

Eugene A Kapustin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9142189/publications.pdf>

Version: 2024-02-01

21
papers

4,868
citations

516215

16
h-index

676716

22
g-index

22
all docs

22
docs citations

22
times ranked

6120
citing authors

#	ARTICLE	IF	CITATIONS
1	Water harvesting from air with metal-organic frameworks powered by natural sunlight. <i>Science</i> , 2017, 356, 430-434.	6.0	1,179
2	Single-crystal x-ray diffraction structures of covalent organic frameworks. <i>Science</i> , 2018, 361, 48-52.	6.0	868
3	Reticular Electronic Tuning of Porphyrin Active Sites in Covalent Organic Frameworks for Electrocatalytic Carbon Dioxide Reduction. <i>Journal of the American Chemical Society</i> , 2018, 140, 1116-1122.	6.6	457
4	Practical water production from desert air. <i>Science Advances</i> , 2018, 4, eaat3198.	4.7	406
5	Adsorption-based atmospheric water harvesting device for arid climates. <i>Nature Communications</i> , 2018, 9, 1191.	5.8	401
6	The Chemistry of CO ₂ Capture in an Amine-Functionalized Metal-Organic Framework under Dry and Humid Conditions. <i>Journal of the American Chemical Society</i> , 2017, 139, 12125-12128.	6.6	371
7	Rapid Cycling and Exceptional Yield in a Metal-Organic Framework Water Harvester. <i>ACS Central Science</i> , 2019, 5, 1699-1706.	5.3	340
8	Coordinative alignment of molecules in chiral metal-organic frameworks. <i>Science</i> , 2016, 353, 808-811.	6.0	262
9	A Synthetic Route for Crystals of Woven Structures, Uniform Nanocrystals, and Thin Films of Imine Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2017, 139, 13166-13172.	6.6	193
10	Deconvoluting the Role of Charge in a Supramolecular Catalyst. <i>Journal of the American Chemical Society</i> , 2018, 140, 6591-6595.	6.6	81
11	Molecular Retrofitting Adapts a Metal-Organic Framework to Extreme Pressure. <i>ACS Central Science</i> , 2017, 3, 662-667.	5.3	79
12	Model Studies of the Kinetics of Ester Hydrolysis under Stretching Force. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6992-6995.	7.2	49
13	Coordinative Alignment in the Pores of MOFs for the Structural Determination of N-, S-, and P-Containing Organic Compounds Including Complex Chiral Molecules. <i>Journal of the American Chemical Society</i> , 2019, 141, 18862-18869.	6.6	49
14	Architectural Stabilization of a Gold(III) Catalyst in Metal-Organic Frameworks. <i>CheM</i> , 2020, 6, 142-152.	5.8	39
15	One Hydrogen Bond—Two Ways To Build a Structure. The Role of H ⁺ ⋯O Hydrogen Bonds in Crystal Structures of N,N-Dimethylglycine. <i>Crystal Growth and Design</i> , 2014, 14, 1851-1864.	1.4	17
16	Response to Comment on "Water harvesting from air with metal-organic frameworks powered by natural sunlight". <i>Science</i> , 2017, 358, .	6.0	16
17	Oxidative stress of H ₂ O ₂ on N,N-dimethylglycine: formation of perhydrate crystals and more. <i>CrystEngComm</i> , 2014, 16, 10165-10168.	1.3	13
18	Effect of pressure on methylated glycine derivatives: relative roles of hydrogen bonds and steric repulsion of methyl groups. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014, 70, 517-532.	0.5	11

#	ARTICLE	IF	CITATIONS
19	Sarcosine and betaine crystals upon cooling: structural motifs unstable at high pressure become stable at low temperatures. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 3534-3543.	1.3	11
20	A Crystal with Nearly 200% of Its Body Weight in Water. <i>CheM</i> , 2018, 4, 16-17.	5.8	8
21	Response to Comment on "Water harvesting from air with metal-organic frameworks powered by natural sunlight". <i>Science</i> , 2017, 358, .	6.0	5