Mohana Shivanna

List of Publications by Year in Descending Order

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	Host□Guest Interaction Modulation in Porous Coordination Polymers for Inverse Selective CO2/C2H2 Separation. *Angewandte Chemie*, **2021**, 133, 11794-11800	3.6	10
16	Host-Guest Interaction Modulation in Porous Coordination Polymers for Inverse Selective CO /C H Separation. *Angewandte Chemie - International Edition*, **2021**, 60, 11688-11694	16.4	35
15	Benchmark Acetylene Binding Affinity and Separation through Induced Fit in a Flexible Hybrid Ultramicroporous Material. *Angewandte Chemie*, **2021**, 133, 20546-20553	3.6	2
14	Benchmark Acetylene Binding Affinity and Separation through Induced Fit in a Flexible Hybrid Ultramicroporous Material. *Angewandte Chemie - International Edition*, **2021**, 60, 20383-20390	16.4	9
13	Reversed C2H6/C2H4 separation in interpenetrated diamondoid coordination networks with enhanced host□guest interaction. *Separation and Purification Technology*, **2021**, 276, 119385	8.3	3
12	A square lattice topology coordination network that exhibits highly selective C2H2/CO2 separation performance. *SmartMat*, **2020**, 1, e1008	22.8	5
11	Control of local flexibility towards p-xylene sieving in Hofmann-type porous coordination polymers. *Chemical Communications*, **2020**, 56, 9632-9635	5.8	4
10	Tuning the Gate-Opening Pressure in a Switching pcu Coordination Network, X-pcu-5-Zn, by Pillar-Ligand Substitution. *Angewandte Chemie - International Edition*, **2019**, 58, 18212-18217	16.4	24
9	Tuning the Gate-Opening Pressure in a Switching pcu Coordination Network, X-pcu-5-Zn, by Pillar-Ligand Substitution. *Angewandte Chemie*, **2019**, 131, 18380-18385	3.6	5
8	Reversible Switching between Highly Porous and Nonporous Phases of an Interpenetrated Diamondoid Coordination Network That Exhibits Gate-Opening at Methane Storage Pressures. *Angewandte Chemie - International Edition*, **2018**, 57, 5684-5689	16.4	108
7	Reversible Switching between Highly Porous and Nonporous Phases of an Interpenetrated Diamondoid Coordination Network That Exhibits Gate-Opening at Methane Storage Pressures. *Angewandte Chemie*, **2018**, 130, 5786-5791	3.6	17
6	Readily accessible shape-memory effect in a porous interpenetrated coordination network. *Science Advances*, **2018**, 4, eaaq1636	14.3	42
5	A dynamic and multi-responsive porous flexible metal-organic material. *Nature Communications*, **2018**, 9, 3080	17.4	62
4	Coordination Network That Reversibly Switches between Two Nonporous Polymorphs and a High Surface Area Porous Phase. *Journal of the American Chemical Society*, **2018**, 140, 15572-15576	16.4	38
3	Recyclable switching between nonporous and porous phases of a square lattice (sql) topology coordination network. *Chemical Communications*, **2018**, 54, 7042-7045	5.8	24
2	Highly Selective Separation of CH from CO by a New Dichromate-Based Hybrid Ultramicroporous Material. *ACS Applied Materials & Interfaces*, **2017**, 9, 33395-33400	9.5	81
1	Enhanced Stability toward Humidity in a Family of Hybrid Ultramicroporous Materials Incorporating Cr2O72□Pillars. *Crystal Growth and Design*, **2017**, 17, 1933-1937	3.5	8