Adam J Rieth

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7128478/publications.pdf

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22	2,138	430874 18	677142 22
papers	citations	h-index	g-index

25	25	25	3116
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Grand Challenges and Future Opportunities for Metalâ€“Organic Frameworks. ACS Central Science, 2017, 3, 554-563.	11.3	311
2	Record Atmospheric Fresh Water Capture and Heat Transfer with a Material Operating at the Water Uptake Reversibility Limit. ACS Central Science, 2017, 3, 668-672.	11.3	275
3	Controlled Gas Uptake in Metalâ€“Organic Frameworks with Record Ammonia Sorption. Journal of the American Chemical Society, 2018, 140, 3461-3466.	13.7	250
4	High and Reversible Ammonia Uptake in Mesoporous Azolate Metalâ€“Organic Frameworks with Open Mn, Co, and Ni Sites. Journal of the American Chemical Society, 2016, 138, 9401-9404.	13.7	229
5	Kinetic stability of metalâ€“organic frameworks for corrosive and coordinating gas capture. Nature Reviews Materials, 2019, 4, 708-725.	48.7	214
6	Record-Setting Sorbents for Reversible Water Uptake by Systematic Anion Exchanges in Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2019, 141, 13858-13866.	13.7	118
7	Water Oxidation and Oxygen Monitoring by Cobalt-Modified Fluorine-Doped Tin Oxide Electrodes. Journal of the American Chemical Society, 2013, 135, 8432-8435.	13.7	96
8	Hydrogen bonding structure of confined water templated by a metal-organic framework with open metal sites. Nature Communications, 2019, 10, 4771.	12.8	86
9	Tunable Metalâ€“Organic Frameworks Enable High-Efficiency Cascaded Adsorption Heat Pumps. Journal of the American Chemical Society, 2018, 140, 17591-17596.	13.7	78
10	Precise control of pore hydrophilicity enabled by post-synthetic cation exchange in metalâ€“organic frameworks. Chemical Science, 2018, 9, 3856-3859.	7.4	70
11	Selective Vapor Pressure Dependent Proton Transport in a Metalâ€“Organic Framework with Two Distinct Hydrophilic Pores. Journal of the American Chemical Society, 2018, 140, 2016-2019.	13.7	64
12	Highly Stereoselective Heterogeneous Diene Polymerization by Co-MFU-4l: A Single-Site Catalyst Prepared by Cation Exchange. Journal of the American Chemical Society, 2017, 139, 12664-12669.	13.7	63
13	How Radical Are â€œRadicalâ€•Photocatalysts? A Closed-Shell Meisenheimer Complex Is Identified as a Super-Reducing Photoreagent. Journal of the American Chemical Society, 2021, 143, 14352-14359.	13.7	53
14	Long-Lived Triplet Excited State in a Heterogeneous Modified Carbon Nitride Photocatalyst. Journal of the American Chemical Society, 2021, 143, 4646-4652.	13.7	48
15	Photoinduced Interfacial Electron Transfer within a Mesoporous Transparent Conducting Oxide Film. Journal of the American Chemical Society, 2014, 136, 2208-2211.	13.7	47
16	Solar-driven tandem photoredox nickel-catalysed cross-coupling using modified carbon nitride. Chemical Science, 2020, 11, 7456-7461.	7.4	47
17	Metalâ€“Organic Framework-Derived Guerbet Catalyst Effectively Differentiates between Ethanol and Butanol. Journal of the American Chemical Society, 2019, 141, 17477-17481.	13.7	31
18	Enhanced photoelectrochemical water oxidation via atomic layer deposition of TiO₂ on fluorine-doped tin oxide nanoparticle films. Nanoscale, 2015, 7, 8584-8592.	5.6	20

#	Article	IF	Citations
19	Divergent Adsorption Behavior Controlled by Primary Coordination Sphere Anions in the Metalâ€“Organic Framework Ni₂X₂BTDD. Journal of the American Chemical Society, 2021, 143, 16343-16347.	13.7	15
20	Programming Framework Materials for Ammonia Capture. ACS Central Science, 2018, 4, 666-667.	11.3	12
21	Tricking Inert Metals into Water-Absorbing MOFs. Joule, 2018, 2, 18-20.	24.0	6
22	Moisture Farming with Metal-Organic Frameworks. CheM, 2017, 2, 757-759.	11.7	5