Lin Yu

List of Publications by Citations

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	In situ growth of burl-like nickel cobalt sulfide on carbon fibers as high-performance supercapacitors. *Journal of Materials Chemistry A*, **2015**, 3, 1730-1736	13	153
46	Controlled synthesis of nanostructured manganese oxide: crystalline evolution and catalytic activities. *CrystEngComm*, **2013**, 15, 7010	3.3	130
45	Synthesis of ultrathin mesoporous NiCo2O4 nanosheets on carbon fiber paper as integrated high-performance electrodes for supercapacitors. *Journal of Power Sources*, **2014**, 251, 202-207	8.9	113
44	Transition metal doped cryptomelane-type manganese oxide for low-temperature catalytic combustion of dimethyl ether. *Chemical Engineering Journal*, **2013**, 220, 320-327	14.7	108
43	High-performance □MnO2 nanowire electrode for supercapacitors. *Applied Energy*, **2015**, 153, 94-100	10.7	73
42	Enhanced catalytic performance by oxygen vacancy and active interface originated from facile reduction of OMS-2. *Chemical Engineering Journal*, **2018**, 331, 626-635	14.7	66
41	Mesoporous □MnO 2 microspheres with high specific surface area: Controlled synthesis and catalytic activities. *Chemical Engineering Journal*, **2016**, 286, 114-121	14.7	65
40	Novel Synthesis of Birnessite-Type MnO2 Nanostructure for Water Treatment and Electrochemical Capacitor. *Industrial & Engineering Chemistry Research*, **2013**, 52, 9586-9593	3.9	58
39	Promoting Effect of Ce in Ce/OMS-2 Catalyst for Catalytic Combustion of Dimethyl Ether. *Catalysis Letters*, **2011**, 141, 111-119	2.8	54
38	Multifunctional free-standing membrane from the self-assembly of ultralong MnO2 nanowires. *ACS Applied Materials & Interfaces*, **2013**, 5, 7458-64	9.5	53
37	Controllable Growth of Hierarchical NiCo2O4 Nanowires and Nanosheets on Carbon Fiber Paper and their Morphology-Dependent Pseudocapacitive Performances. *Electrochimica Acta*, **2014**, 133, 382-390	6.7	51
36	Microwave-Assisted Synthesis of FeO Nanocrystals with Predominantly Exposed Facets and Their Heterogeneous UVA/Fenton Catalytic Activity. *ACS Applied Materials & Interfaces*, **2017**, 9, 29203-29212	9.5	51
35	A facile one-pot hydrothermal synthesis of □MnO2 nanopincers and their catalytic degradation of methylene blue. *Journal of Solid State Chemistry*, **2014**, 217, 57-63	3.3	50
34	Three-dimensional radial □MnO2 synthesized from different redox potential for bifunctional oxygen electrocatalytic activities. *Journal of Power Sources*, **2017**, 362, 332-341	8.9	49
33	Phase controllable synthesis of three-dimensional star-like MnO2 hierarchical architectures as highly efficient and stable oxygen reduction electrocatalysts. *Journal of Materials Chemistry A*, **2016**, 4, 16462-16468	13	42
32	Highly Efficient Hydrogenation of Nitrobenzene to Aniline over Pt/CeO2 Catalysts: The Shape Effect of the Support and Key Role of Additional Ce3+ Sites. *ACS Catalysis*, **2020**, 10, 10350-10363	13.1	42
31	The art of balance: Engineering of structure defects and electrical conductivity of □MnO2 for oxygen reduction reaction. *Electrochimica Acta*, **2018**, 283, 459-466	6.7	38

30	High Performance All-solid Supercapacitors Based on the Network of Ultralong Manganese dioxide/Polyaniline Coaxial Nanowires. *Scientific Reports*, **2015**, 5, 17858	4.9	34
29	A facile one-pot hydrothermal synthesis of branched MnO2 nanorods for supercapacitor application. *CrystEngComm*, **2015**, 17, 5970-5977	3.3	32
28	C-CoP hollow microporous nanocages based on phosphating regulation: a high-performance bifunctional electrocatalyst for overall water splitting. *Nanoscale*, **2019**, 11, 17084-17092	7.7	30
27	Catalytic combustion of dimethyl ether over MnO 2 nanostructures with different morphologies. *Applied Surface Science*, **2017**, 409, 223-231	6.7	27
26	One-pot hydrothermal synthesis of novel 3D starfish-like MnO2 nanosheets on carbon fiber paper for high-performance supercapacitors. *RSC Advances*, **2017**, 7, 14910-14916	3.7	26
25	Adsorption and oxidation of arsenic by two kinds of MnO. *Journal of Hazardous Materials*, **2019**, 373, 232-242	12.8	26
24	Novel Ordered Mesoporous MnO2 Catalyst for High-Performance Catalytic Oxidation of Toluene and o-Xylene. *Industrial & Engineering Chemistry Research*, **2019**, 58, 13926-13934	3.9	26
23	Crystallization design of MnO2via acid towards better oxygen reduction activity. *CrystEngComm*, **2016**, 18, 6895-6902	3.3	19
22	MOF-derived metal oxide composite Mn2Co1Ox/CN for efficient formaldehyde oxidation at low temperature. *Catalysis Science and Technology*, **2019**, 9, 5845-5854	5.5	18
21	Influence of preparation temperature and acid treatment on the catalytic activity of MnO2. *Journal of Solid State Chemistry*, **2019**, 272, 173-181	3.3	15
20	Ultra-long MnO2 nanowires: Control synthesis and its absorption activity. *Materials Letters*, **2014**, 121, 234-237	3.3	15
19	Alkali ions pre-intercalation of MnO2 nanosheets for high-capacity and stable Zn-ion battery. *Materials Today Energy*, **2022**, 24, 100934	7	13
18	Real-Time Monitoring of Self-Aggregation of Amyloid by a Fluorescent Probe Based on Ruthenium Complex. *Analytical Chemistry*, **2020**, 92, 2953-2960	7.8	12
17	Oxygen Defect Engineering of MnO Catalysts via Phase Transformation for Selective Catalytic Reduction of NO. *Small*, **2021**, 17, e2102408	11	8
16	Photocatalytic transformation of climbazole and 4-chlorophenol formation using a floral array of chromium-substituted magnetite nanoparticles activated with peroxymonosulfate. *Environmental Science: Nano*, **2019**, 6, 2986-2999	7.1	7
15	Hierarchical branched MnO2: one-step synthesis and catalytic activity. *RSC Advances*, **2017**, 7, 46529-46535	3.7	5
14	Controllable synthesis 3D hierarchical structured MnO2@NiCo2O4 and its morphology-dependent activity. *Inorganic Chemistry Frontiers*, **2018**, 5, 319-326	6.8	5
13	Effect of textual features and surface properties of activated carbon on the production of hydrogen peroxide from hydroxylamine oxidation. *RSC Advances*, **2017**, 7, 25305-25313	3.7	4

12	Highly Ordered, Ultralong Mn-Based Nanowire Films with Low Contact Resistance as Freestanding Electrodes for Flexible Supercapacitors with Enhanced Performance. *ChemElectroChem*, **2017**, 4, 3061-3067	4.3	4
11	Surface phosphorization of Ni-Co-S as an efficient bifunctional electrocatalyst for full water splitting. *Dalton Transactions*, **2021**, 50, 16578-16586	4.3	4
10	Tuning Hydrogen Binding Energy by Interfacial Charge Transfer Enables pH-Universal Hydrogen Evolution Catalysis of Metal Phosphides. *Chemical Engineering Journal*, **2021**, 132699	14.7	4
9	Interconnected NiCo2O4 nanosheet arrays grown on carbon cloth as a host, adsorber and catalyst for sulfur species enabling high-performance Li□S batteries. *Nanoscale Advances*, **2021**, 3, 1690-1698	5.1	4
8	Shape-controlled synthesis of nickel□cobalt□sulfide with enhanced electrochemical activity. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 2251-2258	2.1	3
7	Self-templated formation of hierarchical hollow □MnO2 microspheres with enhanced oxygen reduction activities. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2022**, 637, 128228	5.1	2
6	A composite material with CeO2-ZrO2 nanocrystallines embedded in SiO2 matrices and its enhanced thermal stability and oxygen storage capacity. *Journal of Nanoparticle Research*, **2018**, 20, 1	2.3	2
5	Promotion Effect of Chromium on the Activity and SO2 Resistance of CeO2□TiO2 Catalysts for the NH3-SCR Reaction. *Industrial & Engineering Chemistry Research*, **2021**, 60, 11676-11688	3.9	2
4	Nano Fe3-Cu O4 as the heterogeneous catalyst in an advanced oxidation process for excellent peroxymonosulfate activation toward climbazole degradation. *Chemical Engineering Journal*, **2022**, 439, 135553	14.7	2
3	Orthorhombic CoSe2 nanoparticles anchored in Ketjenblack as a bifunctional electrocatalyst for Zn-air batteries. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 14385	2.1	1
2	The synergistically enhanced activity and stability of layered manganese oxide via the engineering of defects and K+ ions for oxygen electrocatalysis. *CrystEngComm*, **2022**, 24, 2327-2335	3.3	0
1	Enhanced Catalytic Hydrogen Peroxide Production from Hydroxylamine Oxidation on Modified Activated Carbon Fibers: The Role of Surface Chemistry. *Catalysts*, **2021**, 11, 1515	4	0