

Eugene A Kapustin

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22
papers

3,089
citations

15
h-index

22
g-index

22
ext. papers

3,907
ext. citations

16.7
avg, IF

5.45
L-index

#	Paper	IF	Citations
22	Water harvesting from air with metal-organic frameworks powered by natural sunlight. <i>Science</i> , 2017 , 356, 430-434	33.3	800
21	Single-crystal x-ray diffraction structures of covalent organic frameworks. <i>Science</i> , 2018 , 361, 48-52	33.3	521
20	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	16.4	300
19	The Chemistry of CO 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	16.4	269
18	Adsorption-based atmospheric water harvesting device for arid climates. <i>Nature Communications</i> , 2018 , 9, 1191	17.4	227
17	Practical water production from desert air. <i>Science Advances</i> , 2018 , 4, eaat3198	14.3	214
16	Coordinative alignment of molecules in chiral metal-organic frameworks. <i>Science</i> , 2016 , 353, 808-11	33.3	211
15	Rapid Cycling and Exceptional Yield in a Metal-Organic Framework Water Harvester. <i>ACS Central Science</i> , 2019 , 5, 1699-1706	16.8	150
14	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	16.4	131
13	Molecular Retrofitting Adapts a Metal-Organic Framework to Extreme Pressure. <i>ACS Central Science</i> , 2017 , 3, 662-667	16.8	59
12	Deconvoluting the Role of Charge in a Supramolecular Catalyst. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6591-6595	16.4	49
11	Model studies of the kinetics of ester hydrolysis under stretching force. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 6992-5	16.4	38
10	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	16.4	28
9	Architectural Stabilization of a Gold(III) Catalyst in Metal-Organic Frameworks. <i>Chem</i> , 2020 , 6, 142-152	16.2	19
8	One Hydrogen Bond Two Ways To Build a Structure. The Role of N-H...O Hydrogen Bonds in Crystal Structures of N,N-Dimethylglycine. <i>Crystal Growth and Design</i> , 2014 , 14, 1851-1864	3.5	16
7	Response to Comment on "Water harvesting from air with metal-organic frameworks powered by natural sunlight". <i>Science</i> , 2017 , 358,	33.3	13
6	Oxidative stress of H ₂ O ₂ on N,N-dimethylglycine: formation of perhydrate crystals and more. <i>CrystEngComm</i> , 2014 , 16, 10165-10168	3.3	12

5	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, 517-32	1.8	9
4	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, 3534-43	3.6	8
3	Model Studies of the Kinetics of Ester Hydrolysis under Stretching Force. <i>Angewandte Chemie</i> , 2013 , 125, 7130-7133	3.6	7
2	A Crystal with Nearly 200% of Its Body Weight in Water. <i>CheM</i> , 2018 , 4, 16-17	16.2	6
1	Response to Comment on "Water harvesting from air with metal-organic frameworks powered by natural sunlight". <i>Science</i> , 2017 , 358,	33.3	2