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	Ligand Defect Density Regulation in Metalâ€“Organic Frameworks by Functional Group Engineering on Linkers. Nano Letters, 2022, 22, 838-845.	9.1	29
2	Recent advances on electrocatalytic fixation of nitrogen under ambient conditions. Materials Chemistry Frontiers, 2021, 5, 5516-5533.	5.9	14
3	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. Nanoscale, 2021, 13, 7700-7708.	5.6	8
4	Enhanced catalytic performance of Pt by coupling with carbon defects. Innovation(China), 2021, 2, 100161.	9.1	11
5	Investigation on a Zr-based metalâ€“organic framework (MOF-801) for the high-performance separation of light alkanes. Chemical Communications, 2021, 57, 13008-13011.	4.1	23
6	Mg-Doping improves the performance of Ru-based electrocatalysts for the acidic oxygen evolution reaction. Chemical Communications, 2020, 56, 1749-1752.	4.1	36
7	A Co-Doped Nanorod-like RuO2 Electrocatalyst with Abundant Oxygen Vacancies for Acidic Water Oxidation. IScience, 2020, 23, 100756.	4.1	125
8	Synthesis and Electrochemical Characterization of Lithium Carboxylate 2D Compounds as Highâ€Performance Anodes for Liâ^'Ion Batteries. ChemElectroChem, 2020, 7, 306-313.	3.4	8
9	Ultrafine Defective RuO₂ Electrocatayst Integrated on Carbon Cloth for Robust Water Oxidation in Acidic Media. Advanced Energy Materials, 2019, 9, 1901313.	19.5	182
10	Electrocatalysts: Ultrafine Defective RuO₂ Electrocatayst Integrated on Carbon Cloth for Robust Water Oxidation in Acidic Media (Adv. Energy Mater. 35/2019). Advanced Energy Materials, 2019, 9, 1970136.	19.5	3
11	Chromium-ruthenium oxide solid solution electrocatalyst for highly efficient oxygen evolution reaction in acidic media. Nature Communications, 2019, 10, 162.	12.8	396
12	Fabricating Singleâ€Atom Catalysts from Chelating Metal in Open Frameworks. Advanced Materials, 2019, 31, e1808193.	21.0	153
13	A Stable Amineâ€Functionalized Microporous Metalâ€“Organic Framework for Thermodynamically and Kinetically Selective Gas Separations. ChemistrySelect, 2019, 4, 3841-3847.	1.5	5
14	Si/Ag/C Nanohybrids with in Situ Incorporation of Super-Small Silver Nanoparticles: Tiny Amount, Huge Impact. ACS Nano, 2018, 12, 861-875.	14.6	67
15	Insights into High Conductivity of the Two-Dimensional Iodine-Oxidized sp²-c-COF. ACS Applied Materials & Interfaces, 2018, 10, 43595-43602.	8.0	37
16	Postâ€Synthesized Method on Amineâ€Functionalized MOF Membrane for CO₂/CH₄ Separation. ChemistrySelect, 2018, 3, 9499-9503.	1.5	5
17	Phase-selective synthesis of self-supported RuP films for efficient hydrogen evolution electrocatalysis in alkaline media. Nanoscale, 2018, 10, 13930-13935.	5.6	67
18	Metalâ€Organic Frameworks for Carbon Dioxide Capture and Methane Storage. Advanced Energy Materials, 2017, 7, 1601296.	19.5	334

#	Article	IF	Citations
19	Facile synthesis of Fe-MOF/RGO and its application as a high performance anode in lithium-ion batteries. RSC Advances, 2016, 6, 30763-30768.	3.6	118
20	Amine-functionalized metalâ€“organic frameworks: structure, synthesis and applications. RSC Advances, 2016, 6, 32598-32614.	3.6	169
21	Porous titania/carbon hybrid microspheres templated by in situ formed polystyrene colloids. Journal of Colloid and Interface Science, 2016, 469, 242-256.	9.4	5
22	Solvothermal synthesis of hierarchical Eu₂O₃ nanostructures templated by PS-b-PMAA: morphology control via simple variation of water contents. Journal of Materials Chemistry A, 2015, 3, 5789-5793.	10.3	7
23	An exceptionally stable functionalized metalâ€“organic framework for lithium storage. Chemical Communications, 2015, 51, 697-699.	4.1	145
24	A NbO type microporous metalâ€“organic framework constructed from a naphthalene derived ligand for CH₄and C₂H₂storage at room temperature. RSC Advances, 2014, 4, 49457-49461.	3.6	23
25	Enhanced selective CO₂ adsorption on polyamine/MIL-101(Cr) composites. Journal of Materials Chemistry A, 2014, 2, 14658-14665.	10.3	121
26	Remarkable CO2/CH4 selectivity and CO2 adsorption capacity exhibited by polyamine-decorated metalâ€“organic framework adsorbents. Chemical Communications, 2013, 49, 6873.	4.1	120
27	A hollow ceramic fiber supported ZIF-8 membrane with enhanced gas separation performance prepared by hot dip-coating seeding. Journal of Materials Chemistry A, 2013, 1, 13046.	10.3	60
28	Designed Synthesis of Functionalized Twoâ€Dimensional Metalâ€“Organic Frameworks with Preferential CO₂ Capture. ChemPlusChem, 2013, 78, 86-91.	2.8	48
29	Polyethyleneimine Incorporated Metal-Organic Frameworks Adsorbent for Highly Selective CO2 Capture. Scientific Reports, 2013, 3, 1859.	3.3	223
30	Facile Synthesis of Aluminumâ€Based Metalâ€“Organic Frameworks with Different Morphologies and Structures through an OH^{â^'}â€Assisted Method. Chemistry - an Asian Journal, 2013, 8, 1873-1878.	3.3	13
31	Direct synthesis of amine-functionalized MIL-101(Cr) nanoparticles and application for CO2 capture. RSC Advances, 2012, 2, 6417.	3.6	209