Eugene A Kapustin

List of Publications by Year in Descending Order

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	Architectural Stabilization of a Gold(III) Catalyst in Metal-Organic Frameworks. *CheM*, **2020**, 6, 142-152	16.2	19
21	Rapid Cycling and Exceptional Yield in a Metal-Organic Framework Water Harvester. *ACS Central Science*, **2019**, 5, 1699-1706	16.8	150
20	Coordinative Alignment in the Pores of MOFs for the Structural Determination of N-, S-, and P-Containing Organic Compounds Including Complex Chiral Molecules. *Journal of the American Chemical Society*, **2019**, 141, 18862-18869	16.4	28
19	A Crystal with Nearly 200% of Its Body Weight in Water. *CheM*, **2018**, 4, 16-17	16.2	6
18	Reticular Electronic Tuning of Porphyrin Active Sites in Covalent Organic Frameworks for Electrocatalytic Carbon Dioxide Reduction. *Journal of the American Chemical Society*, **2018**, 140, 1116-1122	16.4	300
17	Adsorption-based atmospheric water harvesting device for arid climates. *Nature Communications*, **2018**, 9, 1191	17.4	227
16	Practical water production from desert air. *Science Advances*, **2018**, 4, eaat3198	14.3	214
15	Deconvoluting the Role of Charge in a Supramolecular Catalyst. *Journal of the American Chemical Society*, **2018**, 140, 6591-6595	16.4	49
14	Single-crystal x-ray diffraction structures of covalent organic frameworks. *Science*, **2018**, 361, 48-52	33.3	521
13	Water harvesting from air with metal-organic frameworks powered by natural sunlight. *Science*, **2017**, 356, 430-434	33.3	800
12	Molecular Retrofitting Adapts a Metal-Organic Framework to Extreme Pressure. *ACS Central Science*, **2017**, 3, 662-667	16.8	59
11	A Synthetic Route for Crystals of Woven Structures, Uniform Nanocrystals, and Thin Films of Imine Covalent Organic Frameworks. *Journal of the American Chemical Society*, **2017**, 139, 13166-13172	16.4	131
10	The Chemistry of CO Capture in an Amine-Functionalized Metal-Organic Framework under Dry and Humid Conditions. *Journal of the American Chemical Society*, **2017**, 139, 12125-12128	16.4	269
9	Response to Comment on "Water harvesting from air with metal-organic frameworks powered by natural sunlight". *Science*, **2017**, 358,	33.3	2
8	Response to Comment on "Water harvesting from air with metal-organic frameworks powered by natural sunlight". *Science*, **2017**, 358,	33.3	13
7	Coordinative alignment of molecules in chiral metal-organic frameworks. *Science*, **2016**, 353, 808-11	33.3	211
6	Sarcosine and betaine crystals upon cooling: structural motifs unstable at high pressure become stable at low temperatures. *Physical Chemistry Chemical Physics*, **2015**, 17, 3534-43	3.6	8

5	Effect of pressure on methylated glycine derivatives: relative roles of hydrogen bonds and steric repulsion of methyl groups. *Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials*, **2014**, 70, 517-32	1.8	9
4	Oxidative stress of H2O2 on N,N-dimethylglycine: formation of perhydrate crystals and more. *CrystEngComm*, **2014**, 16, 10165-10168	3.3	12
3	One Hydrogen Bond□Two Ways To Build a Structure. The Role of NH□□O Hydrogen Bonds in Crystal Structures of N,N-Dimethylglycine. *Crystal Growth and Design*, **2014**, 14, 1851-1864	3.5	16
2	Model studies of the kinetics of ester hydrolysis under stretching force. *Angewandte Chemie - International Edition*, **2013**, 52, 6992-5	16.4	38
1	Model Studies of the Kinetics of Ester Hydrolysis under Stretching Force. *Angewandte Chemie*, **2013**, 125, 7130-7133	3.6	7