

# Lin Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

2,494  
citations

257101

24  
h-index

243296

44  
g-index

49  
all docs

49  
docs citations

49  
times ranked

3218  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of bentonite on the stability of fresh cement slurry. <i>Journal of Sustainable Cement-Based Materials</i> , 2022, 11, 345-352.	1.7	1
2	The hangman effect boosts hydrogen production by a manganese terpyridine complex. <i>Chemical Communications</i> , 2022, 58, 5128-5131.	2.2	8
3	Hydrophobization Engineering of the Airâ€Cathode Catalyst for Improved Oxygen Diffusion towards Efficient Zincâ€Air Batteries. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	72
4	A bio-inspired mononuclear manganese catalyst for high-rate electrochemical hydrogen production. <i>Dalton Transactions</i> , 2021, 50, 4783-4788.	1.6	8
5	Mechanically Strong, Thermally Healable, and Recyclable Epoxy Vitrimers Enabled by ZnAl-Layer Double Hydroxides. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2580-2590.	3.2	42
6	Electrostatic Interactions Accelerating Water Oxidation Catalysis via Intercatalyst Oâ€O Coupling. <i>Journal of the American Chemical Society</i> , 2021, 143, 2484-2490.	6.6	25
7	Highâ€Temperature Nitridation Induced Carbon Nanotubes@NiFeâ€Layeredâ€Doubleâ€Hydroxide Nanosheets Taking as an Oxygen Evolution Reaction Electrocatalyst for CO <sub>2</sub> Electroreduction. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101165.	1.9	13
8	Multipleâ€Site Concerted Protonâ€Electron Transfer in a Manganeseâ€Based Complete Functional Model for [FeFe]-Hydrogenase. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25839-25845.	7.2	9
9	Introducing electrostatic interaction into Ru(bda) complexes for promoting water-oxidation catalysis. <i>Journal of Molecular Structure</i> , 2021, 1242, 130745.	1.8	1
10	Strong, tough and healable elastomer nanocomposites enabled by a hydrogen-bonded supramolecular network. <i>Composites Communications</i> , 2020, 22, 100530.	3.3	24
11	Multilayered epoxy composites by a macroscopic anisotropic design strategy with excellent thermal protection. <i>Journal of Materials Science</i> , 2020, 55, 14798-14806.	1.7	4
12	Bioinspired Design of Positioned Amine Assists Hydrogen Evolution from Neutral Water by Nickel Tripyridineâ€Diamine. <i>ChemCatChem</i> , 2020, 12, 3853-3856.	1.8	1
13	A Janus Feâ€SnO <sub>2</sub> Catalyst that Enables Bifunctional Electrochemical Nitrogen Fixation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10888-10893.	7.2	192
14	Synthesis, structure and electrocatalytic H <sub>2</sub> -evolving activity of a dinickel model complex related to the active site of [NiFe]-hydrogenases. <i>Chinese Chemical Letters</i> , 2020, 31, 2483-2486.	4.8	4
15	A Janus Feâ€SnO <sub>2</sub> Catalyst that Enables Bifunctional Electrochemical Nitrogen Fixation. <i>Angewandte Chemie</i> , 2020, 132, 10980-10985.	1.6	57
16	Polyethylene glycol supported by phosphorylated polyvinyl alcohol/graphene aerogel as a high thermal stability phase change material. <i>Composites Part B: Engineering</i> , 2019, 179, 107545.	5.9	82
17	Entropy-driven catalytic reaction-induced hairpin structure switching for fluorometric detection of uranyl ions. <i>Mikrochimica Acta</i> , 2019, 186, 653.	2.5	13
18	Zinc doping induced differences in the surface composition, surface morphology and osteogenesis performance of the calcium phosphate cement hydration products. <i>Materials Science and Engineering C</i> , 2019, 105, 110065.	3.8	34



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37	Simple Nickel-Based Catalyst Systems Combined With Graphitic Carbon Nitride for Stable Photocatalytic Hydrogen Production in Water. <i>ChemSusChem</i> , 2012, 5, 2133-2138.	3.6	126
38	Recent progress in electrochemical hydrogen production with earth-abundant metal complexes as catalysts. <i>Energy and Environmental Science</i> , 2012, 5, 6763.	15.6	474
39	Multielectron-Transfer Templates via Consecutive Two-Electron Transformations: Iron-Sulfur Complexes Relevant to Biological Enzymes. <i>Chemistry - A European Journal</i> , 2012, 18, 13968-13973.	1.7	31
40	Photocatalytic Water Reduction and Study of the Formation of Fe <sup>I</sup> Fe <sup>0</sup> Species in Diiron Catalyst Systems. <i>ChemSusChem</i> , 2012, 5, 913-919.	3.6	42
41	Approaches to efficient molecular catalyst systems for photochemical H <sub>2</sub> production using [FeFe]-hydrogenase active site mimics. <i>Dalton Transactions</i> , 2011, 40, 12793.	1.6	116
42	Highly Efficient Oxidation of Water by a Molecular Catalyst Immobilized on Carbon Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12276-12279.	7.2	193
43	Preparation, Facile Deprotonation, and Rapid H/D Exchange of the $\mu_4$ -Hydride Diiron Model Complexes of the [FeFe]-Hydrogenase Containing a Pendant Amine in a Chelating Diphosphine Ligand. <i>Inorganic Chemistry</i> , 2009, 48, 11551-11558.	1.9	84
44	Structures, protonation, and electrochemical properties of diiron dithiolate complexes containing pyridyl-phosphine ligands. <i>Dalton Transactions</i> , 2009, , 1919.	1.6	61
45	[FeFe]-Hydrogenase active site models with relatively low reduction potentials: Diiron dithiolate complexes containing rigid bridges. <i>Journal of Inorganic Biochemistry</i> , 2008, 102, 952-959.	1.5	16
46	Supramolecular self-assembly of a [2Fe2S] complex with a hydrophilic phosphine ligand. <i>CrystEngComm</i> , 2008, 10, 267-269.	1.3	18
47	Multiple-Site Concerted Proton-Electron Transfer in a Manganese-Based Complete Functional Model for the [FeFe]-Hydrogenase. <i>Angewandte Chemie</i> , 0, , .	1.6	2