

Yichao Lin

List of Publications by Year in descending order

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31
papers

2,765
citations

361413

20
h-index

414414

32
g-index

32
all docs

32
docs citations

32
times ranked

4134
citing authors

#	ARTICLE	IF	CITATIONS
1	Chromium-ruthenium oxide solid solution electrocatalyst for highly efficient oxygen evolution reaction in acidic media. <i>Nature Communications</i> , 2019, 10, 162.	12.8	396
2	Metal-Organic Frameworks for Carbon Dioxide Capture and Methane Storage. <i>Advanced Energy Materials</i> , 2017, 7, 1601296.	19.5	334
3	Polyethyleneimine Incorporated Metal-Organic Frameworks Adsorbent for Highly Selective CO ₂ Capture. <i>Scientific Reports</i> , 2013, 3, 1859.	3.3	223
4	Direct synthesis of amine-functionalized MIL-101(Cr) nanoparticles and application for CO ₂ capture. <i>RSC Advances</i> , 2012, 2, 6417.	3.6	209
5	Ultrafine Defective RuO ₂ Electrocatalyst Integrated on Carbon Cloth for Robust Water Oxidation in Acidic Media. <i>Advanced Energy Materials</i> , 2019, 9, 1901313.	19.5	182
6	Amine-functionalized metal-organic frameworks: structure, synthesis and applications. <i>RSC Advances</i> , 2016, 6, 32598-32614.	3.6	169
7	Fabricating Single-Atom Catalysts from Chelating Metal in Open Frameworks. <i>Advanced Materials</i> , 2019, 31, e1808193.	21.0	153
8	An exceptionally stable functionalized metal-organic framework for lithium storage. <i>Chemical Communications</i> , 2015, 51, 697-699.	4.1	145
9	A Co-Doped Nanorod-like RuO ₂ Electrocatalyst with Abundant Oxygen Vacancies for Acidic Water Oxidation. <i>IScience</i> , 2020, 23, 100756.	4.1	125
10	Enhanced selective CO ₂ adsorption on polyamine/MIL-101(Cr) composites. <i>Journal of Materials Chemistry A</i> , 2014, 2, 14658-14665.	10.3	121
11	Remarkable CO ₂ /CH ₄ selectivity and CO ₂ adsorption capacity exhibited by polyamine-decorated metal-organic framework adsorbents. <i>Chemical Communications</i> , 2013, 49, 6873.	4.1	120
12	Facile synthesis of Fe-MOF/RGO and its application as a high performance anode in lithium-ion batteries. <i>RSC Advances</i> , 2016, 6, 30763-30768.	3.6	118
13	Si/Ag/C Nanohybrids with <i>In Situ</i> Incorporation of Super-Small Silver Nanoparticles: Tiny Amount, Huge Impact. <i>ACS Nano</i> , 2018, 12, 861-875.	14.6	67
14	Phase-selective synthesis of self-supported RuP films for efficient hydrogen evolution electrocatalysis in alkaline media. <i>Nanoscale</i> , 2018, 10, 13930-13935.	5.6	67
15	A hollow ceramic fiber supported ZIF-8 membrane with enhanced gas separation performance prepared by hot dip-coating seeding. <i>Journal of Materials Chemistry A</i> , 2013, 1, 13046.	10.3	60
16	Designed Synthesis of Functionalized Two-Dimensional Metal-Organic Frameworks with Preferential CO ₂ Capture. <i>ChemPlusChem</i> , 2013, 78, 86-91.	2.8	48
17	Insights into High Conductivity of the Two-Dimensional Iodine-Oxidized sp ² -c-COF. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 43595-43602.	8.0	37
18	Mg-Doping improves the performance of Ru-based electrocatalysts for the acidic oxygen evolution reaction. <i>Chemical Communications</i> , 2020, 56, 1749-1752.	4.1	36

#	ARTICLE	IF	CITATIONS
19	Ligand Defect Density Regulation in Metal-Organic Frameworks by Functional Group Engineering on Linkers. <i>Nano Letters</i> , 2022, 22, 838-845.	9.1	29
20	A NbO type microporous metal-organic framework constructed from a naphthalene derived ligand for CH ₄ and C ₂ H ₂ storage at room temperature. <i>RSC Advances</i> , 2014, 4, 49457-49461.	3.6	23
21	Investigation on a Zr-based metal-organic framework (MOF-801) for the high-performance separation of light alkanes. <i>Chemical Communications</i> , 2021, 57, 13008-13011.	4.1	23
22	Recent advances on electrocatalytic fixation of nitrogen under ambient conditions. <i>Materials Chemistry Frontiers</i> , 2021, 5, 5516-5533.	5.9	14
23	Facile Synthesis of Aluminum-Based Metal-Organic Frameworks with Different Morphologies and Structures through an OH ⁻ -Assisted Method. <i>Chemistry - an Asian Journal</i> , 2013, 8, 1873-1878.	3.3	13
24	Enhanced catalytic performance of Pt by coupling with carbon defects. <i>Innovation(China)</i> , 2021, 2, 100161.	9.1	11
25	Synthesis and Electrochemical Characterization of Lithium Carboxylate 2D Compounds as High-Performance Anodes for Li ⁺ Ion Batteries. <i>ChemElectroChem</i> , 2020, 7, 306-313.	3.4	8
26	Transformation from a non-radical to a radical pathway via the amorphization of a Ni(OH) ₂ catalyst as a peroxymonosulfate activator for the ultrafast degradation of organic pollutants. <i>Nanoscale</i> , 2021, 13, 7700-7708.	5.6	8
27	Solvothermal synthesis of hierarchical Eu ₂ O ₃ nanostructures templated by PS-b-PMAA: morphology control via simple variation of water contents. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5789-5793.	10.3	7
28	Porous titania/carbon hybrid microspheres templated by in situ formed polystyrene colloids. <i>Journal of Colloid and Interface Science</i> , 2016, 469, 242-256.	9.4	5
29	Post-Synthesized Method on Amine-Functionalized MOF Membrane for CO ₂ /CH ₄ Separation. <i>ChemistrySelect</i> , 2018, 3, 9499-9503.	1.5	5
30	A Stable Amine-Functionalized Microporous Metal-Organic Framework for Thermodynamically and Kinetically Selective Gas Separations. <i>ChemistrySelect</i> , 2019, 4, 3841-3847.	1.5	5
31	Electrocatalysts: Ultrafine Defective RuO ₂ Electrocatalyst Integrated on Carbon Cloth for Robust Water Oxidation in Acidic Media (<i>Adv. Energy Mater.</i> 35/2019). <i>Advanced Energy Materials</i> , 2019, 9, 1970136.	19.5	3