

Jinyong Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7886210/publications.pdf>

Version: 2024-02-01

35
papers

1,632
citations

304368

22
h-index

377514

34
g-index

37
all docs

37
docs citations

37
times ranked

1270
citing authors

#	ARTICLE	IF	CITATIONS
1	Molybdenum-Catalyzed Perchlorate Reduction: Robustness, Challenges, and Solutions. <i>ACS ES&T Engineering</i> , 2022, 2, 181-188.	3.7	12
2	Electrocatalytic Perchlorate Reduction Using an Oxorhenium Complex Supported on a Ti ₄ O ₇ Reactive Electrochemical Membrane. <i>Environmental Science & Technology</i> , 2022, 56, 3267-3276.	4.6	19
3	Accelerated Degradation of Perfluorosulfonates and Perfluorocarboxylates by UV/Sulfite + Iodide: Reaction Mechanisms and System Efficiencies. <i>Environmental Science & Technology</i> , 2022, 56, 3699-3709.	4.6	59
4	Microbial Defluorination of Unsaturated Per- and Polyfluorinated Carboxylic Acids under Anaerobic and Aerobic Conditions: A Structure Specificity Study. <i>Environmental Science & Technology</i> , 2022, 56, 4894-4904.	4.6	32
5	Simultaneous removal of iron, manganese, and ammonia enhanced by preloaded MnO ₂ on low-pressure ultrafiltration membrane. <i>Journal of Membrane Science</i> , 2022, 656, 120641.	4.1	16
6	Bioinspired Catalytic Reduction of Aqueous Perchlorate by One Single-Metal Site with High Stability against Oxidative Deactivation. <i>ACS Catalysis</i> , 2021, 11, 6715-6725.	5.5	11
7	A Bioinspired Molybdenum Catalyst for Aqueous Perchlorate Reduction. <i>Journal of the American Chemical Society</i> , 2021, 143, 7891-7896.	6.6	26
8	Near-Quantitative Defluorination of Perfluorinated and Fluorotelomer Carboxylates and Sulfonates with Integrated Oxidation and Reduction. <i>Environmental Science & Technology</i> , 2021, 55, 7052-7062.	4.6	79
9	Interpretation of Reductive PFAS Defluorination with Quantum Chemical Parameters. <i>Environmental Science and Technology Letters</i> , 2021, 8, 645-650.	3.9	22
10	Structure-Specific Aerobic Defluorination of Short-Chain Fluorinated Carboxylic Acids by Activated Sludge Communities. <i>Environmental Science and Technology Letters</i> , 2021, 8, 668-674.	3.9	38
11	Supported Palladium Catalysts: A Facile Preparation Method and Implications to Reductive Catalysis Technology for Water Treatment. <i>ACS ES&T Engineering</i> , 2021, 1, 562-570.	3.7	13
12	Defluorination of Omega-Hydroperfluorocarboxylates (Ω-HPFCAs): Distinct Reactivities from Perfluoro and Fluorotelomeric Carboxylates. <i>Environmental Science & Technology</i> , 2021, 55, 14146-14155.	4.6	12
13	High-content screening in zebrafish identifies perfluorooctanesulfonamide as a potent developmental toxicant. <i>Environmental Pollution</i> , 2020, 256, 113550.	3.7	33
14	Catalytic Reduction of Aqueous Chlorate With MoO _x Immobilized on Pd/C. <i>ACS Catalysis</i> , 2020, 10, 8201-8211.	5.5	22
15	The First Attempt for Accounts of Environmental Chemistry and Technology Research. <i>Frontiers of Environmental Science and Engineering</i> , 2020, 14, 1.	3.3	0
16	Microbial Cleavage of C-F Bonds in Two C ₆ Per- and Polyfluorinated Compounds via Reductive Defluorination. <i>Environmental Science & Technology</i> , 2020, 54, 14393-14402.	4.6	73
17	Destruction of Per- and Polyfluoroalkyl Substances (PFASs) in Aqueous Film-Forming Foam (AFFF) with UV-Sulfite Photoreductive Treatment. <i>Environmental Science & Technology</i> , 2020, 54, 6957-6967.	4.6	88
18	Degradation of Perfluoroalkyl Ether Carboxylic Acids with Hydrated Electrons: Structure-Reactivity Relationships and Environmental Implications. <i>Environmental Science & Technology</i> , 2020, 54, 2489-2499.	4.6	86

#	ARTICLE	IF	CITATIONS
19	Phosphorus transformation under the influence of aluminum, organic carbon, and dissolved oxygen at the water-sediment interface: A simulative study. <i>Frontiers of Environmental Science and Engineering</i> , 2020, 14, 1.	3.3	19
20	Enhanced Degradation of Perfluorocarboxylic Acids (PFCAs) by UV/Sulfite Treatment: Reaction Mechanisms and System Efficiencies at pH 12. <i>Environmental Science and Technology Letters</i> , 2020, 7, 351-357.	3.9	82
21	Degradation of nitrilotris-methylenephosphonic acid (NTMP) antiscalant via persulfate photolysis: Implications on desalination concentrate treatment. <i>Water Research</i> , 2019, 159, 30-37.	5.3	50
22	Defluorination of Per- and Polyfluoroalkyl Substances (PFASs) with Hydrated Electrons: Structural Dependence and Implications to PFAS Remediation and Management. <i>Environmental Science & Technology</i> , 2019, 53, 3718-3728.	4.6	297
23	Ruthenium Catalysts for the Reduction of <i>N</i> -Nitrosamine Water Contaminants. <i>Environmental Science & Technology</i> , 2018, 52, 4235-4243.	4.6	22
24	Reductive Defluorination of Branched Per- and Polyfluoroalkyl Substances with Cobalt Complex Catalysts. <i>Environmental Science and Technology Letters</i> , 2018, 5, 289-294.	3.9	65
25	Ligand Design for Isomer-Selective Oxorhenium(V) Complex Synthesis. <i>Inorganic Chemistry</i> , 2017, 56, 1757-1769.	1.9	12
26	Hydrogenation of aqueous nitrate and nitrite with ruthenium catalysts. <i>Applied Catalysis B: Environmental</i> , 2017, 211, 188-198.	10.8	80
27	Exploring beyond palladium: Catalytic reduction of aqueous oxyanion pollutants with alternative platinum group metals and new mechanistic implications. <i>Chemical Engineering Journal</i> , 2017, 313, 745-752.	6.6	57
28	A New Bioinspired Perchlorate Reduction Catalyst with Significantly Enhanced Stability via Rational Tuning of Rhenium Coordination Chemistry and Heterogeneous Reaction Pathway. <i>Environmental Science & Technology</i> , 2016, 50, 5874-5881.	4.6	21
29	Configuration Control in the Synthesis of Homo- and Heteroleptic Bis(oxazolinyphenolato/thiazolinyphenolato) Chelate Ligand Complexes of Oxorhenium(V): Isomer Effect on Ancillary Ligand Exchange Dynamics and Implications for Perchlorate Reduction Catalysis. <i>Inorganic Chemistry</i> , 2016, 55, 2597-2611.	1.9	26
30	Mechanism and Mitigation of the Decomposition of an Oxorhenium Complex-Based Heterogeneous Catalyst for Perchlorate Reduction in Water. <i>Environmental Science & Technology</i> , 2015, 49, 12932-12940.	4.6	22
31	Bioinspired Complex-Nanoparticle Hybrid Catalyst System for Aqueous Perchlorate Reduction: Rhenium Speciation and Its Influence on Catalyst Activity. <i>ACS Catalysis</i> , 2015, 5, 511-522.	5.5	45
32	Adsorption of zwitterionic fluoroquinolone antibacterials to goethite: A charge distribution-multisite complexation model. <i>Journal of Colloid and Interface Science</i> , 2014, 428, 63-72.	5.0	42
33	X-ray Spectroscopic Characterization of Immobilized Rhenium Species in Hydrated Rhenium-Palladium Bimetallic Catalysts Used for Perchlorate Water Treatment. <i>Journal of Physical Chemistry C</i> , 2014, 118, 11666-11676.	1.5	25
34	Application of a Re-Pd bimetallic catalyst for treatment of perchlorate in waste ion-exchange regenerant brine. <i>Water Research</i> , 2013, 47, 91-101.	5.3	62
35	Detection of phosphorus species in sediments of artificial landscape lakes in China by fractionation and phosphorus-31 nuclear magnetic resonance spectroscopy. <i>Environmental Pollution</i> , 2009, 157, 49-56.	3.7	64