

Kapil Tomar

List of Publications by Year in descending order

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papers

736
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687363

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1245
citing authors

#	ARTICLE	IF	CITATIONS
1	Stable Multiresponsive Luminescent MOF for Colorimetric Detection of Small Molecules in Selective and Reversible Manner. <i>Chemistry of Materials</i> , 2015, 27, 5349-5360.	6.7	227
2	An Amine Functionalized Metal-Organic Framework as an Effective Catalyst for Conversion of CO ₂ and Biginelli Reactions. <i>Inorganic Chemistry</i> , 2017, 56, 9765-9771.	4.0	56
3	From Zn(II)-Carboxylate to Double-Walled Zn(II)-Carboxylato Phosphate MOF: Change in the Framework Topology, Capture and Conversion of CO ₂ , and Catalysis of Strecker Reaction. <i>Inorganic Chemistry</i> , 2017, 56, 14605-14611.	4.0	48
4	Exploration of Structural Topologies in Metal-Organic Frameworks Based on 3-(4-Carboxyphenyl)propionic Acid, Their Synthesis, Sorption, and Luminescent Property Studies. <i>Crystal Growth and Design</i> , 2014, 14, 2022-2033.	3.0	46
5	Field-Induced Single-Ion-Magnetic Behavior of Octahedral Co ^{II} in a Two-Dimensional Coordination Polymer. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 3545-3552.	2.0	44
6	Synthesis and Characterization of Polyhedral-Based Metal-Organic Frameworks Using a Flexible Bipyrazole Ligand: Topological Analysis and Sorption Property Studies. <i>Crystal Growth and Design</i> , 2015, 15, 2732-2741.	3.0	41
7	Chiral Cadmium(II) Metal-Organic Framework from an Achiral Ligand by Spontaneous Resolution: An Efficient Heterogeneous Catalyst for the Strecker Reaction of Ketones. <i>Inorganic Chemistry</i> , 2017, 56, 13629-13633.	4.0	36
8	A porous two-dimensional Zn-coordination polymer exhibiting SC-SC transmetalation with Cu: efficient heterogeneous catalysis for the Henry reaction and detection of nitro explosives. <i>Dalton Transactions</i> , 2017, 46, 7619-7627.	3.3	31
9	Cd coordination polymers constructed with a flexible carboxylate linker and pyridyl co-linkers: variation in the network topologies and photoluminescence properties. <i>CrystEngComm</i> , 2017, 19, 2253-2263.	2.6	30
10	Nanosized Bipyrazole-Based Cryptand-Stabilized Palladium(0) Nanoparticles: A Reusable Heterogeneous Catalyst for the Suzuki-Miyaura Coupling Reaction in Water. <i>Inorganic Chemistry</i> , 2019, 58, 1003-1006.	4.0	26
11	Structural diversity of Zn based coordination polymers constructed from a flexible carboxylate linker and pyridyl co-linkers: fluorescence sensing of nitroaromatics. <i>New Journal of Chemistry</i> , 2017, 41, 14505-14515.	2.8	21
12	Tuning the Magnetoluminescence Behavior of Lanthanide Complexes Having Sphenocorona and Cubic Coordination Geometries. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 2774-2782.	2.0	19
13	A novel 2D porous Cd(II) MOF with a (4,4) connected binodal network: Synthesis and photoluminescence sensing of small molecules. <i>Inorganic Chemistry Communication</i> , 2016, 64, 16-18.	3.9	18
14	Exploiting Dimensional Variability in Cu Paddle-Wheel Secondary Building Unit Based Mixed Valence Cu(II)/Cu(I) Frameworks from a Bipyrazole Ligand by Solvent/pH Variation. <i>Crystal Growth and Design</i> , 2018, 18, 2397-2404.	3.0	13
15	Supramolecular assemblies of benzene-1,3,5-tricarboxylic acid and 3,5-substituted pyrazoles: formation and structural analysis. <i>CrystEngComm</i> , 2015, 17, 1421-1433.	2.6	12
16	Cost-Effective Realization of Multimode Exciton-Polaritons in Single-Crystalline Microplates of a Layered Metal-Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 7288-7295.	8.0	12
17	Assembly of a pcu topological porous Cd-trimesate framework with free carboxylic acid group: Sorption and luminescent property. <i>Inorganic Chemistry Communication</i> , 2013, 37, 132-137.	3.9	11
18	Change in synthetic strategy for MOF fabrication: from 2D non-porous to 3D porous architecture and its sorption and emission property studies. <i>New Journal of Chemistry</i> , 2016, 40, 1953-1956.	2.8	9

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19	From Zn(II) to Cu(II) framework via single-crystal to single-crystal metathesis with superior gas uptake and heterogeneous catalytic properties. <i>Inorganica Chimica Acta</i> , 2018, 482, 925-934.	2.4	8
20	Structural Diversity and Selective CO ₂ Adsorption of Metal-Organic Frameworks Built with a Flexible Dipyriddy Ligand and Different Carboxylates. <i>ChemistrySelect</i> , 2018, 3, 785-793.	1.5	7
21	Assembly of an eight connected porous Cd(II) framework with octahedral and cubo-octahedral cages: Sorption and luminescent properties. <i>Inorganic Chemistry Communication</i> , 2013, 37, 127-131.	3.9	4
22	Interconversion of host-guest components in supramolecular assemblies of polycarboxylic acids and reduced Schiff bases. <i>Structural Chemistry</i> , 2016, 27, 1027-1040.	2.0	4
23	Halocarbon Encapsulation via Halogen- π Interactions in a Bispyrazole-Based Cryptand. <i>Crystal Growth and Design</i> , 2019, 19, 369-375.	3.0	4
24	Assembly of an imidazole templated indium-oxalate porous 3D framework with tcj/hc topology: Synthesis, structure and sorption property. <i>Inorganic Chemistry Communication</i> , 2015, 54, 63-65.	3.9	2
25	Synthesis, crystal structure and hydrolytic activity of a trispyrazolyl borato cadmium hydroxo complex. <i>Inorganic Chemistry Communication</i> , 2015, 54, 31-33.	3.9	2
26	Construction of Supramolecular Assemblies from Substituted Pyrazoles and Pyromellitic Acid: Rational Analysis of the Synthons and Theoretical Studies. <i>Journal of Chemical Crystallography</i> , 2017, 47, 69-79.	1.1	2
27	Room temperature synthesis of an Fe(II)-based porous MOF with multiple open metal sites for high gas adsorption properties. <i>New Journal of Chemistry</i> , 2019, 43, 4338-4341.	2.8	2
28	Weak and Reversible Binding of Alkali Metal Ions (Na ⁺ /K ⁺) by an Aza-Oxa Cryptand. <i>ChemistrySelect</i> , 2019, 4, 1785-1788.	1.5	1