Daiki Umeyama

List of Publications by Year in Descending Order

23 papers	2,367 citations	19 h-index	24 g-index
24 ext. papers	2,655 ext. citations	11.5 avg, IF	5.13 L-index

#	Paper	IF	Citations
23	Dynamically Disordered Lattice in a Layered Pb-I-SCN Perovskite Thin Film Probed by Two-Dimensional Infrared Spectroscopy. *Journal of the American Chemical Society*, **2018**, 140, 9882-9890	16.4	35
22	Carving Out Pores in Redox-Active One-Dimensional Coordination Polymers. *Angewandte Chemie*, **2018**, 130, 14793-14796	3.6	2
21	Carving Out Pores in Redox-Active One-Dimensional Coordination Polymers. *Angewandte Chemie - International Edition*, **2018**, 57, 14585-14588	16.4	7
20	Chemical Approaches to Addressing the Instability and Toxicity of Lead-Halide Perovskite Absorbers. *Inorganic Chemistry*, **2017**, 56, 46-55	5.1	186
19	Encapsulating Mobile Proton Carriers into Structural Defects in Coordination Polymer Crystals: High Anhydrous Proton Conduction and Fuel Cell Application. *Journal of the American Chemical Society*, **2016**, 138, 8505-11	16.4	116
18	Glass Formation of a Coordination Polymer Crystal for Enhanced Proton Conductivity and Material Flexibility. *Angewandte Chemie - International Edition*, **2016**, 55, 5195-200	16.4	83
17	Red-to-Black Piezochromism in a Compressible PbI□SCN Layered Perovskite. *Chemistry of Materials*, **2016**, 28, 3241-3244	9.6	77
16	Glass formation via structural fragmentation of a 2D coordination network. *Chemical Communications*, **2015**, 51, 12728-31	5.8	25
15	Synthesis of chiral porous coordination polymer that shows structural transformation induced by guest molecules. *Inorganica Chimica Acta*, **2015**, 424, 221-225	2.7	3
14	Reversible solid-to-liquid phase transition of coordination polymer crystals. *Journal of the American Chemical Society*, **2015**, 137, 864-70	16.4	124
13	Template-directed proton conduction pathways in a coordination framework. *Journal of Materials Chemistry A*, **2014**, 2, 10404-10409	13	35
12	Pressure-induced amorphization of a dense coordination polymer and its impact on proton conductivity. *APL Materials*, **2014**, 2, 124401	5.7	16
11	Order-to-disorder structural transformation of a coordination polymer and its influence on proton conduction. *Chemical Communications*, **2014**, 50, 10241-3	5.8	69
10	Synthesis and porous properties of chromium azolate porous coordination polymers. *Inorganic Chemistry*, **2014**, 53, 9870-5	5.1	21
9	Fe2+-based layered porous coordination polymers and soft encapsulation of guests via redox activity. *Journal of Materials Chemistry A*, **2013**, 1, 3675	13	29
8	Postsynthesis modification of a porous coordination polymer by LiCl To enhance H+ transport. *Journal of the American Chemical Society*, **2013**, 135, 4612-5	16.4	67
7	Ion conductivity and transport by porous coordination polymers and metal-organic frameworks. *Accounts of Chemical Research*, **2013**, 46, 2376-84	24.3	644

6	Integration of intrinsic proton conduction and guest-accessible nanospace into a coordination polymer. *Journal of the American Chemical Society*, **2013**, 135, 11345-50	16.4	99
5	Dense coordination network capable of selective CO2 capture from C1 and C2 hydrocarbons. *Journal of the American Chemical Society*, **2012**, 134, 9852-5	16.4	76
4	Investigation of post-grafted groups of a porous coordination polymer and its proton conduction behavior. *Dalton Transactions*, **2012**, 41, 13261-3	4.3	28
3	Inherent proton conduction in a 2D coordination framework. *Journal of the American Chemical Society*, **2012**, 134, 12780-5	16.4	216
2	Coordination-network-based ionic plastic crystal for anhydrous proton conductivity. *Journal of the American Chemical Society*, **2012**, 134, 7612-5	16.4	198
1	Confinement of mobile histamine in coordination nanochannels for fast proton transfer. *Angewandte Chemie - International Edition*, **2011**, 50, 11706-9	16.4	211