction kinetics. <i>Chemosphere</i> , 2021, 268, 128783.	4.2	8
13	Mineralization of perfluorooctanoic acid by combined aerated electrocoagulation and Modified peroxi-coagulation methods. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 118, 169-178.	2.7	16
14	Exploring Climate Disaster Resilience: Insight into City and Zone Levels of Southern Taiwan. <i>Agriculture (Switzerland)</i> , 2021, 11, 107.	1.4	1
15	Quantification and Analysis of Microplastics in Farmland Soils: Characterization, Sources, and Pathways. <i>Agriculture (Switzerland)</i> , 2021, 11, 330.	1.4	35
16	Effect of coal ash and rice husk ash partial replacement in ordinary Portland cement on pervious concrete. <i>Construction and Building Materials</i> , 2021, 286, 122947.	3.2	61
17	Using Landsat 8 imagery for remote monitoring of total phosphorus as a water quality parameter of irrigation ponds in Taiwan. <i>Environmental Science and Pollution Research</i> , 2021, 28, 66687-66694.	2.7	4
18	Effect of current density and pH on the electrochemically generated active chloro species for the rapid mineralization of p-substituted phenol. <i>Chemosphere</i> , 2021, 275, 129848.	4.2	11

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19	Comparison of the degradation of multiple amine-containing pharmaceuticals during electroindirect oxidation and electrochlorination processes in continuous system. <i>Water Research</i> , 2021, 203, 117517.	5.3	8
20	Indium recovery from spent liquid crystal displays by using hydrometallurgical methods and microwave pyrolysis. <i>Chemosphere</i> , 2021, 280, 130905.	4.2	10
21	Effect of light irradiation on heavy metal adsorption onto microplastics. <i>Chemosphere</i> , 2021, 285, 131457.	4.2	27
22	Predicting heating value of lignocellulosic biomass based on elemental analysis. <i>Energy</i> , 2020, 191, 116501.	4.5	39
23	Developing indicators for the monitoring of the sustainability of food, energy, and water. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 119, 109565.	8.2	44
24	Ecosystem services and sustainable development: Perspectives from the food-energy-water Nexus. <i>Ecosystem Services</i> , 2020, 46, 101217.	2.3	38
25	Hydrometallurgical metal recovery from waste printed circuit boards pretreated by microwave pyrolysis. <i>Resources, Conservation and Recycling</i> , 2020, 163, 105090.	5.3	40
26	Energy recovery from waste printed circuit boards using microwave pyrolysis: product characteristics, reaction kinetics, and benefits. <i>Environmental Science and Pollution Research</i> , 2020, 27, 43274-43282.	2.7	22
27	Microwave-Assisted Synthesis of Titanate Nanotubes Loaded with Platinum with Enhanced Selectivity for Photocatalytic H <sub>2</sub> Evolution from Methanol. <i>Nano</i> , 2020, 15, 2050129.	0.5	1
28	Comparing the Effects of Types of Electrode on the Removal of Multiple Pharmaceuticals from Water by Electrochemical Methods. <i>Water (Switzerland)</i> , 2020, 12, 2332.	1.2	6
29	Removal of Ketoprofen from Water by Sono-Activated Persulfate Oxidation. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	3
30	Heterogeneous Fenton oxidation of trichloroethylene catalyzed by sewage sludge biochar: Experimental study and life cycle assessment. <i>Chemosphere</i> , 2020, 249, 126139.	4.2	54
31	Efficient decomposition of perfluorooctanic acid by persulfate with iron-modified activated carbon. <i>Water Research</i> , 2020, 174, 115618.	5.3	61
32	Feasibility Study of Activated Sludge/Contact Aeration Combined System Treating Oil-Containing Domestic Sewage. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 544.	1.2	0
33	Effect of partially replacing ordinary Portland cement with municipal solid waste incinerator ashes and rice husk ashes on pervious concrete quality. <i>Environmental Science and Pollution Research</i> , 2020, 27, 23742-23760.	2.7	23
34	Torrefaction of sewage sludge by using microwave heating. <i>Energy Procedia</i> , 2019, 158, 67-72.	1.8	14
35	CO <sub>2</sub> adsorption on biochar from co-torrefaction of sewage sludge and leucaena wood using microwave heating. <i>Energy Procedia</i> , 2019, 158, 4435-4440.	1.8	31
36	Comprehensive assessment of regional food-energy-water nexus with GIS-based tool. <i>Resources, Conservation and Recycling</i> , 2019, 151, 104457.	5.3	27

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37	Understanding synergies and trade-offs between water and energy production at landfill sites. <i>Science of the Total Environment</i> , 2019, 687, 152-160.	3.9	5
38	Embedding scarcity in urban water tariffs: mapping supply and demand in North Taiwan. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	5
39	Simultaneous aqueous chlorination of amine-containing pharmaceuticals. <i>Water Research</i> , 2019, 155, 56-65.	5.3	7
40	Field Testing of Porous Pavement Performance on Runoff and Temperature Control in Taipei City. <i>Water (Switzerland)</i> , 2019, 11, 2635.	1.2	30
41	Formation and risk assessment of trihalomethanes through different tea brewing habits. <i>International Journal of Hygiene and Environmental Health</i> , 2019, 222, 117-124.	2.1	4
42	Direct and indirect electrochemical oxidation of amine-containing pharmaceuticals using graphite electrodes. <i>Journal of Hazardous Materials</i> , 2019, 366, 592-605.	6.5	93
43	Framework for determining optimal strategy for sustainable remediation of contaminated sediment: A case study in Northern Taiwan. <i>Science of the Total Environment</i> , 2019, 654, 822-831.	3.9	34
44	Utilization of rice hull and straw. , 2019, , 627-661.		10
45	Electrochemical oxidation of acid orange 7 dye with Ce, Nd, and Co-modified PbO <sub>2</sub> electrodes: Preparation, characterization, optimization, and mineralization. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 84, 110-122.	2.7	39
46	Integrating chloride addition and ultrasonic processing with electrocoagulation to remove passivation layers and enhance phosphate removal. <i>Separation and Purification Technology</i> , 2018, 201, 148-155.	3.9	33
47	Formation of trihalomethanes as disinfection byproducts in herbal spa pools. <i>Scientific Reports</i> , 2018, 8, 5709.	1.6	16
48	Single-phase cerium oxide nanospheres: An efficient photocatalyst for the abatement of rhodamine B dye. <i>Environmental Science and Pollution Research</i> , 2018, 25, 6532-6544.	2.7	27
49	Autocatalytic degradation of perfluorooctanoic acid in a permanganate-ultrasonic system. <i>Water Research</i> , 2018, 140, 148-157.	5.3	46
50	Product distribution and heating performance of lignocellulosic biomass pyrolysis using microwave heating. <i>Energy Procedia</i> , 2018, 152, 910-915.	1.8	22
51	Microwave calcination of waste oyster shells for CO <sub>2</sub> capture. <i>Energy Procedia</i> , 2018, 152, 1242-1247.	1.8	14
52	Comparing Ozonation and Biofiltration Treatment of Source Water with High Cyanobacteria-Derived Organic Matter: The Case of a Water Treatment Plant Followed by a Small-Scale Water Distribution System. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2633.	1.2	10
53	Abatement of clofibric acid by Fenton-like process using iron oxide supported sulfonated-ZrO <sub>2</sub> : Efficient heterogeneous catalysts. <i>Journal of Water Process Engineering</i> , 2018, 26, 92-99.	2.6	15
54	Spatial optimization of the food, energy, and water nexus: A life cycle assessment-based approach. <i>Energy Policy</i> , 2018, 119, 502-514.	4.2	60

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55	Catalytic oxidative degradation of phenol using iron oxide promoted sulfonated-ZrO <sub>2</sub> by Advanced Oxidation Processes (AOPs). <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 91, 434-440.	2.7	37
56	Titanate nanotubes coupled with Pt nanoparticles for the inhibition of CdS photocorrosion during visible-light-driven hydrogen production from formic acid. <i>Materials Research Express</i> , 2018, 5, 095507.	0.8	8
57	The potential for carbon abatement in Taiwan's steel industry and an analysis of carbon abatement trends. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 69, 1312-1323.	8.2	3
58	Microwave Pyrolysis of Lignocellulosic Biomass. <i>Energy Procedia</i> , 2017, 105, 41-46.	1.8	51
59	Integrating ecosystem services in terrestrial conservation planning. <i>Environmental Science and Pollution Research</i> , 2017, 24, 12144-12154.	2.7	9
60	Leucaena biochar produced by microwave torrefaction: Fuel properties and energy efficiency. <i>Applied Energy</i> , 2017, 204, 1018-1025.	5.1	85
61	Review on energy savings by solar control techniques and optimal building orientation for the strategic placement of facade shading systems. <i>Energy and Buildings</i> , 2017, 140, 458-479.	3.1	111
62	Microwave torrefaction of sewage sludge and leucaena. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 70, 236-243.	2.7	57
63	Reductive defluorination of perfluorooctanoic acid by titanium(III) citrate with vitamin B12 and copper nanoparticles. <i>Journal of Hazardous Materials</i> , 2017, 340, 336-343.	6.5	27
64	Recovery of perfluorooctane sulfonate (PFOS) and perfluorooctanoate (PFOA) from dilute water solution by foam flotation. <i>Separation and Purification Technology</i> , 2017, 173, 280-285.	3.9	63
65	Catalytic performance of hierarchical metal oxides for per-oxidative degradation of pyridine in aqueous solution. <i>Chemical Engineering Journal</i> , 2017, 309, 753-765.	6.6	39
66	Microwave Torrefaction of leucaena to Produce Biochar with High Fuel Ratio and Energy Return on Investment. <i>Energy Procedia</i> , 2017, 105, 35-40.	1.8	25
67	A review on microwave pyrolysis of lignocellulosic biomass. <i>Sustainable Environment Research</i> , 2016, 26, 103-109.	2.1	215
68	Evaluation of sono-electrocoagulation for the removal of Reactive Blue 19 passive film removed by ultrasound. <i>Separation and Purification Technology</i> , 2016, 165, 107-113.	3.9	58
69	Co-torrefaction of sewage sludge and leucaena by using microwave heating. <i>Energy</i> , 2016, 116, 1-7.	4.5	52
70	Impacts of Typhoon Soudelor (2015) on the water quality of Taipei, Taiwan. <i>Scientific Reports</i> , 2016, 6, 25228.	1.6	24
71	Influence of crystal topology and interior surface functionality of metal-organic frameworks on PFOA sorption performance. <i>Microporous and Mesoporous Materials</i> , 2016, 236, 202-210.	2.2	51
72	Equilibrium Modeling of Arsenic Adsorption in a Ternary Arsenic-Iron Oxide-Natural Organic Matter System. <i>Clean - Soil, Air, Water</i> , 2016, 44, 1287-1295.	0.7	8

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73	Photocatalytic hydrogen production of the CdS/TiO <sub>2</sub> -WO <sub>3</sub> ternary hybrid under visible light irradiation. <i>Water Science and Technology</i> , 2016, 73, 1667-1672.	1.2	17
74	Evaluation of greenhouse gas emissions for several municipal solid waste management strategies. <i>Journal of Cleaner Production</i> , 2016, 113, 606-612.	4.6	70
75	Operation and maintenance of sewerage systems: present challenges and possible solutionsâ€”an Indian experience. <i>Desalination and Water Treatment</i> , 2016, 57, 2887-2902.	1.0	2
76	Microwave pyrolysis of lignocellulosic biomass: Heating performance and reaction kinetics. <i>Energy</i> , 2016, 100, 137-144.	4.5	188
77	Decomposition of perfluorooctanoic acid by ultraviolet light irradiation with Pb-modified titanium dioxide. <i>Journal of Hazardous Materials</i> , 2016, 303, 111-118.	6.5	86
78	Efficient sonochemical degradation of perfluorooctanoic acid using periodate. <i>Ultrasonics Sonochemistry</i> , 2016, 31, 499-505.	3.8	106
79	Effect of surfactants on the degradation of perfluorooctanoic acid (PFOA) by ultrasonic (US) treatment. <i>Ultrasonics Sonochemistry</i> , 2016, 28, 130-135.	3.8	80
80	Effects of lignocellulosic composition and microwave power level on the gaseous product of microwave pyrolysis. <i>Energy</i> , 2015, 89, 974-981.	4.5	65
81	Microwave co-pyrolysis of sewage sludge and rice straw. <i>Energy</i> , 2015, 87, 638-644.	4.5	92
82	Vitamin B12-mediated hydrodechlorination of dichloromethane by bimetallic Cu/Al particles. <i>Chemical Engineering Journal</i> , 2015, 273, 413-420.	6.6	25
83	Microwave pyrolysis of rice straw to produce biochar as an adsorbent for CO <sub>2</sub> capture. <i>Energy</i> , 2015, 84, 75-82.	4.5	145
84	Photocatalytic decomposition of perfluorooctanoic acid by transition-metal modified titanium dioxide. <i>Journal of Hazardous Materials</i> , 2015, 288, 168-175.	6.5	123
85	Removal of nonsteroidal anti-inflammatory drugs (NSAIDs) by electrocoagulationâ€”flotation with a cationic surfactant. <i>Separation and Purification Technology</i> , 2015, 152, 148-154.	3.9	68
86	Microwave-enhanced persulfate oxidation to treat mature landfill leachate. <i>Journal of Hazardous Materials</i> , 2015, 284, 83-91.	6.5	63
87	Enhanced sonochemical degradation of perfluorooctanoic acid by sulfate ions. <i>Ultrasonics Sonochemistry</i> , 2015, 22, 542-547.	3.8	75
88	Sono-biostimulation of aerobic digestion: a novel approach for sludge minimization. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 1060-1066.	1.6	5
89	Chemically coupled microwave and ultrasonic pre-hydrolysis of pulp and paper mill waste-activated sludge: effect on sludge solubilisation and anaerobic digestion. <i>Environmental Science and Pollution Research</i> , 2014, 21, 6205-6217.	2.7	42
90	High concentration of arsenate removal by electrocoagulation with calcium. <i>Separation and Purification Technology</i> , 2014, 126, 7-14.	3.9	40

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91	Ultrasonic Treatment of Waste Sludge: A Review on Mechanisms and Applications. <i>Critical Reviews in Environmental Science and Technology</i> , 2014, 44, 1220-1288.	6.6	158
92	Passive shading strategies to reduce outdoor insolation and indoor cooling loads by using overhang devices on a building. <i>Building Simulation</i> , 2014, 7, 671-681.	3.0	22
93	Preparation, characterization and adsorption performance of cetyltrimethylammonium modified birnessite. <i>Applied Surface Science</i> , 2014, 299, 123-130.	3.1	15
94	Enhancing decomposition rate of perfluorooctanoic acid by carbonate radical assisted sonochemical treatment. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1875-1880.	3.8	44
95	Synergistic effect of zero-valent copper nanoparticles on dichloromethane degradation by vitamin B12 under reducing condition. <i>Chemical Engineering Journal</i> , 2013, 219, 311-318.	6.6	28
96	Catalytic pyrolysis of sugarcane bagasse by using microwave heating. <i>Bioresource Technology</i> , 2013, 146, 324-329.	4.8	79
97	Derivative mechanisms of organic acids in microwave oxidation of landfill leachate. <i>Journal of Hazardous Materials</i> , 2013, 254-255, 293-300.	6.5	15
98	Application of a fuzzy cognitive map based on a structural equation model for the identification of limitations to the development of wind power. <i>Energy Policy</i> , 2013, 63, 851-861.	4.2	33
99	Treatment of highly turbid water using chitosan and aluminum salts. <i>Separation and Purification Technology</i> , 2013, 104, 322-326.	3.9	59
100	Effects of Microwave-Absorbing Additives on Heavy Metal Immobilization. <i>Environmental Engineering Science</i> , 2013, 30, 317-323.	0.8	6
101	Photochemical decomposition of perfluorooctanoic acids in aqueous carbonate solution with UV irradiation. <i>Chemical Engineering Journal</i> , 2013, 221, 258-263.	6.6	78
102	A study on microwave oxidation of landfill leachate—Contributions of microwave-specific effects. <i>Journal of Hazardous Materials</i> , 2013, 246-247, 79-86.	6.5	23
103	The effects of salinity and temperature on phase transformation of copper-laden sludge. <i>Journal of Hazardous Materials</i> , 2013, 244-245, 501-506.	6.5	9
104	Microwave pyrolysis of rice straw: Products, mechanism, and kinetics. <i>Bioresource Technology</i> , 2013, 142, 620-624.	4.8	81
105	Promoted degradation of perfluorooctanoic acid by persulfate when adding activated carbon. <i>Journal of Hazardous Materials</i> , 2013, 261, 463-469.	6.5	129
106	Microwave irradiation: A sustainable way for sludge treatment and resource recovery. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 18, 288-305.	8.2	218
107	Catalytic hydrogenation of nitrate on Cu—Pd supported on titanate nanotube and the experiment after aging, sulfide fouling and regeneration procedures. <i>Applied Catalysis B: Environmental</i> , 2013, 142-143, 65-71.	10.8	29
108	Sludge: A waste or renewable source for energy and resources recovery?. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 25, 708-728.	8.2	499

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109	Sorption of perfluoroalkyl substances (PFASs) onto wetland soils. <i>Desalination and Water Treatment</i> , 2013, 51, 7469-7475.	1.0	54
110	Calculating of river water quality sampling frequency by the analytic hierarchy process (AHP). <i>Environmental Monitoring and Assessment</i> , 2013, 185, 909-916.	1.3	37
111	Impairment in water quality of Ganges River and consequential health risks on account of mass ritualistic bathing. <i>Desalination and Water Treatment</i> , 2013, 51, 2121-2129.	1.0	31
112	Sorption of benzoic acid from aqueous solution by cetyltrimethylammonium bromide modified birnessite. <i>Water Science and Technology</i> , 2012, 65, 1863-1868.	1.2	3
113	Establishing an Integration-Energy-Practice Model for Improving Energy Performance Indicators in ISO 50001 Energy Management Systems. <i>Energies</i> , 2012, 5, 5324-5339.	1.6	45
114	Effect of pollutant concentrations on growth characteristics of macrophytes in a constructed wetland treating municipal combined sewage. <i>Desalination and Water Treatment</i> , 2012, 44, 289-295.	1.0	4
115	Beneficial Uses of Sludge from Water Purification Plants in Concrete Mix. <i>Environmental Engineering Science</i> , 2012, 29, 284-289.	0.8	17
116	Enhancement in mesophilic aerobic digestion of waste activated sludge by chemically assisted thermal pretreatment method. <i>Bioresource Technology</i> , 2012, 119, 105-113.	4.8	62
117	Persulfate oxidation of perfluorooctanoic acid under the temperatures of 20–40°C. <i>Chemical Engineering Journal</i> , 2012, 198-199, 27-32.	6.6	139
118	Zero-valent copper nanoparticles for effective dechlorination of dichloromethane using sodium borohydride as a reductant. <i>Chemical Engineering Journal</i> , 2012, 203, 95-100.	6.6	94
119	Design of sampling locations for mountainous river monitoring. <i>Environmental Modelling and Software</i> , 2012, 27-28, 62-70.	1.9	34
120	Catalytic hydrodechlorination of 1,2-dichloroethane using copper nanoparticles under reduction conditions of sodium borohydride. <i>Journal of Environmental Monitoring</i> , 2011, 13, 2406.	2.1	35
121	N-Doped TiO <sub>2</sub> Prepared from Microwave-Assisted Titanate Nanotubes (Na <sub>x</sub> H <sub>2x</sub> Ti <sub>3</sub> O <sub>7</sub> ): The Effect of Microwave Irradiation during TNT Synthesis on the Visible Light Photoactivity of N-Doped TiO <sub>2</sub> . <i>Journal of Physical Chemistry C</i> , 2011, 115, 4000-4007.	1.5	64
122	Effects of titanate nanotubes synthesized by a microwave hydrothermal method on photocatalytic decomposition of perfluorooctanoic acid. <i>Water Research</i> , 2011, 45, 4131-4140.	5.3	81
123	On the decision of chlor-alkali process retrofit under environmental uncertainty: A real options approach. <i>Journal of Information and Optimization Sciences</i> , 2011, 32, 959-971.	0.2	0
124	Stabilization of nickel-laden sludge by a high-temperature NiCr <sub>2</sub> O <sub>4</sub> synthesis process. <i>Journal of Hazardous Materials</i> , 2011, 198, 356-361.	6.5	25
125	Optimal design of river nutrient monitoring points based on an export coefficient model. <i>Journal of Hydrology</i> , 2011, 406, 129-135.	2.3	26
126	Applying real options analysis to assess cleaner energy development strategies. <i>Energy Policy</i> , 2011, 39, 5929-5938.	4.2	17



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127	Effects of microwave and alkali induced pretreatment on sludge solubilization and subsequent aerobic digestion. <i>Bioresource Technology</i> , 2011, 102, 7633-7640.	4.8	91
128	Using pretreated waste oyster and clam shells and microwave hydrothermal treatment to recover boron from concentrated wastewater. <i>Bioresource Technology</i> , 2011, 102, 7802-7806.	4.8	26
129	Review of PSR framework and development of a DPSIR model to assess greenhouse effect in Taiwan. <i>Environmental Monitoring and Assessment</i> , 2011, 177, 623-635.	1.3	31
130	Application of physico-chemical pretreatment methods to enhance the sludge disintegration and subsequent anaerobic digestion: an up to date review. <i>Reviews in Environmental Science and Biotechnology</i> , 2011, 10, 215-242.	3.9	204
131	Effects of operational conditions of microwave-assisted synthesis on morphology and photocatalytic capability of zinc oxide. <i>Chemical Engineering Journal</i> , 2011, 170, 411-418.	6.6	33
132	Boron removal and recovery from concentrated wastewater using a microwave hydrothermal method. <i>Journal of Hazardous Materials</i> , 2011, 186, 1431-1437.	6.5	33
133	A challenging approach for renewable energy market development. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 787-793.	8.2	44
134	Thermal treatment of MSWI fly ash with different additives by microwave heating. , 2011, , .		0
135	Persulfate oxidation activated by peroxide with and without iron for remediation of soil contaminated by heavy fuel oil. , 2011, , .		1
136	Use of a GIS-based hybrid artificial neural network to prioritize the order of pipe replacement in a water distribution network. <i>Environmental Monitoring and Assessment</i> , 2010, 166, 177-189.	1.3	26
137	Photocatalytic oxidation of aqueous ammonia over platinumized microwave-assisted titanate nanotubes. <i>Applied Catalysis B: Environmental</i> , 2010, 99, 74-80.	10.8	45
138	Microwave-assisted hydrothermal synthesis of N-doped titanate nanotubes for visible-light-responsive photocatalysis. <i>Journal of Hazardous Materials</i> , 2010, 183, 754-758.	6.5	75
139	Pb(II) adsorption capacity and behavior of titanate nanotubes made by microwave hydrothermal method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 361, 126-131.	2.3	67
140	Chitosan-Type Bioadditive-Modified Electronic Industry Waste Sludge for Heavy Metal Stabilization with Assistance of Microwave Heating. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 2557-2561.	1.8	12
141	Effects of different additives with assistance of microwave heating for heavy metal stabilization in electronic industry sludge. <i>Chemosphere</i> , 2010, 78, 609-613.	4.2	17
142	Microwave-hydrothermal decomposition of perfluorooctanoic acid in water by iron-activated persulfate oxidation. <i>Water Research</i> , 2010, 44, 886-892.	5.3	172
143	Hexavalent chromium removal from near natural water by copper-iron bimetallic particles. <i>Water Research</i> , 2010, 44, 3101-3108.	5.3	123
144	Prioritizing Pipe Replacement in a Water Distribution System Using a Seismic-Based Artificial Neural Network Model. <i>Environmental Engineering Science</i> , 2009, 26, 745-752.	0.8	4

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145	Sintering of MSWI fly ash by microwave energy. <i>Journal of Hazardous Materials</i> , 2009, 163, 357-362.	6.5	67
146	Stabilization of copper-contaminated sludge using the microwave sintering. <i>Journal of Hazardous Materials</i> , 2009, 168, 857-861.	6.5	13
147	Supported Pd/Sn bimetallic nanoparticles for reductive dechlorination of aqueous trichloroethylene. <i>Chemosphere</i> , 2009, 74, 314-319.	4.2	47
148	Efficient decomposition of perfluorocarboxylic acids in aqueous solution using microwave-induced persulfate. <i>Water Research</i> , 2009, 43, 2811-2816.	5.3	205
149	Treatment of high fluoride-content wastewater by continuous electrocoagulation-flotation system with bipolar aluminum electrodes. <i>Separation and Purification Technology</i> , 2008, 60, 1-5.	3.9	65
150	Thermal detoxification of hazardous metal sludge by applied electromagnetic energy. <i>Chemosphere</i> , 2008, 71, 1693-1700.	4.2	15
151	Photocatalytic Oxidation of Aqueous Ammonia over Microwave-Induced Titanate Nanotubes. <i>Environmental Science &amp; Technology</i> , 2008, 42, 4507-4512.	4.6	121
152	Microwave enhanced stabilization of heavy metal sludge. <i>Journal of Hazardous Materials</i> , 2007, 139, 160-166.	6.5	49
153	Simulation the kinetics of fluoride removal by electrocoagulation (EC) process using aluminum electrodes. <i>Journal of Hazardous Materials</i> , 2007, 145, 180-185.	6.5	78
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