

Proton Transport in Metal-Organic Frameworks

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Characterization of Proton Dynamics for the Understanding of Conduction Mechanism in Proton Conductive Metal-Organic Frameworks. <i>Chemical Record</i> , 2020, 20, 1297-1313.	2.9	53
2	From Molecules to Porous Materials: Integrating Discrete Electrocatalytic Active Sites into Extended Frameworks. <i>ACS Central Science</i> , 2020, 6, 1671-1684.	5.3	26
3	Proton conducting behavior of a microporous metal-organic framework assisted by ligand isomerization. <i>Journal of Solid State Chemistry</i> , 2020, 290, 121570.	1.4	6
4	Perfluoroalkyl-Functionalized Covalent Organic Frameworks with Superhydrophobicity for Anhydrous Proton Conduction. <i>Journal of the American Chemical Society</i> , 2020, 142, 14357-14364.	6.6	167
5	Superionic conduction in a zirconium-formate molecular solid. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17951-17955.	5.2	2
6	Influence of Thermal and Mechanical Stimuli on the Behavior of Al-CAU-13 Metal-Organic Framework. <i>Nanomaterials</i> , 2020, 10, 1698.	1.9	3
7	Advances and challenges for experiment and theory for multi-electron multi-proton transfer at electrified solid-liquid interfaces. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 19401-19442.	1.3	38
8	Metal phosphonates incorporating metalloligands: assembly, structures and properties. <i>Chemical Communications</i> , 2020, 56, 12090-12108.	2.2	36
9	A 2D Mg(II)-MOF with High Density of Coordinated Waters as Sole Intrinsic Proton Sources for Ultrahigh Superprotonic Conduction. , 2020, 2, 1343-1350.		37
10	Proton conduction studies on four porous and nonporous coordination polymers with different acidities and water uptake. <i>CrystEngComm</i> , 2020, 22, 6935-6946.	1.3	13
11	Recent Progress in the Development of Composite Membranes Based on Polybenzimidazole for High Temperature Proton Exchange Membrane (PEM) Fuel Cell Applications. <i>Polymers</i> , 2020, 12, 1861.	2.0	84
12	A robust and multifunctional calcium coordination polymer as a selective fluorescent sensor for acetone and iron (+3) and as a tunable proton conductor. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16784-16789.	2.7	18
13	A New Multifunctional Zinc-Organic Framework with Rare Interpenetrated Tripillared Bilayers as a Luminescent Probe for Detecting Ni ²⁺ and PO ₄ ³⁻ in Water. <i>Crystal Growth and Design</i> , 2020, 20, 5120-5128.	1.4	35
14	Porphyrinylphosphonate-Based Metal-Organic Framework: Tuning Proton Conductivity by Ligand Design. <i>Chemistry - A European Journal</i> , 2021, 27, 1598-1602.	1.7	16
15	Synthesis, structure and fluorescent sensing for nitrobenzene of a Zn-based MOF. <i>Journal of Molecular Structure</i> , 2021, 1223, 129217.	1.8	26
16	Electrically conductive 1D coordination polymers: design strategies and controlling factors. <i>Dalton Transactions</i> , 2021, 50, 29-38.	1.6	33
17	Applications of reticular diversity in metal-organic frameworks: An ever-evolving state of the art. <i>Coordination Chemistry Reviews</i> , 2021, 430, 213655.	9.5	56
18	An ultra-stable hafnium phosphonate MOF platform for comparing the proton conductivity of various guest molecules/ions. <i>Chemical Communications</i> , 2021, 57, 1238-1241.	2.2	24

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20	Structure-function Relationships of Porous Ionic Crystals (PICs) Based on Polyoxometalate Anions and Oxo-centered Trinuclear Metal Carboxylates as Counter Cations. <i>Chemistry Letters</i> , 2021, 50, 21-30.	0.7	20
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22	Proton conductivities of four low dimensional MOFs: affected by the amount of chelated ligands. <i>CrystEngComm</i> , 2021, 23, 5106-5115.	1.3	3
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24	Polyoxometalate-based metal-organic frameworks for heterogeneous catalysis. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 1865-1899.	3.0	90
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