

# Daiki Umeyama

## 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.

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 | Ion conductivity and transport by porous coordination polymers and metal-organic frameworks. <i>Accounts of Chemical Research</i> , <b>2013</b> , 46, 2376-84   | 24.3 | 644       |
| 22 | Inherent proton conduction in a 2D coordination framework. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 12780-5   | 16.4 | 216       |
| 21 | Confinement of mobile histamine in coordination nanochannels for fast proton transfer. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 11706-9   | 16.4 | 211       |
| 20 | Coordination-network-based ionic plastic crystal for anhydrous proton conductivity. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 7612-5   | 16.4 | 198       |
| 19 | Chemical Approaches to Addressing the Instability and Toxicity of Lead-Halide Perovskite Absorbers. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 46-55  | 5.1  | 186       |
| 18 | Reversible solid-to-liquid phase transition of coordination polymer crystals. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 864-70   | 16.4 | 124       |
| 17 | Encapsulating Mobile Proton Carriers into Structural Defects in Coordination Polymer Crystals: High Anhydrous Proton Conduction and Fuel Cell Application. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 8505-11 | 16.4 | 116       |
| 16 | Integration of intrinsic proton conduction and guest-accessible nanospace into a coordination polymer. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 11345-50  | 16.4 | 99        |
| 15 | Glass Formation of a Coordination Polymer Crystal for Enhanced Proton Conductivity and Material Flexibility. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 5195-200  | 16.4 | 83        |
| 14 | Red-to-Black Piezochromism in a Compressible Pb <sub>2</sub> IBrCN Layered Perovskite. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 3241-3244  | 9.6  | 77        |
| 13 | Dense coordination network capable of selective CO <sub>2</sub> capture from C1 and C2 hydrocarbons. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 9852-5  | 16.4 | 76        |
| 12 | Order-to-disorder structural transformation of a coordination polymer and its influence on proton conduction. <i>Chemical Communications</i> , <b>2014</b> , 50, 10241-3  | 5.8  | 69        |
| 11 | Postsynthesis modification of a porous coordination polymer by LiCl To enhance H <sup>+</sup> transport. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 4612-5  | 16.4 | 67        |
| 10 | Dynamically Disordered Lattice in a Layered Pb-I-SCN Perovskite Thin Film Probed by Two-Dimensional Infrared Spectroscopy. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 9882-9890                               | 16.4 | 35        |
| 9  | Template-directed proton conduction pathways in a coordination framework. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 10404-10409  | 13   | 35        |
| 8  | Fe <sup>2+</sup> -based layered porous coordination polymers and soft encapsulation of guests via redox activity. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 3675   | 13   | 29        |
| 7  | Investigation of post-grafted groups of a porous coordination polymer and its proton conduction behavior. <i>Dalton Transactions</i> , <b>2012</b> , 41, 13261-3  | 4.3  | 28        |

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|---|--|------|----|
| 6 | Glass formation via structural fragmentation of a 2D coordination network. <i>Chemical Communications</i> , <b>2015</b> , 51, 12728-31                                       | 5.8  | 25 |
| 5 | Synthesis and porous properties of chromium azolate porous coordination polymers. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 9870-5                                      | 5.1  | 21 |
| 4 | Pressure-induced amorphization of a dense coordination polymer and its impact on proton conductivity. <i>APL Materials</i> , <b>2014</b> , 2, 124401                         | 5.7  | 16 |
| 3 | Carving Out Pores in Redox-Active One-Dimensional Coordination Polymers. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 14585-14588                    | 16.4 | 7  |
| 2 | Synthesis of chiral porous coordination polymer that shows structural transformation induced by guest molecules. <i>Inorganica Chimica Acta</i> , <b>2015</b> , 424, 221-225 | 2.7  | 3  |
| 1 | Carving Out Pores in Redox-Active One-Dimensional Coordination Polymers. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 14793-14796   | 3.6  | 2  |