

# Amita Singh

## List of Publications by Year in descending order

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48  
papers

1,214  
citations

430874

18  
h-index

377865

34  
g-index

49  
all docs

49  
docs citations

49  
times ranked

744  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | A new Zn( $\text{II}$ )-based 3D metal-organic framework with uncommon $\text{sev}$ topology and its photocatalytic properties for the degradation of organic dyes. CrystEngComm, 2019, 21, 4578-4585.  | 2.6 | 119       |
| 2  | Luminescent sensing of nitroaromatics by crystalline porous materials. CrystEngComm, 2020, 22, 7736-7781.   | 2.6 | 97        |
| 3  | Rational synthesis of a luminescent uncommon (3,4,6)-c connected Zn( $\text{II}$ ) MOF: a dual channel sensor for the detection of nitroaromatics and ferric ions. Dalton Transactions, 2018, 47, 9627-9633.  | 3.3 | 92        |
| 4  | Metal organic frameworks as efficient adsorbents for drugs from wastewater. Materials Today Communications, 2022, 31, 103514.   | 1.9 | 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. CrystEngComm, 2017, 19, 4368-4377.   | 2.6 | 82        |
| 6  | A new Zn( $\text{II}$ ) metal-organic framework having 3D $\text{CdSO}_4$ topology as luminescent sensor and photocatalyst for degradation of organic dyes. New Journal of Chemistry, 2018, 42, 2767-2775.  | 2.8 | 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. CrystEngComm, 2017, 19, 3519-3525.   | 2.6 | 78        |
| 8  | Manganese complexes and manganese-based metal-organic frameworks as contrast agents in MRI and chemotherapeutics agents: Applications and prospects. Colloids and Surfaces B: Biointerfaces, 2022, 213, 112432.   | 5.0 | 59        |
| 9  | Fluorescence sensing of nitro-aromatics by Zn( $\text{II}$ ) and Cd( $\text{II}$ ) based coordination polymers having the 5-[bis(4-carboxybenzyl)-amino]isophthalic acid ligand. New Journal of Chemistry, 2017, 41, 3537-3542.   | 2.8 | 48        |
| 10 | Photocatalytic degradation of organic dyes by a stable and biocompatible Zn(II) MOF having ferulic acid: Experimental findings and theoretical correlation. Journal of Molecular Structure, 2017, 1149, 352-356.  | 3.6 | 43        |
| 11 | An uncommon 3D 3,3,4,8-c Cd( $\text{II}$ ) metal-organic framework for highly efficient luminescent sensing and organic dye adsorption: experimental and theoretical insight. CrystEngComm, 2017, 19, 7057-7067.  | 2.6 | 31        |
| 12 | New 1D diorganotin( $\text{IV}$ ) dithiolate coordination polymers: crystallographic, computational, Hirshfeld surface and thermal analyses. CrystEngComm, 2020, 22, 2049-2059.   | 2.6 | 29        |
| 13 | Luminescent sensing of $\text{Cu}^{2+}$ , $\text{CrO}_4^{2-}$ 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. Journal of Molecular Structure, 2017, 1148, 531-536. | 3.6 | 24        |
| 14 | Luminescent sensing and photocatalytic degradation in a new 3D Zn(II)-based highly luminescent metal-organic framework. Journal of Molecular Structure, 2019, 1179, 612-617.  | 3.6 | 24        |
| 15 | A new mixed ligand based Cd(II) 2D coordination polymer with functional sites: Photoluminescence and photocatalytic properties. Inorganica Chimica Acta, 2019, 484, 291-296.  | 2.4 | 22        |
| 16 | Ferrocenyl benzimidazole with carboxylic and nitro anchors as potential sensitizers in dye-sensitized solar cells. New Journal of Chemistry, 2017, 41, 7312-7321.   | 2.8 | 21        |
| 17 | Fluorescence sensing and photocatalytic properties of a 2D stable and biocompatible Zn(II)-based polymer. Journal of Molecular Structure, 2018, 1158, 264-270.  | 3.6 | 20        |
| 18 | Syntheses of nickel sulfides from 1,2-bis(diphenylphosphino)ethane nickel(II)dithiolates and their application in the oxygen evolution reaction. International Journal of Hydrogen Energy, 2018, 43, 5985-5995.   | 7.1 | 18        |

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|----|--|-----|-----------|
| 19 | 1,1'-Bis(diphenylphosphino)ferrocene-appended nickel(II) dithiolates as sensitizers in dye-sensitized solar cells. <i>New Journal of Chemistry</i> , 2018, 42, 9306-9316.  | 2.8 | 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.   | 2.2 | 17        |
| 21 | Structures and photocatalytic properties of two new Zn(II) coordination polymers based on semi-rigid V-shaped multicarboxylate ligands. <i>RSC Advances</i> , 2020, 10, 18721-18727.   | 3.6 | 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.  | 2.4 | 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.  | 2.4 | 14        |
| 24 | Copper(I) 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.  | 2.8 | 13        |
| 25 | Ferrocenylethenyl-substituted oxadiazoles with phenolic and nitro anchors as sensitizers in dye sensitized solar cells. <i>New Journal of Chemistry</i> , 2019, 43, 4745-4756.   | 2.8 | 13        |
| 26 | Efficient photocatalytic degradation of methyl violet with two metal-organic frameworks. <i>Journal of Coordination Chemistry</i> , 2017, 70, 3409-3421.   | 2.2 | 11        |
| 27 | A polyhedral metal-organic framework based on rigid precursor for photocatalytic properties. <i>Inorganic Chemistry Communication</i> , 2018, 97, 109-112.   | 3.9 | 11        |
| 28 | Structures and photocatalytic properties of two Mn(II)-based coordination polymers. <i>Inorganica Chimica Acta</i> , 2020, 499, 119189.  | 2.4 | 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. | 3.5 | 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.     | 2.2 | 8         |
| 31 | A new 3D Cd-based metal-organic framework with paddle-wheel unit: Structure and photocatalytic property. <i>Inorganic Chemistry Communication</i> , 2018, 95, 104-106.   | 3.9 | 8         |
| 32 | 1,3-Bis(4-carboxylatophenoxy)benzene and 3,5-bis(1-imidazolyl)pyridine derived Zn(II)/Cd(II) coordination polymers: synthesis, structure and photocatalytic properties. <i>CrystEngComm</i> , 2021, 23, 3981-3988.                                 | 2.6 | 8         |
| 33 | Ferrocene decorated unusual mercury(II) dithiocarbamate coordination polymers: crystallographic and computational studies. <i>CrystEngComm</i> , 2021, 23, 2414-2423.  | 2.6 | 8         |
| 34 | Ni(II) dithiolate anion composites with two-dimensional materials for electrochemical oxygen evolution reactions (OERs). <i>New Journal of Chemistry</i> , 2021, 45, 16264-16270.  | 2.8 | 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.   | 3.6 | 7         |
| 36 | New di-n-butyltin(IV)-bis-(1-alkoxy-isoquinoline-4-nitrile thiolate): crystallographic and computational studies. <i>CrystEngComm</i> , 2022, 24, 4274-4282.   | 2.6 | 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.  | 2.4 | 6         |
| 38 | Molecular structure, supramolecular association and anion sensing by chlorodiorganotin(IV) methylferrocenyldithiocarbamates. <i>Journal of Molecular Structure</i> , 2017, 1145, 197-203.  | 3.6 | 5         |
| 39 | Two Chemically Stable Cd(II) Polymers as Fluorescent Sensor and Photocatalyst for Aromatic Dyes. <i>Polymers</i> , 2018, 10, 274.  | 4.5 | 5         |
| 40 | Tertiary phosphine-appended transition metal ferrocenyl dithiocarbamates: Syntheses, Hirshfeld surface, and electrochemical analyses. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5879.   | 3.5 | 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.   | 2.4 | 5         |
| 42 | New Cd(II) coordination polymers bearing Y-shaped tricarboxylate ligands as photocatalysts for dye degradation. <i>CrystEngComm</i> , 2021, 23, 6400-6408.   | 2.6 | 4         |
| 43 | Ternary copper molybdenum sulfide (Cu <sub>2</sub> MoS <sub>4</sub> ) nanoparticles anchored on PANI/rGO as electrocatalysts for oxygen evolution reaction (OER). <i>Applied Organometallic Chemistry</i> , 2022, 36, .  | 3.5 | 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. | 2.8 | 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.   | 1.4 | 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.   | 1.1 | 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.   | 3.5 | 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.  | 2.4 | 0         |