

Amita Singh

List of Publications by Year in descending order

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48
papers

1,214
citations

430442

18
h-index

377514

34
g-index

49
all docs

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docs citations

49
times ranked

744
citing authors

#	ARTICLE	IF	CITATIONS
1	A new Zn(II)-based 3D metal-organic framework with uncommon sev topology and its photocatalytic properties for the degradation of organic dyes. <i>CrystEngComm</i> , 2019, 21, 4578-4585.	1.3	119
2	Luminescent sensing of nitroaromatics by crystalline porous materials. <i>CrystEngComm</i> , 2020, 22, 7736-7781.	1.3	97
3	Rational synthesis of a luminescent uncommon (3,4,6)-c connected Zn(II) MOF: a dual channel sensor for the detection of nitroaromatics and ferric ions. <i>Dalton Transactions</i> , 2018, 47, 9627-9633.	1.6	92
4	Metal organic frameworks as efficient adsorbents for drugs from wastewater. <i>Materials Today Communications</i> , 2022, 31, 103514.	0.9	85
5	Luminescent sensing and photocatalytic degradation properties of an uncommon (4,5,5)-connected 3D MOF based on 3,5-di(3,5-dicarboxylphenyl)benzoic acid. <i>CrystEngComm</i> , 2017, 19, 4368-4377.	1.3	82
6	A new Zn(II) metal-organic framework having 3D CdSO_4 topology as luminescent sensor and photocatalyst for degradation of organic dyes. <i>New Journal of Chemistry</i> , 2018, 42, 2767-2775.	1.4	79
7	An uncommon (5,5)-connected 3D metal organic material for selective and sensitive sensing of nitroaromatics and ferric ion: experimental studies and theoretical analysis. <i>CrystEngComm</i> , 2017, 19, 3519-3525.	1.3	78
8	Manganese complexes and manganese-based metal-organic frameworks as contrast agents in MRI and chemotherapeutics agents: Applications and prospects. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 213, 112432.	2.5	59
9	Fluorescence sensing of nitro-aromatics by Zn(II) and Cd(II) based coordination polymers having the 5-[bis(4-carboxybenzyl)-amino]isophthalic acid ligand. <i>New Journal of Chemistry</i> , 2017, 41, 3537-3542.	1.4	48
10	Photocatalytic degradation of organic dyes by a stable and biocompatible Zn(II) MOF having ferulic acid: Experimental findings and theoretical correlation. <i>Journal of Molecular Structure</i> , 2017, 1149, 352-356.	1.8	43
11	An uncommon 3D 3,3,4,8-c Cd(II) metal-organic framework for highly efficient luminescent sensing and organic dye adsorption: experimental and theoretical insight. <i>CrystEngComm</i> , 2017, 19, 7057-7067.	1.3	31
12	New 1D diorganotin(IV) dithiolate coordination polymers: crystallographic, computational, Hirshfeld surface and thermal analyses. <i>CrystEngComm</i> , 2020, 22, 2049-2059.	1.3	29
13	Luminescent sensing of Cu^{2+} , CrO_4^{2-} and photocatalytic degradation of methyl violet by Zn(II) metal-organic framework (MOF) having 5,5-(1H-2,3,5-triazole-1,4-diyl)diisophthalic acid ligand. <i>Journal of Molecular Structure</i> , 2017, 1148, 531-536.	1.8	24
14	Luminescent sensing and photocatalytic degradation in a new 3D Zn(II)-based highly luminescent metal-organic framework. <i>Journal of Molecular Structure</i> , 2019, 1179, 612-617.	1.8	24
15	A new mixed ligand based Cd(II) 2D coordination polymer with functional sites: Photoluminescence and photocatalytic properties. <i>Inorganica Chimica Acta</i> , 2019, 484, 291-296.	1.2	22
16	Ferrocenyl benzimidazole with carboxylic and nitro anchors as potential sensitizers in dye-sensitized solar cells. <i>New Journal of Chemistry</i> , 2017, 41, 7312-7321.	1.4	21
17	Fluorescence sensing and photocatalytic properties of a 2D stable and biocompatible Zn(II)-based polymer. <i>Journal of Molecular Structure</i> , 2018, 1158, 264-270.	1.8	20
18	Syntheses of nickel sulfides from 1,2-bis(diphenylphosphino)ethane nickel(II)dithiolates and their application in the oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 5985-5995.	3.8	18

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19	1,1- $\text{Bis}(\text{diphenylphosphino})\text{ferrocene}$ -appended nickel dithiolates as sensitizers in dye-sensitized solar cells. <i>New Journal of Chemistry</i> , 2018, 42, 9306-9316.	1.4	18
20	A 2D Cd(II)-MOF as a multifunctional luminescent sensor for nitroaromatics, iron(III) and chromate ions. <i>Journal of Coordination Chemistry</i> , 2017, 70, 1077-1088.	0.8	17
21	Structures and photocatalytic properties of two new Zn coordination polymers based on semi-rigid V-shaped multicarboxylate ligands. <i>RSC Advances</i> , 2020, 10, 18721-18727.	1.7	16
22	Supramolecular architecture of organotin(IV) N-methyl ferrocenyl N-ethanol dithiocarbamates: Crystallographic and computational studies. <i>Inorganica Chimica Acta</i> , 2018, 471, 234-243.	1.2	15
23	A 3D stable Mn(II) metal-organic framework based on a flexible tetracarboxylate precursor and its photocatalytic properties. <i>Inorganica Chimica Acta</i> , 2019, 492, 186-191.	1.2	14
24	Copper tertiary phosphine xanthate complexes as single source precursors for copper sulfide and their application in the OER. <i>New Journal of Chemistry</i> , 2018, 42, 18759-18764.	1.4	13
25	Ferrocenylethynyl-substituted oxadiazoles with phenolic and nitro anchors as sensitizers in dye sensitized solar cells. <i>New Journal of Chemistry</i> , 2019, 43, 4745-4756.	1.4	13
26	Efficient photocatalytic degradation of methyl violet with two metal-organic frameworks. <i>Journal of Coordination Chemistry</i> , 2017, 70, 3409-3421.	0.8	11
27	A polyhedral metal-organic framework based on rigid precursor for photocatalytic properties. <i>Inorganic Chemistry Communication</i> , 2018, 97, 109-112.	1.8	11
28	Structures and photocatalytic properties of two Mn(II)-based coordination polymers. <i>Inorganica Chimica Acta</i> , 2020, 499, 119189.	1.2	10
29	Effect of different aromatic groups on photovoltaic performance of 1,1-bis(diphenylphosphino)ferrocene functionalized Ni(II) dithiolates as sensitizers in dye sensitized solar cells. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6402.	1.7	9
30	A porous zinc(II) metal-organic framework exhibiting high sensing ability for ferric and nitroaromatics as well as photocatalytic degradation activities against organic dyes. <i>Journal of Coordination Chemistry</i> , 2017, 70, 3946-3958.	0.8	8
31	A new 3D Gd-based metal-organic framework with paddle-wheel unit: Structure and photocatalytic property. <i>Inorganic Chemistry Communication</i> , 2018, 95, 104-106.	1.8	8
32	1,3-Bis(4-carboxylatophenoxy)benzene and 3,5-bis(1-imidazolyl)pyridine derived Zn/Cd coordination polymers: synthesis, structure and photocatalytic properties. <i>CrystEngComm</i> , 2021, 23, 3981-3988.	1.3	8
33	Ferrocene decorated unusual mercury dithiocarbamate coordination polymers: crystallographic and computational studies. <i>CrystEngComm</i> , 2021, 23, 2414-2423.	1.3	8
34	Ni dithiolate anion composites with two-dimensional materials for electrochemical oxygen evolution reactions (OERs). <i>New Journal of Chemistry</i> , 2021, 45, 16264-16270.	1.4	7
35	Ferrocene Appended Asymmetric Sensitizers with Azine Spacers with phenolic/nitro anchors for Dye-Sensitized Solar Cells. <i>Journal of Molecular Structure</i> , 2022, 1249, 131630.	1.8	7
36	New di-n-butyltin-bis-(1-alkoxy-isoquinoline-4-nitrile thiolate): crystallographic and computational studies. <i>CrystEngComm</i> , 2022, 24, 4274-4282.	1.3	7

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37	Two new coordination polymers driven by polycarboxylate and N-donor spacers: Photocatalytic performance and theoretical analysis. <i>Inorganica Chimica Acta</i> , 2020, 508, 119647.	1.2	6
38	Molecular structure, supramolecular association and anion sensing by chlorodiorganotin(IV) methylferrocenyldithiocarbamates. <i>Journal of Molecular Structure</i> , 2017, 1145, 197-203.	1.8	5
39	Two Chemically Stable Cd(II) Polymers as Fluorescent Sensor and Photocatalyst for Aromatic Dyes. <i>Polymers</i> , 2018, 10, 274.	2.0	5
40	Tertiary phosphine-appended transition metal ferrocenyl dithiocarbamates: Syntheses, Hirshfeld surface, and electrochemical analyses. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5879.	1.7	5
41	Photocatalytic organic dye by two new coordination polymers with flexible dicarboxylate and different N-donor linkage. <i>Inorganica Chimica Acta</i> , 2021, 519, 120284.	1.2	5
42	New Cd(II) coordination polymers bearing Y-shaped tricarboxylate ligands as photocatalysts for dye degradation. <i>CrystEngComm</i> , 2021, 23, 6400-6408.	1.3	4
43	Ternary copper molybdenum sulfide (Cu ₂ MoS ₄) nanoparticles anchored on PANI/rGO as electrocatalysts for oxygen evolution reaction (OER). <i>Applied Organometallic Chemistry</i> , 2022, 36, .	1.7	4
44	Phase-controlled solvothermal syntheses and oxygen evolution reaction (OER) activity of nickel sulfide nanoparticles obtained from 1,2-bis(diphenylphosphino)ethane nickel(II) acetylacetonatedithiolate. <i>New Journal of Chemistry</i> , 2022, 46, 10246-10255.	1.4	4
45	Structures and photocatalytic performance of two d10 metal-based coordination polymers containing mixed building units. <i>Transition Metal Chemistry</i> , 2019, 44, 107-114.	0.7	3
46	Synthesis and photocatalytic properties of a new paddle-wheel Cu(II) complex: An integrated experimental and theoretical investigation. <i>Bulletin of the Chemical Society of Ethiopia</i> , 2019, 33, 285.	0.5	1
47	New mercury(II) halide complexes with neutral ferrocene functionalized thiazolidine-2-thiones: Crystallographic and computational analyses. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6299.	1.7	1
48	New lead(II) coordination polymer derived from second generation O-methylpyridylxanthate: Crystallographic and computational studies. <i>Inorganica Chimica Acta</i> , 2021, 514, 120032.	1.2	0