

Shruti Mendiratta

List of Publications by Citations

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papers

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h-index

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g-index

34
ext. papers

851
ext. citations

6
avg, IF

4.39
L-index

#	Paper	IF	Citations
33	Semiconductor Metal-Organic Frameworks: Future Low-Bandgap Materials. <i>Advanced Materials</i> , 2017 , 29, 1605071	24	144
32	Integration of a (-Cu-S-) plane in a metal-organic framework affords high electrical conductivity. <i>Nature Communications</i> , 2019 , 10, 1721	17.4	85
31	Semiconductor Behavior of a Three-Dimensional Strontium-Based Metal-Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 22767-74	9.5	59
30	Metal-Organic Frameworks: New Interlayer Dielectric Materials. <i>ChemElectroChem</i> , 2015 , 2, 786-788	4.3	51
29	Anion-Controlled Dielectric Behavior of Homochiral Tryptophan-Based Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , 2014 , 14, 1572-1579	3.5	46
28	Metal-organic frameworks for electronics: emerging second order nonlinear optical and dielectric materials. <i>Science and Technology of Advanced Materials</i> , 2015 , 16, 054204	7.1	35
27	Expanding the dimensions of metal-organic framework research towards dielectrics. <i>Coordination Chemistry Reviews</i> , 2018 , 360, 77-91	23.2	33
26	Zn(II)-based metal-organic framework: an exceptionally thermally stable, guest-free low dielectric material. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 1508-1513	7.1	29
25	Continuous broadband emission from a metal-organic framework as a human-friendly white light source. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 4728-4732	7.1	27
24	Multidisciplinary Role of Mesoporous Silica Nanoparticles in Brain Regeneration and Cancers: From Crossing the Blood-Brain Barrier to Treatment. <i>Particle and Particle Systems Characterization</i> , 2019 , 36, 1900195	3.1	25
23	Guest dependent dielectric properties of nickel(II)-based supramolecular networks. <i>CrystEngComm</i> , 2014 , 16, 6309-6315	3.3	23
22	Structural characteristics and non-linear optical behaviour of a 2-hydroxynicotinate-containing zinc-based metal-organic framework. <i>Molecules</i> , 2015 , 20, 8941-51	4.8	18
21	Low Dielectric Behavior of a Robust, Guest-Free Magnesium(II)-Organic Framework: A Potential Application of an Alkaline-Earth Metal Compound. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 1669-1674	2.3	16
20	Amphiphilic-Polymer-Assisted Hot Water Flooding toward Viscous Oil Mobilization. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 16552-16564	3.9	13
19	Highly hydrophobic metal-organic framework for self-protecting gate dielectrics. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 11958-11965	13	11
18	High- β -Samarium-Based Metal-Organic Framework for Gate Dielectric Applications. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 21872-21878	9.5	10
17	A new Ni(II) coordination polymer formed by bulky bis(imidazole) and 4,4'-oxybis(benzoic acid): Topological and spectral elucidation. <i>Inorganica Chimica Acta</i> , 2018 , 469, 478-483	2.7	8

16	A rare doubly nitrato and phenoxido bridged trimetallic CuII complex: EPR, antiferromagnetic coupling and theoretical rationalization. <i>RSC Advances</i> , 2016 , 6, 54856-54865	3-7	8
15	Structural elucidation, EPR and photoluminescent property of a Ce(III) two dimensional coordination polymer with 4,4'-bipyridine and 2-sulfoterephthalate. <i>Journal of Molecular Structure</i> , 2017 , 1139, 390-394	3-4	6
14	Recent Advances in Functionalized Mesoporous Silica Frameworks for Efficient Desulfurization of Fuels. <i>Nanomaterials</i> , 2020 , 10,	5-4	6
13	Differentially Activated Amino Acid Coordination Polymers by Amino Acids. <i>Crystal Growth and Design</i> , 2018 , 18, 2672-2676	3-5	6
12	Structural elucidation, EPR and magnetic interpretation of lanthanide (Ln = La, Nd, Sm) compounds with 4,4'-bipyridine and 2-sulfoterephthalate. <i>Inorganica Chimica Acta</i> , 2016 , 453, 128-134	2-7	6
11	Dual Stimuli-Responsive Pickering Emulsions from Novel Magnetic Hydroxyapatite Nanoparticles and Their Characterization Using a Microfluidic Platform. <i>Langmuir</i> , 2021 , 37, 1353-1364	4	5
10	Paddlewheel SBU based Zn MOFs: Syntheses, Structural Diversity, and CO ₂ Adsorption Properties. <i>Polymers</i> , 2018 , 10,	4-5	5
9	Investigation of inverse emulsion assisted controlled release of polyacrylamides for enhanced oil recovery.. <i>RSC Advances</i> , 2019 , 9, 11968-11977	3-7	4
8	A new route to constructing rhenium(I)-based 8-hydroxyquinolate complexes: Synthesis, structures and luminescent properties. <i>Inorganica Chimica Acta</i> , 2018 , 477, 312-317	2-7	4
7	A New CuII Coordination Polymer: Structural Elucidation, EPR and Sensing Studies for Detection of Volatile Organic Solvents. <i>ChemistrySelect</i> , 2016 , 1, 2192-2198	1-8	4
6	Recent Advances in Bimetallic Cu-Based Nanocrystals for Electrocatalytic CO Conversion. <i>Chemistry - an Asian Journal</i> , 2021 , 16, 2168-2184	4-5	4
5	Phosphor-Free Electrically Driven White Light Emission from Nanometer-Thick Barium Organic Framework Films. <i>ACS Applied Nano Materials</i> , 2021 , 4, 2395-2403	5-6	3
4	Exceptional Low Dielectric Behavior of Chemically Robust, Guest-Free Co- and Mn-Based Coordination Polymers. <i>ChemElectroChem</i> , 2019 , 6, 623-626	4-3	3
3	Zn and Cd-Based Coordination Networks: Highly Selective Naked Eye Sensing of Pyridine. <i>ChemistrySelect</i> , 2017 , 2, 3831-3837	1-8	1
2	A New phenoxido/trifluoroacetato bridged heterometallic NiII ₂ CuII derivative: Structure, EPR interpretation and DFT computation. <i>Journal of Molecular Structure</i> , 2019 , 1175, 948-955	3-4	1
1	Bulky bis(imidazole) and 2-sulfoterephthalate Assisted 3-D Cu(II) and 2-D Mn(II) Coordination Polymers: Topology, Diversity in Metal Containing Nodes and Spectral Elucidation. <i>ChemistrySelect</i> , 2016 , 1, 6230-6237	1-8	1