

Dhirendra K Rai

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Selective and Recyclable Congo Red Dye Adsorption by Spherical Fe ₃ O ₄ Nanoparticles Functionalized with 1,2,4,5-Benzenetetracarboxylic Acid. Scientific Reports, 2020, 10, 111.	3.3	100
2	Nitrogen-rich Cu-MOF decorated on reduced graphene oxide nanosheets for hybrid supercapacitor applications with enhanced cycling stability. Chemical Engineering Journal, 2022, 435, 135042.	12.7	64
3	A Three-Dimensional Cu(II)-MOF with Lewis acid–base dual functional sites for Chemical Fixation of CO ₂ via Cyclic Carbonate Synthesis. Journal of CO ₂ Utilization, 2020, 39, 101173.	6.8	46
4	One pot synthesis of maleimide and hydantoin by Fe(CO) ₅ catalyzed [2 + 2 + 1] co-cyclization of acetylene, isocyanate and CO. Dalton Transactions, 2012, 41, 5045.	3.3	40
5	Aminotetrazole-Functionalized SiO ₂ Coated MgO Nanoparticle Composites for Removal of Acid Fuchsin Dye and Detection of Heavy Metal Ions. ACS Applied Nano Materials, 2020, 3, 11203-11216.	5.0	39
6	Organometallic halogen bond acceptors: directionality, hybrid cocrystal precipitation, and blueshifted CO ligand vibrational band. CrystEngComm, 2018, 20, 2258-2266.	2.6	36
7	Safranin O-functionalized cuboid mesoporous silica material for fluorescent sensing and adsorption of permanganate. Journal of Materials Chemistry B, 2020, 8, 2238-2249.	5.8	30
8	A new hierarchically porous Cu-MOF composited with rGO as an efficient hybrid supercapacitor electrode material. Journal of Energy Storage, 2021, 43, 103301.	8.1	29
9	Energy framework approach to the supramolecular reactions: interplay of the secondary bonding interaction in Ph ₂ E ₂ (E = Se, Te)/i>p<-l-C ₆ F ₄ -l co-crystals. New Journal of Chemistry, 2019, 43, 7941-7949.	2.8	22
10	Synthesis of Novel Allene-Coordinated, Phosphido-Bridged Ru ₂ Pt Clusters Involving Enyne to Allene Transformation. Organometallics, 2014, 33, 3857-3866.	2.3	17
11	Environmentally benign melamine functionalized silica-coated iron oxide for selective CO ₂ capture and fixation into cyclic carbonate. Journal of CO ₂ Utilization, 2021, 49, 101575.	6.8	17
12	Synthesis, structure and redox property of first 1,2,3-triselenole. Journal of Organometallic Chemistry, 2012, 721-722, 144-147.	1.8	15
13	Structural and electrochemical aspects of tris(ferrocenyl/phenyl-ethynyl)phosphine ligated chalcogen bridged iron carbonyl clusters. RSC Advances, 2013, 3, 26025.	3.6	11
14	Acid-Driven Dimensionality Control of Cd(II) Complexes: From Discrete Double Open Cubane to One- and Three-Dimensional Networks. Crystal Growth and Design, 2014, 14, 4124-4137.	3.0	11
15	Varying coordination modes of amide ligand in group 12 Hg(ii) and Cd(ii) complexes: synthesis, crystal structure and nonlinear optical properties. Dalton Transactions, 2015, 44, 1933-1941.	3.3	8
16	Formation of 3,5-Dithio-cyclopentenyl Ligand on Fe ₂ (CO) ₆ Support from Photochemical Reaction of Internal Acetylenes with [Fe(CO) ₅] in Presence of CS ₂ . Journal of Cluster Science, 2015, 26, 157-167.	3.3	6
17	Modulation of Electronic Communication between Two Equivalent Ferrocenyl Groups Mediated Through Tricarbonylcyclobutadieneiron. European Journal of Inorganic Chemistry, 2019, 2019, 668-675.	2.0	4
18	Role of Sulfur in Influencing Contrasting Reactivity of Acetylene Bonds in 1-Ferrocenyl-4-phenyl-1,3-butadiyne in Cluster Forming Reaction. Journal of Cluster Science, 2012, 23, 615-625.	3.3	3