

Lin Yu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

1,548
citations

24
h-index

39
g-index

53
ext. papers

1,904
ext. citations

6.9
avg, IF

4.53
L-index

#	Paper	IF	Citations
47	Alkali ions pre-intercalation of MnO_2 nanosheets for high-capacity and stable Zn-ion battery. <i>Materials Today Energy</i> , 2022 , 24, 100934	7	13
46	Self-templated formation of hierarchical hollow MnO_2 microspheres with enhanced oxygen reduction activities. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 637, 128228	5.1	2
45	The synergistically enhanced activity and stability of layered manganese oxide via the engineering of defects and K^+ ions for oxygen electrocatalysis. <i>CrystEngComm</i> , 2022 , 24, 2327-2335	3.3	0
44	Nano $\text{Fe}_3\text{-Cu}_2\text{O}_4$ as the heterogeneous catalyst in an advanced oxidation process for excellent peroxymonosulfate activation toward climbazole degradation. <i>Chemical Engineering Journal</i> , 2022 , 439, 135553	14.7	2
43	Surface phosphorization of Ni-Co-S as an efficient bifunctional electrocatalyst for full water splitting. <i>Dalton Transactions</i> , 2021 , 50, 16578-16586	4.3	4
42	Orthorhombic CoSe_2 nanoparticles anchored in Ketjenblack as a bifunctional electrocatalyst for Zn-air batteries. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 14385	2.1	1
41	Promotion Effect of Chromium on the Activity and SO_2 Resistance of $\text{CeO}_2/\text{TiO}_2$ Catalysts for the NH_3 -SCR Reaction. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 11676-11688	3.9	2
40	Oxygen Defect Engineering of MnO Catalysts via Phase Transformation for Selective Catalytic Reduction of NO . <i>Small</i> , 2021 , 17, e2102408	11	8
39	Tuning Hydrogen Binding Energy by Interfacial Charge Transfer Enables pH-Universal Hydrogen Evolution Catalysis of Metal Phosphides. <i>Chemical Engineering Journal</i> , 2021 , 132699	14.7	4
38	Interconnected NiCo_2O_4 nanosheet arrays grown on carbon cloth as a host, adsorber and catalyst for sulfur species enabling high-performance LIB batteries. <i>Nanoscale Advances</i> , 2021 , 3, 1690-1698	5.1	4
37	Enhanced Catalytic Hydrogen Peroxide Production from Hydroxylamine Oxidation on Modified Activated Carbon Fibers: The Role of Surface Chemistry. <i>Catalysts</i> , 2021 , 11, 1515	4	0
36	Real-Time Monitoring of Self-Aggregation of $\text{A}\beta$ by a Fluorescent Probe Based on Ruthenium Complex. <i>Analytical Chemistry</i> , 2020 , 92, 2953-2960	7.8	12
35	Highly Efficient Hydrogenation of Nitrobenzene to Aniline over Pt/ CeO_2 Catalysts: The Shape Effect of the Support and Key Role of Additional Ce^{3+} Sites. <i>ACS Catalysis</i> , 2020 , 10, 10350-10363	13.1	42
34	C-CoP hollow microporous nanocages based on phosphating regulation: a high-performance bifunctional electrocatalyst for overall water splitting. <i>Nanoscale</i> , 2019 , 11, 17084-17092	7.7	30
33	MOF-derived metal oxide composite $\text{Mn}_2\text{Co}_1\text{O}_x/\text{CN}$ for efficient formaldehyde oxidation at low temperature. <i>Catalysis Science and Technology</i> , 2019 , 9, 5845-5854	5.5	18
32	Influence of preparation temperature and acid treatment on the catalytic activity of MnO_2 . <i>Journal of Solid State Chemistry</i> , 2019 , 272, 173-181	3.3	15
31	Adsorption and oxidation of arsenic by two kinds of MnO . <i>Journal of Hazardous Materials</i> , 2019 , 373, 232-242	12.8	26

30	Photocatalytic transformation of clmbazole and 4-chlorophenol formation using a floral array of chromium-substituted magnetite nanoparticles activated with peroxymonosulfate. <i>Environmental Science: Nano</i> , 2019 , 6, 2986-2999	7.1	7
29	Novel Ordered Mesoporous γ -MnO ₂ Catalyst for High-Performance Catalytic Oxidation of Toluene and o-Xylene. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 13926-13934	3.9	26
28	Shape-controlled synthesis of nickel-cobalt-sulfide with enhanced electrochemical activity. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 2251-2258	2.1	3
27	Enhanced catalytic performance by oxygen vacancy and active interface originated from facile reduction of OMS-2. <i>Chemical Engineering Journal</i> , 2018 , 331, 626-635	14.7	66
26	Controllable synthesis 3D hierarchical structured MnO ₂ @NiCo ₂ O ₄ and its morphology-dependent activity. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 319-326	6.8	5
25	A composite material with CeO ₂ -ZrO ₂ nanocrystallines embedded in SiO ₂ matrices and its enhanced thermal stability and oxygen storage capacity. <i>Journal of Nanoparticle Research</i> , 2018 , 20, 1	2.3	2
24	The art of balance: Engineering of structure defects and electrical conductivity of γ -MnO ₂ for oxygen reduction reaction. <i>Electrochimica Acta</i> , 2018 , 283, 459-466	6.7	38
23	Catalytic combustion of dimethyl ether over γ -MnO ₂ nanostructures with different morphologies. <i>Applied Surface Science</i> , 2017 , 409, 223-231	6.7	27
22	One-pot hydrothermal synthesis of novel 3D starfish-like γ -MnO ₂ nanosheets on carbon fiber paper for high-performance supercapacitors. <i>RSC Advances</i> , 2017 , 7, 14910-14916	3.7	26
21	Effect of textural features and surface properties of activated carbon on the production of hydrogen peroxide from hydroxylamine oxidation. <i>RSC Advances</i> , 2017 , 7, 25305-25313	3.7	4
20	Hierarchical branched γ -MnO ₂ : one-step synthesis and catalytic activity. <i>RSC Advances</i> , 2017 , 7, 46529-46535	3.5	5
19	Highly Ordered, Ultralong Mn-Based Nanowire Films with Low Contact Resistance as Freestanding Electrodes for Flexible Supercapacitors with Enhanced Performance. <i>ChemElectroChem</i> , 2017 , 4, 3061-3067	4.3	4
18	Three-dimensional radial γ -MnO ₂ synthesized from different redox potential for bifunctional oxygen electrocatalytic activities. <i>Journal of Power Sources</i> , 2017 , 362, 332-341	8.9	49
17	Microwave-Assisted Synthesis of FeO Nanocrystals with Predominantly Exposed Facets and Their Heterogeneous UVA/Fenton Catalytic Activity. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 29203-29212	9.5	51
16	Phase controllable synthesis of three-dimensional star-like MnO ₂ hierarchical architectures as highly efficient and stable oxygen reduction electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 16462-16468	13	42
15	Mesoporous γ -MnO ₂ microspheres with high specific surface area: Controlled synthesis and catalytic activities. <i>Chemical Engineering Journal</i> , 2016 , 286, 114-121	14.7	65
14	Crystallization design of MnO ₂ via acid towards better oxygen reduction activity. <i>CrystEngComm</i> , 2016 , 18, 6895-6902	3.3	19
13	A facile one-pot hydrothermal synthesis of branched γ -MnO ₂ nanorods for supercapacitor application. <i>CrystEngComm</i> , 2015 , 17, 5970-5977	3.3	32

12	High-performance MnO_2 nanowire electrode for supercapacitors. <i>Applied Energy</i> , 2015 , 153, 94-100	10.7	73
11	In situ growth of burl-like nickel cobalt sulfide on carbon fibers as high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 1730-1736	13	153
10	High Performance All-solid Supercapacitors Based on the Network of Ultralong Manganese dioxide/Polyaniline Coaxial Nanowires. <i>Scientific Reports</i> , 2015 , 5, 17858	4.9	34
9	Controllable Growth of Hierarchical NiCo_2O_4 Nanowires and Nanosheets on Carbon Fiber Paper and their Morphology-Dependent Pseudocapacitive Performances. <i>Electrochimica Acta</i> , 2014 , 133, 382-390	6.7	51
8	Ultra-long MnO_2 nanowires: Control synthesis and its absorption activity. <i>Materials Letters</i> , 2014 , 121, 234-237	3.3	15
7	Synthesis of ultrathin mesoporous NiCo_2O_4 nanosheets on carbon fiber paper as integrated high-performance electrodes for supercapacitors. <i>Journal of Power Sources</i> , 2014 , 251, 202-207	8.9	113
6	A facile one-pot hydrothermal synthesis of MnO_2 nanopincers and their catalytic degradation of methylene blue. <i>Journal of Solid State Chemistry</i> , 2014 , 217, 57-63	3.3	50
5	Controlled synthesis of nanostructured manganese oxide: crystalline evolution and catalytic activities. <i>CrystEngComm</i> , 2013 , 15, 7010	3.3	130
4	Transition metal doped cryptomelane-type manganese oxide for low-temperature catalytic combustion of dimethyl ether. <i>Chemical Engineering Journal</i> , 2013 , 220, 320-327	14.7	108
3	Multifunctional free-standing membrane from the self-assembly of ultralong MnO_2 nanowires. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 7458-64	9.5	53
2	Novel Synthesis of Birnessite-Type MnO_2 Nanostructure for Water Treatment and Electrochemical Capacitor. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 9586-9593	3.9	58
1	Promoting Effect of Ce in Ce/OMS-2 Catalyst for Catalytic Combustion of Dimethyl Ether. <i>Catalysis Letters</i> , 2011 , 141, 111-119	2.8	54