

# Lian-Shin Lin

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

1,134  
citations

361045

20  
h-index

414034

32  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1153  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorptive selenite removal from water using iron-coated GAC adsorbents. <i>Water Research</i> , 2008, 42, 3809-3816.	5.3	159
2	A holistic assessment of water quality condition and spatiotemporal patterns in impounded lakes along the eastern route of China's South-to-North water diversion project. <i>Water Research</i> , 2020, 185, 116275.	5.3	95
3	Eutrophication and heavy metal pollution patterns in the water supplying lakes of China's south-to-north water diversion project. <i>Science of the Total Environment</i> , 2020, 711, 134543.	3.9	79
4	Scaling aquaponic systems: Balancing plant uptake with fish output. <i>Aquacultural Engineering</i> , 2014, 63, 39-44.	1.4	74
5	Kinetics and microbial ecology of batch sulfidogenic bioreactors for co-treatment of municipal wastewater and acid mine drainage. <i>Journal of Hazardous Materials</i> , 2016, 305, 200-208.	6.5	59
6	Performance of Nano-Magnetite for Removal of Selenium from Aqueous Solutions. <i>Environmental Engineering Science</i> , 2012, 29, 526-532.	0.8	42
7	Evaluating aquaponic crops in a freshwater flow-through fish culture system. <i>Aquaculture</i> , 2016, 460, 15-24.	1.7	37
8	Dissolved oxygen concentration predictions for running waters with different land use land cover using a quantile regression forest machine learning technique. <i>Journal of Hydrology</i> , 2021, 597, 126213.	2.3	37
9	Inorganic fouling at quartz:water interfaces in ultraviolet photoreactors. <i>Chemical characterization</i> . <i>Water Research</i> , 1999, 33, 3321-3329.	5.3	33
10	Iron recovery from acid mine drainage sludge as Fenton source for municipal wastewater treatment. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 1245-1260.	1.8	32
11	Two-stage combined treatment of acid mine drainage and municipal wastewater. <i>Water Science and Technology</i> , 2013, 67, 1000-1007.	1.2	31
12	Effects of Highway Construction on Stream Water Quality and Macroinvertebrate Condition in a Mid-Atlantic Highlands Watershed, USA. <i>Journal of Environmental Quality</i> , 2009, 38, 1672-1682.	1.0	29
13	Inorganic fouling at quartz:water interfaces in ultraviolet photoreactors: II. Temporal and spatial distributions. <i>Water Research</i> , 1999, 33, 3330-3338.	5.3	28
14	Attenuation of organics contamination in polymers processing effluent using iron-based sludge: process optimization and oxidation mechanism. <i>Environmental Technology (United Kingdom)</i> , 2020, , 1-10.	1.2	27
15	Performance of acid mine drainage sludge as an innovative catalytic oxidation source for treating vehicle-washing wastewater. <i>Journal of Dispersion Science and Technology</i> , 2022, 43, 50-60.	1.3	26
16	Iron Coated-Sand from Acid Mine Drainage Waste for Being a Catalytic Oxidant Towards Municipal Wastewater Remediation. <i>International Journal of Environmental Research</i> , 2021, 15, 191-201.	1.1	26
17	Effect of the disinfection agents chlorine, UV irradiation, silver ions, and TiO <sub>2</sub> nanoparticles/near-UV on DNA molecules. <i>Water Science and Technology</i> , 2011, 64, 1226-1232.	1.2	22
18	Coal tar wastewater treatment and electricity production using a membrane-less tubular microbial fuel cell. <i>Biotechnology and Bioprocess Engineering</i> , 2012, 17, 654-660.	1.4	21

#	ARTICLE	IF	CITATIONS
19	Effects of Fe/S ratio on the kinetics and microbial ecology of an Fe(III)-dosed anaerobic wastewater treatment system. <i>Journal of Hazardous Materials</i> , 2019, 369, 593-600.	6.5	21
20	Adsorptive Removal of Parts per Million Level Selenate Using Iron-Coated GAC Adsorbents. <i>Journal of Environmental Engineering, ASCE</i> , 2010, 136, 1089-1095.	0.7	20
21	Ferric reduction in organic matter oxidation and its applicability for anaerobic wastewater treatment: a review and future aspects. <i>Reviews in Environmental Science and Biotechnology</i> , 2017, 16, 273-287.	3.9	19
22	Background electrolytes and pH effects on selenate adsorption using iron-impregnated granular activated carbon and surface binding mechanisms. <i>Chemosphere</i> , 2018, 195, 166-174.	4.2	19
23	Structural equation-based latent growth curve modeling of watershed attribute-regulated stream sensitivity to reduced acidic deposition. <i>Ecological Modelling</i> , 2010, 221, 2086-2094.	1.2	17
24	Response of benthic macroinvertebrate communities to highway construction in an Appalachian watershed. <i>Hydrobiologia</i> , 2010, 641, 115-131.	1.0	15
25	Elucidating biochemical transformations of Fe and S in an innovative Fe(II)-dosed anaerobic wastewater treatment process using spectroscopic and phylogenetic analyses. <i>Chemical Engineering Journal</i> , 2019, 358, 1208-1217.	6.6	15
26	Land use, hydrology, and climate influence water quality of China's largest river. <i>Journal of Environmental Management</i> , 2022, 318, 115581.	3.8	14
27	Improved COD Measurements for Organic Content in Flowback Water with High Chloride Concentrations. <i>Water Environment Research</i> , 2016, 88, 210-216.	1.3	12
28	Continuous ferric iron-dosed anaerobic wastewater treatment: Treatment performance, sludge characteristics, and microbial composition. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103537.	3.3	12
29	Responses of streams in central Appalachian Mountain region to reduced acidic deposition—Comparisons with other regions in North America and Europe. <i>Science of the Total Environment</i> , 2009, 407, 2285-2295.	3.9	11
30	Fate of Amoxicillin in Mixed-Culture Bioreactors and Its Effects on Microbial Growth and Resistance to Silver Ions. <i>Environmental Science &amp; Technology</i> , 2010, 44, 1827-1832.	4.6	11
31	Evaluation of Risk of Cholera after a Natural Disaster: Lessons Learned from the 2015 Nepal Earthquake. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018, 144, .	1.3	11
32	Continuous sulfidogenic wastewater treatment with iron sulfide sludge oxidation and recycle. <i>Water Research</i> , 2017, 114, 210-217.	5.3	9
33	Magnetic sludge byproducts for adsorptive phosphorus removal: Resource recovery from iron-based anaerobic sewage sludge. <i>Waste Management</i> , 2021, 120, 269-276.	3.7	9
34	A case study for orphaned chemicals: 4-methylcyclohexanemethanol (MCHM) and propylene glycol phenyl ether (PPH) in riverine sediment and water treatment processes. <i>Science of the Total Environment</i> , 2017, 574, 1396-1404.	3.9	8
35	Produced water softening using high-pH catholyte from brine electrolysis: reducing chemical transportation and environmental footprints. <i>Journal of Water Process Engineering</i> , 2021, 40, 101911.	2.6	8
36	Electrodialysis of softened produced water from shale gas development. <i>Journal of Water Process Engineering</i> , 2022, 45, 102486.	2.6	8

#	ARTICLE	IF	CITATIONS
37	Inorganic fouling at quartz: water interfaces in ultraviolet photoreactors: III. Numerical modelling. <i>Water Research</i> , 1999, 33, 3339-3347.	5.3	7
38	Nonpoint Source Pollution. <i>Water Environment Research</i> , 2007, 79, 2032-2048.	1.3	7
39	Biodegradation of MCHM and PPH in River Microcosms and Activated Sludge. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, .	0.7	6
40	Functional Interrelationships of Microorganisms in Iron-Based Anaerobic Wastewater Treatment. <i>Microorganisms</i> , 2021, 9, 1039.	1.6	5
41	Prospect of utilizing coal mine drainage sludge as an iron source for value-creating applications. <i>Reviews in Environmental Science and Biotechnology</i> , 2021, 20, 679-695.	3.9	5
42	Remediation of Flow-through Trout Raceway Effluent via Aquaponics. <i>North American Journal of Aquaculture</i> , 2017, 79, 53-60.	0.7	4
43	Development of a Nucleoside Analog UV Light Sensor. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 703-705.	0.4	3
44	Effects of a small planktivore ( <i>Pseudorasbora parva</i> : Cyprinidae) on eutrophication of a shallow eutrophic lake in central China. <i>Aquatic Ecosystem Health and Management</i> , 2010, 13, 328-334.	0.3	1
45	NUMERICAL AND EXPERIMENTAL CHARACTERIZATIONS OF DOSE DISTRIBUTIONS IN UV DISINFECTION SYSTEMS. <i>Proceedings of the Water Environment Federation</i> , 2000, 2000, 104-118.	0.0	0
46	Dyed Microspheres for Quantification of UV Dose Distributions: Photochemical Reactor Characterization by Lagrangian Actinometry. <i>Proceedings of the Water Environment Federation</i> , 2005, 2005, 271-297.	0.0	0
47	Nonpoint Source Pollution. <i>Water Environment Research</i> , 2008, 80, 1827-1843.	1.3	0
48	Organics and Sulfate Reduction Using Microbial Fuel Cells - Novel Technology for Retort Water Treatment. <i>Proceedings of the Water Environment Federation</i> , 2009, 2009, 556-557.	0.0	0