

Adam J Rieth

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

2,138
citations

430874

18
h-index

677142

22
g-index

25
all docs

25
docs citations

25
times ranked

3116
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-Lived Triplet Excited State in a Heterogeneous Modified Carbon Nitride Photocatalyst. <i>Journal of the American Chemical Society</i> , 2021, 143, 4646-4652.	13.7	48
2	How Radical Are "Radical" Photocatalysts? A Closed-Shell Meisenheimer Complex Is Identified as a Super-Reducing Photoreagent. <i>Journal of the American Chemical Society</i> , 2021, 143, 14352-14359.	13.7	53
3	Divergent Adsorption Behavior Controlled by Primary Coordination Sphere Anions in the Metal-Organic Framework Ni ₂ X ₂ BTDD. <i>Journal of the American Chemical Society</i> , 2021, 143, 16343-16347.	13.7	15
4	Solar-driven tandem photoredox nickel-catalysed cross-coupling using modified carbon nitride. <i>Chemical Science</i> , 2020, 11, 7456-7461.	7.4	47
5	Record-Setting Sorbents for Reversible Water Uptake by Systematic Anion Exchanges in Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 13858-13866.	13.7	118
6	Hydrogen bonding structure of confined water templated by a metal-organic framework with open metal sites. <i>Nature Communications</i> , 2019, 10, 4771.	12.8	86
7	Metal-Organic Framework-Derived Guerbet Catalyst Effectively Differentiates between Ethanol and Butanol. <i>Journal of the American Chemical Society</i> , 2019, 141, 17477-17481.	13.7	31
8	Kinetic stability of metal-organic frameworks for corrosive and coordinating gas capture. <i>Nature Reviews Materials</i> , 2019, 4, 708-725.	48.7	214
9	Selective Vapor Pressure Dependent Proton Transport in a Metal-Organic Framework with Two Distinct Hydrophilic Pores. <i>Journal of the American Chemical Society</i> , 2018, 140, 2016-2019.	13.7	64
10	Tricking Inert Metals into Water-Absorbing MOFs. <i>Joule</i> , 2018, 2, 18-20.	24.0	6
11	Controlled Gas Uptake in Metal-Organic Frameworks with Record Ammonia Sorption. <i>Journal of the American Chemical Society</i> , 2018, 140, 3461-3466.	13.7	250
12	Precise control of pore hydrophilicity enabled by post-synthetic cation exchange in metal-organic frameworks. <i>Chemical Science</i> , 2018, 9, 3856-3859.	7.4	70
13	Tunable Metal-Organic Frameworks Enable High-Efficiency Cascaded Adsorption Heat Pumps. <i>Journal of the American Chemical Society</i> , 2018, 140, 17591-17596.	13.7	78
14	Programming Framework Materials for Ammonia Capture. <i>ACS Central Science</i> , 2018, 4, 666-667.	11.3	12
15	Grand Challenges and Future Opportunities for Metal-Organic Frameworks. <i>ACS Central Science</i> , 2017, 3, 554-563.	11.3	311
16	Record Atmospheric Fresh Water Capture and Heat Transfer with a Material Operating at the Water Uptake Reversibility Limit. <i>ACS Central Science</i> , 2017, 3, 668-672.	11.3	275
17	Moisture Farming with Metal-Organic Frameworks. <i>CheM</i> , 2017, 2, 757-759.	11.7	5
18	Highly Stereoselective Heterogeneous Diene Polymerization by Co-MFU-4l: A Single-Site Catalyst Prepared by Cation Exchange. <i>Journal of the American Chemical Society</i> , 2017, 139, 12664-12669.	13.7	63

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19	High and Reversible Ammonia Uptake in Mesoporous Azolate Metal-Organic Frameworks with Open Mn, Co, and Ni Sites. <i>Journal of the American Chemical Society</i> , 2016, 138, 9401-9404.	13.7	229
20	Enhanced photoelectrochemical water oxidation via atomic layer deposition of TiO ₂ on fluorine-doped tin oxide nanoparticle films. <i>Nanoscale</i> , 2015, 7, 8584-8592.	5.6	20
21	Photoinduced Interfacial Electron Transfer within a Mesoporous Transparent Conducting Oxide Film. <i>Journal of the American Chemical Society</i> , 2014, 136, 2208-2211.	13.7	47
22	Water Oxidation and Oxygen Monitoring by Cobalt-Modified Fluorine-Doped Tin Oxide Electrodes. <i>Journal of the American Chemical Society</i> , 2013, 135, 8432-8435.	13.7	96