

# Mohana Shivanna

## List of Publications by Citations

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17  
papers

478  
citations

10  
h-index

21  
g-index

25  
ext. papers

667  
ext. citations

9.5  
avg, IF

3.68  
L-index

#	Paper	IF	Citations
17	Reversible Switching between Highly Porous and Nonporous Phases of an Interpenetrated Diamondoid Coordination Network That Exhibits Gate-Opening at Methane Storage Pressures. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 5684-5689	16.4	108
16	Highly Selective Separation of CH <sub>4</sub> from CO <sub>2</sub> by a New Dichromate-Based Hybrid Ultramicroporous Material. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 33395-33400	9.5	81
15	A dynamic and multi-responsive porous flexible metal-organic material. <i>Nature Communications</i> , <b>2018</b> , 9, 3080	17.4	62
14	Readily accessible shape-memory effect in a porous interpenetrated coordination network. <i>Science Advances</i> , <b>2018</b> , 4, eaaq1636	14.3	42
13	Coordination Network That Reversibly Switches between Two Nonporous Polymorphs and a High Surface Area Porous Phase. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 15572-15576	16.4	38
12	Host-Guest Interaction Modulation in Porous Coordination Polymers for Inverse Selective CO <sub>2</sub> /CH <sub>4</sub> Separation. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 11688-11694	16.4	35
11	Tuning the Gate-Opening Pressure in a Switching pcu Coordination Network, X-pcu-5-Zn, by Pillar-Ligand Substitution. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 18212-18217	16.4	24
10	Recyclable switching between nonporous and porous phases of a square lattice (sql) topology coordination network. <i>Chemical Communications</i> , <b>2018</b> , 54, 7042-7045	5.8	24
9	Reversible Switching between Highly Porous and Nonporous Phases of an Interpenetrated Diamondoid Coordination Network That Exhibits Gate-Opening at Methane Storage Pressures. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 5786-5791	3.6	17
8	Host-Guest Interaction Modulation in Porous Coordination Polymers for Inverse Selective CO <sub>2</sub> /C <sub>2</sub> H <sub>2</sub> Separation. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 11794-11800	3.6	10
7	Benchmark Acetylene Binding Affinity and Separation through Induced Fit in a Flexible Hybrid Ultramicroporous Material. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 20383-20390	16.4	9
6	Enhanced Stability toward Humidity in a Family of Hybrid Ultramicroporous Materials Incorporating Cr <sub>2</sub> O <sub>7</sub> <sup>2-</sup> Pillars. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 1933-1937	3.5	8
5	A square lattice topology coordination network that exhibits highly selective C <sub>2</sub> H <sub>2</sub> /CO <sub>2</sub> separation performance. <i>SmartMat</i> , <b>2020</b> , 1, e1008	22.8	5
4	Tuning the Gate-Opening Pressure in a Switching pcu Coordination Network, X-pcu-5-Zn, by Pillar-Ligand Substitution. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 18380-18385	3.6	5
3	Control of local flexibility towards p-xylene sieving in Hofmann-type porous coordination polymers. <i>Chemical Communications</i> , <b>2020</b> , 56, 9632-9635	5.8	4
2	Reversed C <sub>2</sub> H <sub>6</sub> /C <sub>2</sub> H <sub>4</sub> separation in interpenetrated diamondoid coordination networks with enhanced host-guest interaction. <i>Separation and Purification Technology</i> , <b>2021</b> , 276, 119385	8.3	3
1	Benchmark Acetylene Binding Affinity and Separation through Induced Fit in a Flexible Hybrid Ultramicroporous Material. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 20546-20553	3.6	2

