

Liquid, glass and amorphous solid states of coordination frameworks

Nature Reviews Materials

3, 431-440

DOI: [10.1038/s41578-018-0054-3](https://doi.org/10.1038/s41578-018-0054-3)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Resonance Energy Transfer in Arbitrary Media: Beyond the Point Dipole Approximation. <i>Journal of Physical Chemistry C</i> , 2018, 122, 29445-29456.	1.5	21
2	Subwavelength Spatially Resolved Coordination Chemistry of Metal-Organic Framework Glass Blends. <i>Journal of the American Chemical Society</i> , 2018, 140, 17862-17866.	6.6	23
3	Prediction of the Glass Transition Temperatures of Zeolitic Imidazolate Glasses through Topological Constraint Theory. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6985-6990.	2.1	29
4	Versatile Amorphous Structures of Phosphonate Metal-Organic Framework/Alginate Composite for Tunable Sieving of Ions. <i>Advanced Functional Materials</i> , 2019, 29, 1904016.	7.8	20
5	Meltable Mixed-Linker Zeolitic Imidazolate Frameworks and Their Microporous Glasses: From Melting Point Engineering to Selective Hydrocarbon Sorption. <i>Journal of the American Chemical Society</i> , 2019, 141, 12362-12371.	6.6	143
6	Broad Mid-Infrared Luminescence in a Metal-Organic Framework Glass. <i>ACS Omega</i> , 2019, 4, 12081-12087.	1.6	41
7	A fluorescent pillarene coordination polymer. <i>Polymer Chemistry</i> , 2019, 10, 2980-2985.	1.9	38
8	Facile Synthesis and Accelerated Combustion Effect of Micro-/Nanostructured Amorphous and Crystalline Metal Coordination Compounds Based on <i>N,N</i> -Bis[1- <i>H</i> -tetrazol-5-yl]amine. <i>ACS Applied Energy Materials</i> , 2019, 2, 8319-8327.	2.5	6
9	Unraveling the thermodynamic criteria for size-dependent spontaneous phase separation in soft porous crystals. <i>Nature Communications</i> , 2019, 10, 4842.	5.8	47
10	Controlling the Packing of Metal-Organic Layers by Inclusion of Polymer Guests. <i>Journal of the American Chemical Society</i> , 2019, 141, 14549-14553.	6.6	17
11	Kinetic stability of metal-organic frameworks for corrosive and coordinating gas capture. <i>Nature Reviews Materials</i> , 2019, 4, 708-725.	23.3	214
12	Phase diagrams of liquid-phase mixing in multi-component metal-organic framework glasses constructed by quantitative elemental nano-tomography. <i>APL Materials</i> , 2019, 7, .	2.2	18
13	Porous purple glass – a cobalt imidazolate glass with accessible porosity from a meltable cobalt imidazolate framework. <i>Journal of Materials Chemistry A</i> , 2019, 7, 985-990.	5.2	109
14	Toward Green Production of Water-Stable Metal-Organic Frameworks Based on High-Valence Metals with Low Toxicities. <i>ACS Sustainable Chemistry and Engineering</i> , 0, .	3.2	21
15	Amorphous (Fe)Ni-MOF-derived hollow (bi)metal/oxide@N-graphene polyhedron as effectively bifunctional catalysts in overall alkaline water splitting. <i>Electrochimica Acta</i> , 2019, 318, 430-439.	2.6	55
16	X-ray radiation-induced amorphization of metal-organic frameworks. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 12389-12395.	1.3	30
17	Crystal Structures and Melting Behaviors of 2D and 3D Anionic Coordination Polymers Containing Organometallic Ionic Liquid Components. <i>Chemistry - A European Journal</i> , 2019, 25, 10111-10117.	1.7	17
18	Novel metal-organic framework materials: blends, liquids, glasses and crystal-glass composites. <i>Chemical Communications</i> , 2019, 55, 8705-8715.	2.2	72

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19	The effect of amorphization on the molecular motion of the 2-methylimidazolate linkers in ZIF-8. <i>Chemical Communications</i> , 2019, 55, 5906-5909.	2.2	14
20	Scalable, room temperature, and water-based synthesis of functionalized zirconium-based metal-organic frameworks for toxic chemical removal. <i>CrystEngComm</i> , 2019, 21, 2409-2415.	1.3	67
21	Water-Induced Breaking of the Coulombic Ordering in a Room-Temperature Ionic Liquid Metal Complex. <i>Chemistry - A European Journal</i> , 2019, 25, 7521-7525.	1.7	6
22	Crystal melting and glass formation in copper thiocyanate based coordination polymers. <i>Chemical Communications</i> , 2019, 55, 5455-5458.	2.2	57
23	Impressive Proton Conductivities of Two Highly Stable Metal-Organic Frameworks Constructed by Substituted Imidazoledicarboxylates. <i>Inorganic Chemistry</i> , 2019, 58, 5173-5182.	1.9	60
24	Templated growth of vertically aligned 2D metal-organic framework nanosheets. <i>Journal of Materials Chemistry A</i> , 2019, 7, 5811-5818.	5.2	40
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27	Mechanical Properties and Processing Techniques of Bulk Metal-Organic Framework Glasses. <i>Journal of the American Chemical Society</i> , 2019, 141, 1027-1034.	6.6	93
28	Structural, electronic, and dielectric properties of a large random network model of amorphous zeolitic imidazolate frameworks and its analogues. <i>Journal of the American Ceramic Society</i> , 2019, 102, 4602-4611.	1.9	13
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35	Relating structural disorder and melting in complex mixed ligand zeolitic imidazolate framework glasses. <i>Dalton Transactions</i> , 2020, 49, 850-857.	1.6	25
36	Ultrafast Melting of Metal-Organic Frameworks for Advanced Nanophotonics. <i>Advanced Functional Materials</i> , 2020, 30, 1908292.	7.8	31

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37	Amorphous Metal-Organic Framework-Dominated Nanocomposites with Both Compositional and Structural Heterogeneity for Oxygen Evolution. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3630-3637.	7.2	143
38	Amorphous Metal-Organic Framework-Dominated Nanocomposites with Both Compositional and Structural Heterogeneity for Oxygen Evolution. <i>Angewandte Chemie</i> , 2020, 132, 3659-3666.	1.6	21
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