

Abhinav Kumar

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190
papers

3,596
citations

31
h-index

50
g-index

206
ext. papers

4,648
ext. citations

3.6
avg, IF

6.06
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 190 | Hydrogen energy future with formic acid: a renewable chemical hydrogen storage system. <i>Catalysis Science and Technology</i> , 2016 , 6, 12-40 | 5.5 | 333 |
| 189 | Recent developments in luminescent coordination polymers: Designing strategies, sensing application and theoretical evidences. <i>Coordination Chemistry Reviews</i> , 2020 , 406, 213145 | 23.2 | 210 |
| 188 | Synthesis, structure and light-harvesting properties of some new transition-metal dithiocarbamates involving ferrocene. <i>Chemistry - A European Journal</i> , 2010 , 16, 4307-14 | 4.8 | 108 |
| 187 | Selective adsorption and removal of drug contaminants by using an extremely stable Cu(II)-based 3D metal-organic framework. <i>Chemosphere</i> , 2019 , 215, 524-531 | 8.4 | 81 |
| 186 | Recent advances in MOF-based nanoplatfoms generating reactive species for chemodynamic therapy. <i>Dalton Transactions</i> , 2020 , 49, 11045-11058 | 4.3 | 78 |
| 185 | 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 | 3.3 | 77 |
| 184 | Luminescent sensing from a new Zn(II) metal-organic framework. <i>RSC Advances</i> , 2016 , 6, 31161-31166 | 3.7 | 68 |
| 183 | Luminescent sensing of nitroaromatics by crystalline porous materials. <i>CrystEngComm</i> , 2020 , 22, 7736-7781 | 3.8 | 67 |
| 182 | Metal-organic framework MIL-101 supported bimetallic Pd/Cu nanocrystals as efficient catalysts for chromium reduction and conversion of carbon dioxide at room temperature. <i>New Journal of Chemistry</i> , 2016 , 40, 3109-3118 | 3.6 | 64 |
| 181 | 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 | 4.3 | 62 |
| 180 | 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 | 3.3 | 62 |
| 179 | Multicomponent isorecticular metal-organic frameworks: Principles, current status and challenges. <i>Coordination Chemistry Reviews</i> , 2021 , 445, 214074 | 23.2 | 61 |
| 178 | A new Zn(II) metal-organic framework having 3D CdSO4 topology as luminescent sensor and photocatalyst for degradation of organic dyes. <i>New Journal of Chemistry</i> , 2018 , 42, 2767-2775 | 3.6 | 60 |
| 177 | A Luminescent Zinc(II) Metal-Organic Framework for Selective Detection of Nitroaromatics, Fe and CrO : A Versatile Threefold Fluorescent Sensor. <i>ChemPlusChem</i> , 2016 , 81, 885-892 | 2.8 | 59 |
| 176 | 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 | 3.3 | 59 |
| 175 | Efficient phenylmercury(II) methylferrocenyldithiocarbamate functionalized dye-sensitized solar cells. <i>Dalton Transactions</i> , 2010 , 39, 9779-88 | 4.3 | 58 |
| 174 | Two lanthanide-based metal-organic frameworks for highly efficient adsorption and removal of fluoride ions from water. <i>CrystEngComm</i> , 2017 , 19, 2172-2177 | 3.3 | 50 |

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| 173 | A 3D luminescent Zn(II) MOF for the detection of high explosives and the degradation of organic dyes: an experimental and computational study. <i>CrystEngComm</i> , 2017 , 19, 6464-6472 | 3.3 | 49 |
| 172 | Photocatalytic and Ferric Ion Sensing Properties of a New Three-Dimensional Metal-Organic Framework Based on Cuboctahedral Secondary Building Units. <i>ACS Omega</i> , 2019 , 4, 10775-10783 | 3.9 | 47 |
| 171 | Syntheses, crystal, photoluminescence and electrochemical investigation of some new phenylmercury(II) dithiocarbamate complexes involving ferrocene. <i>Dalton Transactions</i> , 2010 , 39, 2667-753 | 4.3 | 47 |
| 170 | The interplay of secondary Hg ²⁺ S, Hg ²⁺ N and Hg ²⁺ O bonding interactions in supramolecular structures of phenylmercury(II) dithiocarbamates. <i>CrystEngComm</i> , 2011 , 13, 6817 | 3.3 | 45 |
| 169 | Syntheses, crystal and molecular structures, and properties of some new phenylmercury(II) dithiolate complexes. <i>Dalton Transactions</i> , 2008 , 4999-5007 | 4.3 | 44 |
| 168 | New Ni(II) 1,2-bis(diphenylphosphino)ethane dithiolates: crystallographic, computational and Hirshfeld surface analyses. <i>CrystEngComm</i> , 2015 , 17, 9175-9184 | 3.3 | 40 |
| 167 | Syntheses, design strategies, and photocatalytic charge dynamics of metal-organic frameworks (MOFs): a catalyzed photo-degradation approach towards organic dyes. <i>Catalysis Science and Technology</i> , 2021 , 11, 3946-3989 | 5.5 | 40 |
| 166 | Application of Extended ferrocene with varied anchoring groups as photosensitizers in TiO ₂ -based dye-sensitized solar cells (DSSCs). <i>Chemistry - an Asian Journal</i> , 2011 , 6, 1525-32 | 4.5 | 39 |
| 165 | Recent advances in cell membrane coated metal-organic frameworks (MOFs) for tumor therapy. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 4459-4474 | 7.3 | 38 |
| 164 | Synthesis, Structure, Conductivity, and Calculated Nonlinear Optical Properties of Two Novel Bis(triphenylphosphane)copper(I) Dithiocarbamates. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 2720-2725 | 2.3 | 36 |
| 163 | 1,2-Bis(diphenylphosphino)ethane nickel(II)dithiocarbamate as potential precursor for nickel sulfide: Effect of counter anion on phase and morphology. <i>Inorganica Chimica Acta</i> , 2014 , 415, 69-74 | 2.7 | 33 |
| 162 | Synthesis, characterization and calculated non-linear optical properties of two new chalcones. <i>Journal of Molecular Structure</i> , 2012 , 1017, 26-31 | 3.4 | 33 |
| 161 | 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 | 3.6 | 32 |
| 160 | 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 | 3.4 | 31 |
| 159 | Two 3D supramolecular isomeric Zn(II)-MOFs as photocatalysts for photodegradation of methyl violet dye. <i>Dyes and Pigments</i> , 2021 , 190, 109285 | 4.6 | 30 |
| 158 | Ferrocenyl Dithiocarbamate Based d10 Transition-Metal Complexes as Potential Co-Sensitizers in Dye-Sensitized Solar Cells. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 1013-1021 | 2.3 | 30 |
| 157 | A New 3D 10-Connected Cd(II) Based MOF With Mixed Ligands: A Dual Photoluminescent Sensor for Nitroaromatics and Ferric Ion. <i>Frontiers in Chemistry</i> , 2019 , 7, 244 | 5 | 29 |
| 156 | Light harvesting properties of ferrocenyl based sensitizer with sulfur rich dithiocarbamates and xanthate as anchoring group. <i>Solar Energy</i> , 2014 , 108, 560-569 | 6.8 | 26 |

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| 155 | Design, structures and study of non-covalent interactions of mono-, di-, and tetranuclear complexes of a bifurcated quadridentate tripod ligand, N-(aminopropyl)-diethanolamine. <i>New Journal of Chemistry</i> , 2017 , 41, 1959-1972 | 3.6 | 25 |
| 154 | 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 | 3.3 | 25 |
| 153 | Silver(I) complexes as efficient source for silver oxide nanoparticles with catalytic activity in A3 coupling reactions. <i>Inorganica Chimica Acta</i> , 2015 , 438, 255-263 | 2.7 | 25 |
| 152 | Dye-Sensitized Solar Cells with Biferrocenyl Antennae Having Quinoxaline Spacers. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 3700-3707 | 2.3 | 25 |
| 151 | 1,1-TBis(di-tert-butylphosphino)ferrocene copper(I) complex catalyzed C-H activation and carboxylation of terminal alkynes. <i>Dalton Transactions</i> , 2015 , 44, 20874-82 | 4.3 | 24 |
| 150 | A 3D metal-organic framework with isophthalic acid linker for photocatalytic properties. <i>Inorganic Chemistry Communication</i> , 2019 , 100, 92-96 | 3.1 | 24 |
| 149 | Syntheses and photocatalytic properties of three new d10-based coordination polymers: effects of metal centres and ancillary ligands. <i>CrystEngComm</i> , 2019 , 21, 6558-6565 | 3.3 | 23 |
| 148 | Transition metal ferrocenyl dithiocarbamates functionalized dye-sensitized solar cells with hydroxy as an anchoring group. <i>Optical Materials</i> , 2016 , 62, 176-183 | 3.3 | 23 |
| 147 | New single-source precursor for bismuth sulfide and its use as low-cost counter electrode material for dye-sensitized solar cells. <i>Inorganica Chimica Acta</i> , 2015 , 430, 168-175 | 2.7 | 22 |
| 146 | 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 | 3.4 | 22 |
| 145 | Ferrocenyl chalcones with phenolic and pyridyl anchors as potential sensitizers in dye-sensitized solar cells. <i>RSC Advances</i> , 2016 , 6, 97664-97675 | 3.7 | 22 |
| 144 | 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 | 3.4 | 21 |
| 143 | Phenylmercury(II) methylferrocenyldithiocarbamate-functionalized dye-sensitized solar cells with hydroxy as an anchoring group. <i>Journal of Solid State Electrochemistry</i> , 2015 , 19, 739-747 | 2.6 | 20 |
| 142 | Synthesis, characterization, crystal structures and photophysical properties of copper(I) complexes containing 1,1'-bis(diphenylphosphino)ferrocene (B-dppf) in doubly-bridged mode. <i>Inorganica Chimica Acta</i> , 2011 , 376, 549-556 | 2.7 | 20 |
| 141 | Supramolecular architecture of organotin(IV) 4-hydroxypiperidine dithiocarbamates: Crystallographic, computational and Hirshfeld surface analyses. <i>Inorganica Chimica Acta</i> , 2016 , 450, 57-68 | 2.7 | 20 |
| 140 | Metal Organic Framework as an Efficient Adsorbent for Drugs from Wastewater. <i>Materials Today Communications</i> , 2022 , 103514 | 2.5 | 20 |
| 139 | Fluorescent sensing of nitroaromatics by two coordination polymers having potential active sites. <i>Journal of Luminescence</i> , 2017 , 186, 40-47 | 3.8 | 19 |
| 138 | Fabrication of a new metal-organic framework for sensitive sensing of nitroaromatics and efficient dye adsorption. <i>RSC Advances</i> , 2017 , 7, 54522-54531 | 3.7 | 19 |

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| 137 | 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 | 2.7 | 19 |
| 136 | Hierarchical zinc oxide pomegranate and hollow sphere structures as efficient photoanodes for dye-sensitized solar cells. <i>Microporous and Mesoporous Materials</i> , 2016 , 226, 201-208 | 5.3 | 18 |
| 135 | The utilization of a stable 2D bilayer MOF for simultaneous study of luminescent and photocatalytic properties: experimental studies and theoretical analysis.. <i>RSC Advances</i> , 2018 , 8, 23529-23538 | 2.7 | 18 |
| 134 | Syntheses, characterization, and structural studies of copper(I) complexes containing 1,1-Tbis(di-tert-butylphosphino)ferrocene (dtbpf) and their application in palladium-catalyzed Sonogashira coupling of aryl halides. <i>Dalton Transactions</i> , 2014 , 43, 13620-9 | 4.3 | 18 |
| 133 | New highly luminescent 3D Tb(III)-MOF as selective sensor for antibiotics. <i>Inorganic Chemistry Communication</i> , 2021 , 130, 108756 | 3.1 | 18 |
| 132 | Luminescent sensing of a new 8-connected topological metal-organic framework. <i>Inorganic Chemistry Communication</i> , 2016 , 70, 160-163 | 3.1 | 17 |
| 131 | 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 | 3.6 | 16 |
| 130 | One pot synthesis of tetrasubstituted thiophenes: [3 + 2] annulation strategy. <i>RSC Advances</i> , 2015 , 5, 36979-36986 | 3.7 | 16 |
| 129 | Syntheses and crystal structures of new dinuclear lanthanide complexes based on 3-(4-hydroxyphenyl)propanoic acid: Hirshfeld surface analyses and photoluminescence sensing. <i>New Journal of Chemistry</i> , 2019 , 43, 13499-13508 | 3.6 | 16 |
| 128 | Partially reduced thiochromene based oxathiahelicenes: crystallographic, computational and Hirshfeld surface analyses. <i>CrystEngComm</i> , 2013 , 15, 7019 | 3.3 | 16 |
| 127 | New 1D diorganotin(IV) dithiolate coordination polymers: crystallographic, computational, Hirshfeld surface and thermal analyses. <i>CrystEngComm</i> , 2020 , 22, 2049-2059 | 3.3 | 15 |
| 126 | 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 | 3.4 | 15 |
| 125 | Non-catalytic approach to the synthesis of partially reduced T-shaped dioxathia- and oxadithiahelicenes through base induced inter- and intramolecular C-C bond formation. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 605-13 | 3.9 | 15 |
| 124 | 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 | 1.6 | 14 |
| 123 | Rational Syntheses of Cd(II) and Pb(II) Metal-Organic Frameworks for Luminescence Sensing of Nitroaromatics, Ferric and Chromate Ions. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 214-219 | 1.3 | 14 |
| 122 | Photocatalytic performances of two new Cd(II) and Zn(II)-based coordination polymers. <i>Journal of Molecular Structure</i> , 2019 , 1182, 79-86 | 3.4 | 14 |
| 121 | Synthesis, characterization and light harvesting properties of Sb(III) and Bi(III) ferrocenyl dithiocarbamate complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 150, 652-6 | 4.4 | 14 |
| 120 | 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 | 3.6 | 14 |

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| 119 | Modular construction, magnetism and photocatalytic properties of two new metal-organic frameworks based on a semi-rigid tetracarboxylate ligand. <i>Journal of Solid State Chemistry</i> , 2019 , 277, 673-679 | 3.3 | 14 |
| 118 | Synthesis, characterization and light harvesting properties of nickel(II) diimine dithiolate complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 115, 106-10 | 4.4 | 14 |
| 117 | Syntheses, characterization, and electrochemistry of compounds containing 1-diphenylphosphino-1'-(di-tert-butylphosphino)ferrocene (dppdtbpf). <i>Journal of Organometallic Chemistry</i> , 2014 , 772-773, 202-209 | 2.3 | 13 |
| 116 | Synthesis, structure, catalytic and calculated non-linear optical properties of cis- and trans-, mer-chlorobis(triphenyl phosphine/triphenyl arsine)-dipicolinato ruthenium(III) complexes. <i>Journal of Molecular Structure</i> , 2011 , 994, 29-38 | 3.4 | 13 |
| 115 | 1,2-Bis(diphenylphosphino)ethane nickel(II) O,O'-dialkyldithiophosphates as potential precursors for nickel sulfides. <i>New Journal of Chemistry</i> , 2017 , 41, 1327-1333 | 3.6 | 12 |
| 114 | An unusual zig-zag 1D copper(II) coordination polymer displaying magnetic phase transition. <i>Dalton Transactions</i> , 2017 , 46, 15178-15180 | 4.3 | 12 |
| 113 | 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 | 3.7 | 12 |
| 112 | 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 | 6.7 | 12 |
| 111 | Regioselective synthesis of polycyclic aza-oxa and aza-oxa-thia heteroarenes as Colo-205 and HepG2 carcinoma cells growth inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2014 , 81, 367-77 | 6.8 | 12 |
| 110 | Synthesis of dibenzo[d,f]diazepinones and alkenylindolinones through ring transformation of 2H-pyran-2-one-3-carbonitriles by indolin-2-ones. <i>Tetrahedron</i> , 2013 , 69, 4857-4865 | 2.4 | 12 |
| 109 | Organoheterobimetallic cyanodithioimidocarbonates and their I2-doped products: Synthesis, characterization and conducting properties. <i>Synthetic Metals</i> , 2008 , 158, 442-446 | 3.6 | 12 |
| 108 | Silver(I) and palladium(II) complexes of new pentamethylene-functionalized bis-imidazolium dication ligands and its application in Heck and SuzukiMiyaura coupling reaction. <i>Inorganica Chimica Acta</i> , 2016 , 449, 1-8 | 2.7 | 12 |
| 107 | Four new luminescent-organic frameworks exhibiting highly sensing of nitroaromatics: An experimental and computational insight. <i>Inorganica Chimica Acta</i> , 2019 , 487, 257-263 | 2.7 | 12 |
| 106 | Recent advances in Cu(II)/Cu(I)-MOFs based nano-platforms for developing new nano-medicines. <i>Journal of Inorganic Biochemistry</i> , 2021 , 225, 111599 | 4.2 | 12 |
| 105 | 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 | 6 | 12 |
| 104 | Efficient photocatalytic degradation of methyl violet with two metal-organic frameworks. <i>Journal of Coordination Chemistry</i> , 2017 , 70, 3409-3421 | 1.6 | 11 |
| 103 | Metal-free synthesis of nitrile based partially reduced thia-and oxa-thia[5]helicenes: conformation and dynamics. <i>RSC Advances</i> , 2012 , 2, 1557-1564 | 3.7 | 11 |
| 102 | Base mediated synthesis of β -aminated aryl/acetylnaphthalenes through [4+2] annulations. <i>Tetrahedron</i> , 2014 , 70, 8879-8884 | 2.4 | 10 |

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| 101 | A thiocyanato-bridged copper(I) cubane complex and its application in palladium-catalyzed Sonogashira coupling of aryl halides. <i>Dalton Transactions</i> , 2013 , 42, 12849-52 | 4.3 | 10 |
| 100 | A carbanion induced ring switching synthesis of spiranes: an unprecedented approach. <i>RSC Advances</i> , 2012 , 2, 9091 | 3.7 | 10 |
| 99 | Two new uncommon 3D cobalt-based metal organic frameworks: Temperature induced syntheses and enhanced photocatalytic properties against aromatic dyes. <i>Dyes and Pigments</i> , 2021 , 187, 109068 | 4.6 | 10 |
| 98 | Temperature tuned syntheses of two new d-based Cd(ii) cluster metal-organic frameworks: luminescence sensing and photocatalytic properties.. <i>RSC Advances</i> , 2019 , 9, 29864-29872 | 3.7 | 10 |
| 97 | Structures and photocatalytic properties of two Mn(II)-based coordination polymers. <i>Inorganica Chimica Acta</i> , 2020 , 499, 119189 | 2.7 | 10 |
| 96 | A polyhedral metal-organic framework based on rigid precursor for photocatalytic properties. <i>Inorganic Chemistry Communication</i> , 2018 , 97, 109-112 | 3.1 | 10 |
| 95 | A new 3D three-interpenetration metal-organic framework and its photocatalytic property: A combined experimental and theoretical investigation. <i>Inorganic Chemistry Communication</i> , 2019 , 109, 107576 | 3.1 | 9 |
| 94 | 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 | 2.7 | 9 |
| 93 | Supramolecular architecture of organotin(IV) N-methyl ferrocenyl N-ethanol dithiocarbamates: Crystallographic and computational studies. <i>Inorganica Chimica Acta</i> , 2018 , 471, 234-243 | 2.7 | 9 |
| 92 | A cyano-bridged copper(II)-copper(I) mixed-valence coordination polymer as a source of copper oxide nanoparticles with catalytic activity in C _N , C _D and C _B cross-coupling reactions. <i>New Journal of Chemistry</i> , 2014 , 38, 4267-4274 | 3.6 | 9 |
| 91 | A cyano and end-to-end azido bridged 3D copper(II)-copper(I) mixed-valence coordination polymer and its transformation to copper nitride nanoparticles. <i>RSC Advances</i> , 2014 , 4, 34110-34116 | 3.7 | 9 |
| 90 | Synthesis of diosgenin p-nitrobenzoate by Steglich method, its crystal structure and quantum chemical studies. <i>Journal of Molecular Structure</i> , 2012 , 1028, 88-96 | 3.4 | 9 |
| 89 | Sequential approach to the synthesis of T and Z shaped polycyclic heteroarenes. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 4977-86 | 3.9 | 9 |
| 88 | A new single pot synthesis of [bis(oxido)bis{oxidovanadium(V)} dipicolinato complex with 2-aminopyridinium as counter cation: Spectroscopic, structural, catalytic and theoretical studies. <i>Journal of Organometallic Chemistry</i> , 2010 , 695, 1722-1728 | 2.3 | 9 |
| 87 | Design of Metal-Organic Frameworks for pH-Responsive Drug Delivery Application. <i>Mini-Reviews in Medicinal Chemistry</i> , 2019 , 19, 1644-1665 | 3.2 | 9 |
| 86 | 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 | 3.6 | 9 |
| 85 | The interplay of thiophilic and hydrogen bonding interactions in the supramolecular architecture of phenylmercury 4-hydroxypiperidine dithiocarbamate. <i>Journal of Molecular Structure</i> , 2016 , 1103, 265-270 | 4 | 8 |
| 84 | Synthetic, spectral, structural and catalytic activity of infinite 3-D and 2-D copper(ii) coordination polymers for substrate size-dependent catalysis for CO conversion. <i>Dalton Transactions</i> , 2019 , 48, 10078-10088 | 4.3 | 8 |

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| 83 | Zn(II)-based metal-organic frameworks derived from dicarboxylate ligand and N-donor ligands as luminescent sensors for selective detection of picric acid. <i>Journal of Molecular Structure</i> , 2019 , 1196, 194-200 | 3.4 | 8 |
| 82 | Synthesis, structure and calculated NLO properties of [(n-Bu) ₂ Sn-EO-OH-Sn(n-Bu) ₂ (CH ₃ CO ₂)] ₂ and its putative derivatives. <i>Inorganic Chemistry Communication</i> , 2009 , 12, 686-690 | 3.1 | 8 |
| 81 | Biomedical applications of metal-organic framework (MOF)-based nano-enzymes. <i>New Journal of Chemistry</i> , | 3.6 | 8 |
| 80 | 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 | 3.6 | 8 |
| 79 | cis-1,2-Bis(diphenylphosphino)ethylene copper(I) catalyzed C≡C activation and carboxylation of terminal alkynes. <i>New Journal of Chemistry</i> , 2017 , 41, 14145-14151 | 3.6 | 7 |
| 78 | A highly active copper catalyst for the hydrogenation of carbon dioxide to formate under ambient conditions. <i>Dalton Transactions</i> , 2020 , 49, 2994-3000 | 4.3 | 7 |
| 77 | A new 1D coordination polymer of triphenyl lead hydrosulfide: Synthesis and insights into crystal architecture and Hirshfeld surface analyses. <i>Journal of Molecular Structure</i> , 2020 , 1207, 127801 | 3.4 | 7 |
| 76 | Polyoxomolybdate(VI) anion stabilized by ammonium cation via CS ₂ elimination from N-benzyl-N-methylferrocenyl dithiocarbamate. <i>Journal of Coordination Chemistry</i> , 2012 , 65, 431-438 | 1.6 | 7 |
| 75 | Photocatalytic degradation of organic dyes by infinite one dimensional coordination polymer based on Zn(II) in water. <i>Bulletin of the Chemical Society of Ethiopia</i> , 2019 , 33, 51 | 1.2 | 6 |
| 74 | Base controlled diverse reactivity of allyl cyanide for synthesis of multi-substituted benzenes. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 5465-5473 | 3.9 | 6 |
| 73 | 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 | 1.6 | 6 |
| 72 | Synthesis of 1-amino-2-aryl/acetylnaphthalenes through a base mediated one pot inter and intramolecular C-C bond formation strategy. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 4730-7 | 3.9 | 6 |
| 71 | Zirconium Based Nano Metal-Organic Framework UiO-67-NH ₂ with High Drug Loading for Controlled Release of Camptothecin. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020 , 30, 573-579 | 3.2 | 6 |
| 70 | Photocatalytic and magnetic properties of two new Co(II) cluster-based metal-organic frameworks. <i>Inorganic Chemistry Communication</i> , 2020 , 111, 107563 | 3.1 | 6 |
| 69 | Ferrocene decorated unusual mercury(II) dithiocarbamate coordination polymers: crystallographic and computational studies. <i>CrystEngComm</i> , 2021 , 23, 2414-2423 | 3.3 | 6 |
| 68 | Syntheses of a series of lanthanide metal-organic frameworks for efficient UV-light-driven dye degradation: experiment and simulation. <i>CrystEngComm</i> , 2021 , 23, 2404-2413 | 3.3 | 6 |
| 67 | Two new coordination polymers driven by polycarboxylate and N-donor spacers: Photocatalytic performance and theoretical analysis. <i>Inorganica Chimica Acta</i> , 2020 , 508, 119647 | 2.7 | 5 |
| 66 | Two Chemically Stable Cd(II) Polymers as Fluorescent Sensor and Photocatalyst for Aromatic Dyes. <i>Polymers</i> , 2018 , 10, | 4.5 | 5 |

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| 38 | Bicyclic ketone mediated synthesis of oxygenated aromatic systems. <i>RSC Advances</i> , 2012 , 2, 2688 | 3.7 | 3 |
| 37 | Alkali /alkaline earth-based metal-organic frameworks for biomedical applications. <i>Dalton Transactions</i> , 2021 , 50, 17438-17454 | 4.3 | 3 |
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| 13 | Experimental Sensing and DFT Mechanism of Zn(II) Complex for Highly Sensitive and Selective Detection of Acetone. <i>Crystals</i> , 2020 , 10, 324 | 2.3 | 1 |
| 12 | 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 | 3.6 | 1 |

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