

# Dae-Woon Lim

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

5,661  
citations

331538

21  
h-index

454834

30  
g-index

40  
all docs

40  
docs citations

40  
times ranked

6866  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reversible ammonia uptake at room temperature in a robust and tunable metal-organic framework. RSC Advances, 2022, 12, 7605-7611.	1.7	2
2	Discovery of Zr-based metal-organic polygon: Unveiling new design opportunities in reticular chemistry. Nano Research, 2021, 14, 392-397.	5.8	9
3	Hydrogen separation and purification with MOF-based materials. Materials Chemistry Frontiers, 2021, 5, 4022-4041.	3.2	23
4	Rational strategies for proton-conductive metal-organic frameworks. Chemical Society Reviews, 2021, 50, 6349-6368.	18.7	174
5	Anhydrous Superprotonic Conductivity of a Uranyl-Based MOF from Ambient Temperature to 110 Å°C. , 2021, 3, 744-751.		27
6	Innentitelbild: Void Space versus Surface Functionalization for Proton Conduction in Metal-Organic Frameworks (Angew. Chem. 37/2021). Angewandte Chemie, 2021, 133, 20226-20226.	1.6	0
7	Void Space versus Surface Functionalization for Proton Conduction in Metal-Organic Frameworks. Angewandte Chemie - International Edition, 2021, 60, 20173-20177.	7.2	32
8	Void Space versus Surface Functionalization for Proton Conduction in Metal-Organic Frameworks. Angewandte Chemie, 2021, 133, 20335-20339.	1.6	2
9	A Phosphate-Based Silver-Bipyridine 1D Coordination Polymer with Crystallized Phosphoric Acid as Superprotonic Conductor. Chemistry - A European Journal, 2020, 26, 4607-4612.	1.7	24
10	Characterization of Proton Dynamics for the Understanding of Conduction Mechanism in Proton Conductive Metal-Organic Frameworks. Chemical Record, 2020, 20, 1297-1313.	2.9	53
11	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
12	Proton Transport in Metal-Organic Frameworks. Chemical Reviews, 2020, 120, 8416-8467.	23.0	382
13	Superprotonic Conductivity in Metal-Organic Framework via Solvent-Free Coordinative Urea Insertion. Journal of the American Chemical Society, 2020, 142, 6861-6865.	6.6	65
14	Reversible resistance switching by excess hydrogen doping in rutile TiO <sub>2</sub> . Applied Physics Express, 2020, 13, 105502.	1.1	2
15	Proton transfer in hydrogen-bonded degenerate systems of water and ammonia in metal-organic frameworks. Chemical Science, 2019, 10, 16-33.	3.7	224
16	Superionic Conduction over a Wide Temperature Range in a Metal-Organic Framework Impregnated with Ionic Liquids. Angewandte Chemie - International Edition, 2019, 58, 10909-10913.	7.2	76
17	Superionic Conduction over a Wide Temperature Range in a Metal-Organic Framework Impregnated with Ionic Liquids. Angewandte Chemie, 2019, 131, 11025-11029.	1.6	7
18	MOP Å— MOF: Collaborative Combination of Metal-Organic Polyhedra and Metal-Organic Framework for Proton Conductivity. ACS Applied Materials & Interfaces, 2019, 11, 12639-12646.	4.0	45

#	ARTICLE	IF	CITATIONS
19	Functionality in metal-organic framework minerals: proton conductivity, stability and potential for polymorphism. <i>Chemical Science</i> , 2019, 10, 4923-4929.	3.7	32
20	Ultrafast fabrication of thermally stable protein-coated silver iodide nanoparticles for solid-state superionic conductors. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 176, 47-54.	2.5	5
21	Holding Open Micropores with Water: Hydrogen-Bonded Networks Supported by Hexa-aquachromium(III) Cations. <i>CheM</i> , 2018, 4, 868-878.	5.8	16
22	Ammonia for Proton Conducting Medium in Metal-Organic Frameworks. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	0
23	Modeling adsorption properties of structurally deformed metal-organic frameworks using structure-property map. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 7923-7928.	3.3	22
24	An unprecedented single platform via cross-linking of zeolite and MOFs. <i>Chemical Communications</i> , 2016, 52, 6773-6776.	2.2	21
25	Formation of Frustrated Lewis Pairs in Pt-Loaded Zeolite...NaY. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13080-13084.	7.2	32
26	Hydrogen Storage in a Potassium-Bound Metal-Organic Framework Incorporating Crown Ether Struts as Specific Cation Binding Sites. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7819-7822.	7.2	91
27	Fabrication of metal nanoparticles in metal-organic frameworks. <i>Chemical Society Reviews</i> , 2013, 42, 1807-1824.	18.7	596
28	InnenrÄ¼cktitelbild: Magnesium Nanocrystals Embedded in a Metal-Organic Framework: Hybrid Hydrogen Storage with Synergistic Effect on Physi- and Chemisorption ( <i>Angew. Chem.</i> 39/2012). <i>Angewandte Chemie</i> , 2012, 124, 10081-10081.	1.6	0
29	Magnesium Nanocrystals Embedded in a Metal-Organic Framework: Hybrid Hydrogen Storage with Synergistic Effect on Physi- and Chemisorption. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9814-9817.	7.2	141
30	Hydrogen Storage in Metal-Organic Frameworks. <i>Chemical Reviews</i> , 2012, 112, 782-835.	23.0	3,283
31	A Highly Porous Metal-Organic Framework: Structural Transformations of a Guest-Free MOF Depending on Activation Method and Temperature. <i>Chemistry - A European Journal</i> , 2011, 17, 7251-7260.	1.7	145