

# Dhirendra K Rai

## List of Publications by Year in descending order

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18  
papers

498  
citations

758635

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docs citations

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times ranked

516  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogen-rich Cu-MOF decorated on reduced graphene oxide nanosheets for hybrid supercapacitor applications with enhanced cycling stability. <i>Chemical Engineering Journal</i> , 2022, 435, 135042.	6.6	64
2	Environmentally benign melamine functionalized silica-coated iron oxide for selective CO <sub>2</sub> capture and fixation into cyclic carbonate. <i>Journal of CO<sub>2</sub> Utilization</i> , 2021, 49, 101575.	3.3	17
3	A new hierarchically porous Cu-MOF composited with rGO as an efficient hybrid supercapacitor electrode material. <i>Journal of Energy Storage</i> , 2021, 43, 103301.	3.9	29
4	Aminotetrazole-Functionalized SiO <sub>2</sub> Coated MgO Nanoparticle Composites for Removal of Acid Fuchsin Dye and Detection of Heavy Metal Ions. <i>ACS Applied Nano Materials</i> , 2020, 3, 11203-11216.	2.4	39
5	A Three-Dimensional Cu(II)-MOF with Lewis acid–base dual functional sites for Chemical Fixation of CO <sub>2</sub> via Cyclic Carbonate Synthesis. <i>Journal of CO<sub>2</sub> Utilization</i> , 2020, 39, 101173.	3.3	46
6	Selective and Recyclable Congo Red Dye Adsorption by Spherical Fe <sub>3</sub> O <sub>4</sub> Nanoparticles Functionalized with 1,2,4,5-Benzenetetracarboxylic Acid. <i>Scientific Reports</i> , 2020, 10, 111.	1.6	100
7	Safranin O-functionalized cuboid mesoporous silica material for fluorescent sensing and adsorption of permanganate. <i>Journal of Materials Chemistry B</i> , 2020, 8, 2238-2249.	2.9	30
8	Energy framework approach to the supramolecular reactions: interplay of the secondary bonding interaction in Ph <sub>2</sub> E <sub>2</sub> (E = Se, Te)–C <sub>6</sub> F <sub>4</sub> –I co-crystals. <i>New Journal of Chemistry</i> , 2019, 43, 7941-7949.	1.4	22
9	Modulation of Electronic Communication between Two Equivalent Ferrocenyl Groups Mediated Through Tricarbonylcyclobutadieneiron. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 668-675.	1.0	4
10	Organometallic halogen bond acceptors: directionality, hybrid cocrystal precipitation, and blueshifted CO ligand vibrational band. <i>CrystEngComm</i> , 2018, 20, 2258-2266.	1.3	36
11	Varying coordination modes of amide ligand in group 12 Hg(II) and Cd(II) complexes: synthesis, crystal structure and nonlinear optical properties. <i>Dalton Transactions</i> , 2015, 44, 1933-1941.	1.6	8
12	Formation of 3,5-Dithio-cyclopentenyl Ligand on Fe <sub>2</sub> (CO) <sub>6</sub> Support from Photochemical Reaction of Internal Acetylenes with [Fe(CO) <sub>5</sub> ] in Presence of CS <sub>2</sub> . <i>Journal of Cluster Science</i> , 2015, 26, 157-167.	1.7	6
13	Acid-Driven Dimensionality Control of Cd(II) Complexes: From Discrete Double Open Cubane to One- and Three-Dimensional Networks. <i>Crystal Growth and Design</i> , 2014, 14, 4124-4137.	1.4	11
14	Synthesis of Novel Allene-Coordinated, Phosphido-Bridged Ru <sub>2</sub> Pt Clusters Involving Ene to Allene Transformation. <i>Organometallics</i> , 2014, 33, 3857-3866.	1.1	17
15	Structural and electrochemical aspects of tris(ferrocenyl/phenyl-ethynyl)phosphine ligated chalcogen bridged iron carbonyl clusters. <i>RSC Advances</i> , 2013, 3, 26025.	1.7	11
16	One pot synthesis of maleimide and hydantoin by Fe(CO) <sub>5</sub> catalyzed [2 + 2 + 1] co-cyclization of acetylene, isocyanate and CO. <i>Dalton Transactions</i> , 2012, 41, 5045.	1.6	40
17	Synthesis, structure and redox property of first 1,2,3-triselenole. <i>Journal of Organometallic Chemistry</i> , 2012, 721-722, 144-147.	0.8	15
18	Role of Sulfur in Influencing Contrasting Reactivity of Acetylene Bonds in 1-Ferrocenyl-4-phenyl-1,3-butadiyne in Cluster Forming Reaction. <i>Journal of Cluster Science</i> , 2012, 23, 615-625.	1.7	3