Sadhika Khullar

List of Publications by Year
in descending order

44	903	430874 18	477307 29
papers	citations	h-index	g-index

44	44	44	1010
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cocrystals of Hesperetin: Structural, Pharmacokinetic, and Pharmacodynamic Evaluation. Crystal Growth and Design, 2017, 17, 2386-2405.	3.0	75
2	(2S)-2-[(Phenylsulfinyl)methyl]pyrrolidine-Catalyzed Efficient Stereoselective Michael Addition of Cyclohexanone and Cyclopentanone to Nitroolefins. Synthesis, 2013, 45, 1406-1413.	2.3	62
3	A hydrogel based on dialdehyde carboxymethyl celluloseâ€“gelatin and its utilization as a bio adsorbent. Journal of Chemical Sciences, 2020, 132, 1.	1.5	44
4	Cocrystals of telmisartan: characterization, structure elucidation, in vivo and toxicity studies. CrystEngComm, 2014, 16, 8375-8389.	2.6	43
5	Study of a cross-linked hydrogel of KarayaÂgum and Starch as a controlled drug delivery system. Journal of Biomaterials Science, Polymer Edition, 2019, 30, 1687-1708.	3.5	43
6	Crystal Structures and Physicochemical Properties of Four New Lamotrigine Multicomponent Forms. Crystal Growth and Design, 2013, 13, 858-870.	3.0	42
7	Nitrogen-rich covalent organic frameworks: a promising class of sensory materials. Materials Advances, 2022, 3, 19-124.	5.4	39
8	Engineering a Nanoscale Primary Amide-Functionalized 2D Coordination Polymer as an Efficient and Recyclable Heterogeneous Catalyst for the Knoevenagel Condensation Reaction. ACS Applied Nano Materials, 2018, 1, 5226-5236.	5.0	37
9	Azine-Hydrazone Tautomerism of Guanylhydrazones: Evidence for the Preference Toward the Azine Tautomer. Journal of Organic Chemistry, 2016, 81, 7574-7583.	3.2	35
10	Supramolecular Assemblies of Dimanganese Subunits and Water Clusters Organized by Strong Hydrogen Bonding Interactions: Single Crystal to Single Crystal Transformation by Thermal De-/Rehydration Processes. Crystal Growth and Design, 2012, 12, 5329-5337.	3.0	33
11	Luminescent Lanthanide-Based Probes for the Detection of Nitroaromatic Compounds in Water. ACS Omega, 2019, 4, 5283-5292.	3.5	32
12	Fluorescent hydrogel of chitosan and gelatin crossâ€linked with maleic acid for optical detection of heavy metals. Journal of Applied Polymer Science, 2022, 139, 51941.	2.6	32
13	Effect of Spacer Atoms in the Dicarboxylate Linkers on the Formation of Coordination Architecturesâ€”Molecular Rectangles vs 1D Coordination Polymers: Synthesis, Crystal Structures, Vapor/Gas Adsorption Studies, and Magnetic Properties. Crystal Growth and Design, 2014, 14, 6433-6444.	3.0	31
14	Ciprofloxacin Hippurate Salt: Crystallization Tactics, Structural Aspects, and Biopharmaceutical Performance. Crystal Growth and Design, 2016, 16, 4960-4967.	3.0	27
15	Non-hydrothermal synthesis, structural characterization and thermochemistry of water soluble and neutral coordination polymers of Zn(<scp>ii</scp>) and Cd(<scp>ii</scp>): precursors for the submicron-sized crystalline ZnO/CdO. RSC Advances, 2014, 4, 39204-39213.	3.6	26
16	Malic acid cross-linked chitosan based hydrogel for highly effective removal of chromium (VI) ions from aqueous environment. Reactive and Functional Polymers, 2022, 177, 105318.	4.1	25
17	Structural Diversity of Mn(II) Complexes with Acetylene Dicarboxylate and Hexadentate Ancillary Ligands under Ambient Conditions: Effect of Methylene Chain Length on Coordination Architectures. Crystal Growth and Design, 2013, 13, 3116-3125.	3.0	24
18	Can Remote Nâ€Heterocyclic Carbenes Coordinate with Main Group Elements? Synthesis, Structure, and Quantum Chemical Analysis of N⁺â€Centered Complexes. Chemistry - A European Journal, 2018, 24, 6418-6425.	3.3	21

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19	Effecting structural diversity in a series of Co(<scp>ii</scp>)â€“organic frameworks by the interplay between rigidity of a dicarboxylate and flexibility of bis(tridentate) spanning ligands. Dalton Transactions, 2020, 49, 12298-12310.	3.3	20
20	Hierarchical importance of coordination and hydrogen bonds in the formation of homochiral 2D coordination polymers and 2D supramolecular assemblies. CrystEngComm, 2014, 16, 6730-6744.	2.6	17
21	New conformational polymorph of hydrochlorothiazide with improved solubility. Pharmaceutical Development and Technology, 2016, 21, 611-618.	2.4	17
22	1,3-Diazolyl functionalized organopropylsilatranes: Synthesis and structural characterization. Inorganica Chimica Acta, 2014, 413, 203-207.	2.4	16
23	Structural diversity of the encapsulated water clusters in the 3D supramolecular assemblies: a cyclic quasi-planar hexamer of water constructed through strong hydrogen bonding interactions. CrystEngComm, 2013, 15, 6652.	2.6	15
24	Solventâ€Driven Iodineâ€Mediated Oxidative Strategies for the Synthesis of Bis(imidazo[1,2â€a]pyridinâ€3â€yl)sulfanes and Disulfanes. Chemistry - an Asian Journal, 2017, 12, 3061-3068.	3.3	15
25	Tuning the formation of dicarboxylate linker-assisted supramolecular 1D chains and squares of Ni(<scp>ii</scp>) using coordination and hydrogen bonds. CrystEngComm, 2014, 16, 5705-5715.	2.6	14
26	Norneolignans from the roots of Clitoria ternatea L.. Tetrahedron Letters, 2016, 57, 1758-1762.	1.4	14
27	Ancillary ligand assisted self-assembly of coordination architectures of Mn(<scp>ii</scp>): the effect of the N-alkyl group on a tridentate ligand. Dalton Transactions, 2015, 44, 1203-1210.	3.3	12
28	Construction of a robust pillared-layer framework based on the rare paddlewheel subunit [MnII2(Î¼-O₂CR)₄L₂]: synthesis, crystal structure and magnetic properties. Dalton Transactions, 2015, 44, 16778-16784.	3.3	11
29	Selective mercury ion recognition using a methyl red (MR) based silatrane sensor. New Journal of Chemistry, 2018, 42, 6315-6321.	2.8	11
30	Design and Development of a Heterogeneous Catalyst for the Michael Addition of Malononitrile to 2-Enoylpyridines: Influence of the Primary Amide Decorated Framework on Catalytic Activity and Selectivity. Inorganic Chemistry, 2019, 58, 12547-12554.	4.0	11
31	A homochiral luminescent compound with four-fold symmetry as a potential chemosensor for nitroanilines. RSC Advances, 2014, 4, 47249-47253.	3.6	9
32	A Primary Amide-Functionalized Heterogeneous Catalyst for the Synthesis of Coumarin-3-carboxylic Acids via a Tandem Reaction. Inorganic Chemistry, 2020, 59, 11407-11416.	4.0	9
33	Modulation of hydrophilicity inside the cavity of molecular rectangles self-assembled under ambient conditions. Chemical Communications, 2020, 56, 7913-7916.	4.1	8
34	Construction of diverse supramolecular assemblies of dimetal subunits differing in coordinated water molecules via strong hydrogen bonding interactions: Synthesis, crystal structures and spectroscopic properties. Journal of Chemical Sciences, 2014, 126, 1515-1523.	1.5	6
35	Schiff bases of N-(2-aminoethyl)-3-aminopropyltrimethoxysilane and its silatranes: Synthesis and characterization. Journal of Chemical Sciences, 2015, 127, 679-685.	1.5	6
36	Steric Effect of a Capping Ligand on the Formation of Supramolecular Coordination Networks of Ni(II): Solid-State Entrapment of Cyclic Water Dimer. ACS Omega, 2020, 5, 21873-21882.	3.5	5

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37	Imidazolyl-substituted silatranes derived from triethanolamine and tris(isopropanol)amine: syntheses and structural characterization. Journal of Coordination Chemistry, 2015, 68, 875-894.	2.2	4
38	Deciphering supramolecular isomerization in coordination polymers: connected molecular squares vs. fused hexagons. Dalton Transactions, 2021, 50, 2221-2232.	3.3	4
39	Encapsulation of a Water Octamer Chain in a Chiral 2D Sheetlike Supramolecular Coordination Network Composed of Dinickelâ€“Dicarboxylate Subunits. ACS Omega, 2018, 3, 11062-11070.	3.5	3
40	Increased Photocatalytic Activity of Post Synthetically Modified Coordination Polymer Derived from Bisâ€pyridyldiamide. European Journal of Inorganic Chemistry, 2020, 2020, 3174-3186.	2.0	2
41	Design and Synthesis of Lead(II)-Based Electrocatalysts for Oxygen Evolution Reaction. Inorganic Chemistry, 2022, 61, 7579-7589.	4.0	2
42	A green synthesis of thieno[2,3-c]xanthen-6-ones through the tandem photochemical sigmatropic shift and cyclization. Green Chemistry Letters and Reviews, 2014, 7, 126-130.	4.7	1
43	Role of Anions in Assembling the Coordination Polymers of Bisâ€“pyridylâ€“alkanediamides. ChemistrySelect, 2016, 1, 6641-6648.	1.5	0
44	Room temperature synthesis of new isoreticular 2D metal-organic frameworks of Co(II) and Ni(II) comprised of dual semiflexible neutral and anionic linkers, and their conversion to metal oxide nanomaterials. Inorganica Chimica Acta, 2022, , 120966.	2.4	0