

# Abhinav Kumar

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Ferrocene Appended Asymmetric Sensitizers with Azine Spacers with phenolic/nitro anchors for Dye-Sensitized Solar Cells. <i>Journal of Molecular Structure</i> , <b>2022</b> , 1249, 131630	3.4	0
189	A new Cu(II) metal-organic architecture driven by ether-bridged dicarboxylate: Photocatalytic properties and Hirshfeld surface analysis. <i>Journal of Molecular Structure</i> , <b>2022</b> , 1249, 131627	3.4	1
188	Single-source precursors for main group metal sulfides and solar cell applications <b>2022</b> , 357-387		
187	Metal-Organic Frameworks (MOFs) Catalyzed Photodegradation of Organic Dyes: Syntheses, Designing Strategies, and Mechanism <b>2022</b> , 645-680		
186	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> , <b>2022</b> , 213, 112432	6	12
185	Metal Organic Framework as an Efficient Adsorbent for Drugs from Wastewater. <i>Materials Today Communications</i> , <b>2022</b> , 103514	2.5	20
184	Sensing and photocatalytic properties of a new 1D Zn(II)-based coordination polymer derived from the 3,5-dibromosalicylaldehyde nicotinoylhydrazone ligand. <i>Polyhedron</i> , <b>2022</b> , 222, 115900	2.7	0
183	Nicotinoylhydrazone and 4,4'-bipyridine appended new Zn(II) Coordination Polymer: Secnidazole sensing and Rhodamine B photocatalytic degradation properties. <i>Journal of Molecular Structure</i> , <b>2022</b> , 133304	3.4	0
182	Fabrication of a one-dimensional copper(I) cyanide bearing 4,4'-bis(imidazolyl)biphenyl polymer as a recyclable luminescent sensing material for sensitive detection of nitrofurazone. <i>Journal of Molecular Structure</i> , <b>2022</b> , 1264, 133332	3.4	0
181	Cobalt-seamed C-methylpyrogallol[4]arene nanocapsules-derived magnetic carbon cubes as advanced adsorbent toward drug contaminant removal. <i>Chemical Engineering Journal</i> , <b>2021</b> , 433, 133857	14.7	5
180	Alkali /alkaline earth-based metal-organic frameworks for biomedical applications. <i>Dalton Transactions</i> , <b>2021</b> , 50, 17438-17454	4.3	3
179	Copper(I) Complexes Containing PCP Ligand Catalyzed Hydrogenation of Carbon Dioxide to Formate under Ambient Conditions. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 4385-4396	5.1	3
178	Two new uncommon 3D cobalt-based metal organic frameworks: Temperature induced syntheses and enhanced photocatalytic properties against aromatic dyes. <i>Dyes and Pigments</i> , <b>2021</b> , 187, 109068	4.6	10
177	New mercury(II) halide complexes with neutral ferrocene functionalized thiazolidine-2-thiones: Crystallographic and computational analyses. <i>Applied Organometallic Chemistry</i> , <b>2021</b> , 35, e6299	3.1	0
176	Two 3D supramolecular isomeric Zn(II)-MOFs as photocatalysts for photodegradation of methyl violet dye. <i>Dyes and Pigments</i> , <b>2021</b> , 190, 109285	4.6	30
175	New lead(II) coordination polymer derived from second generation O-methylpyridylxanthate: Crystallographic and computational studies. <i>Inorganica Chimica Acta</i> , <b>2021</b> , 514, 120032	2.7	
174	New 3D Cd(II)-based pillar-supported metal-organic framework as fluorescent sensor for sensitive detection of agricultural pesticide pymetrozine. <i>Inorganic Chemistry Communication</i> , <b>2021</b> , 123, 108296	3.1	4

173	Modular construction and photocatalytic properties of two Co(II) metal-organic frameworks. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1223, 129218	3.4	2
172	Ni(II) dithiolate anion composites with two-dimensional materials for electrochemical oxygen evolution reactions (OERs). <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 16264-16270	3.6	1
171	Recent advances in cell membrane coated metal-organic frameworks (MOFs) for tumor therapy. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 4459-4474	7.3	38
170	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> , <b>2021</b> , 23, 3981-3988	3.3	2
169	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> , <b>2021</b> , 11, 3946-3989	5.5	40
168	New Cd(II) coordination polymers bearing Y-shaped tricarboxylate ligands as photocatalysts for dye degradation. <i>CrystEngComm</i> , <b>2021</b> , 23, 6400-6408	3.3	2
167	New highly luminescent 3D Tb(III)-MOF as selective sensor for antibiotics. <i>Inorganic Chemistry Communication</i> , <b>2021</b> , 130, 108756	3.1	18
166	Synthesis, structure and photocatalysis of a new 3D Dy(III)-based metal-organic framework with carboxylate functionalized triazole derivative ligand. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1238, 130388	3.4	3
165	Zn(II)-MOF with flexible dicarboxylate ligand with different N-donor linkage as photocatalyst for aromatic dye degradation. <i>Inorganic Chemistry Communication</i> , <b>2021</b> , 130, 108685	3.1	4
164	Mononuclear copper(II) complexes with (Z)-N?-{(2-hydroxynaphthalen-1-yl)methylene}acetohydrazide: X-ray single-crystal structures, Hirshfeld analysis, X-band epr spectra, DFT calculations and SOD mimetic activity. <i>Inorganica Chimica Acta</i> , <b>2021</b> , 555, 199199	2.7	4
163	Integration of mixed ligand into a multivariate metal-organic framework for enhanced UV-light photocatalytic degradation of Rhodamine B. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2021</b> ,	5.3	3
162	Efficient degradation of dyes in water by two Ag-based coordination polymers containing 1,3-bis(3,5-dicarboxylphenoxy)benzene and N-donor linkers. <i>Polyhedron</i> , <b>2021</b> , 207, 115362	2.7	4
161	Multicomponent isorecticular metal-organic frameworks: Principles, current status and challenges. <i>Coordination Chemistry Reviews</i> , <b>2021</b> , 445, 214074	23.2	61
160	Structural diversity in four Zn(II)/Cd(II) coordination polymers tuned by flexible pentacarboxylate and N-donor coligands: Photocatalysts for enhanced degradation of dyes. <i>Dyes and Pigments</i> , <b>2021</b> , 195, 109695	4.6	4
159	Recent advances in Cu(II)/Cu(I)-MOFs based nano-platforms for developing new nano-medicines. <i>Journal of Inorganic Biochemistry</i> , <b>2021</b> , 225, 111599	4.2	12
158	A new 2D Zn(II) coordination polymer as luminescent probe for highly selective detection of nitrofurazone. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1245, 131264	3.4	1
157	Ferrocene decorated unusual mercury(II) dithiocarbamate coordination polymers: crystallographic and computational studies. <i>CrystEngComm</i> , <b>2021</b> , 23, 2414-2423	3.3	6
156	Acid-assisted hydrogenation of CO to methanol using Ru(II) and Rh(III) RAPTA-type catalysts under mild conditions. <i>Chemical Communications</i> , <b>2021</b> ,	5.8	2

155	Syntheses of a series of lanthanide metal-organic frameworks for efficient UV-light-driven dye degradation: experiment and simulation. <i>CrystEngComm</i> , <b>2021</b> , 23, 2404-2413	3.3	6
154	Two Ln-based metal-organic frameworks based on the 5-(1-1,2,4-triazol-1-yl)-1,3-benzenedicarboxylic acid ligand: syntheses, structures, and photocatalytic properties.. <i>RSC Advances</i> , <b>2020</b> , 10, 39771-39778	3.7	1
153	Structures and photocatalytic properties of two new Zn(ii) coordination polymers based on semi-rigid V-shaped multicarboxylate ligands.. <i>RSC Advances</i> , <b>2020</b> , 10, 18721-18727	3.7	12
152	Two new coordination polymers driven by polycarboxylate and N-donor spacers: Photocatalytic performance and theoretical analysis. <i>Inorganica Chimica Acta</i> , <b>2020</b> , 508, 119647	2.7	5
151	Tertiary phosphine-appended transition metal ferrocenyl dithiocarbamates: Syntheses, Hirshfeld surface, and electrochemical analyses. <i>Applied Organometallic Chemistry</i> , <b>2020</b> , 34, e5879	3.1	3
150	Recent advances in MOF-based nanoplatforms generating reactive species for chemodynamic therapy. <i>Dalton Transactions</i> , <b>2020</b> , 49, 11045-11058	4.3	78
149	Multi-responsive luminescent 2D Zn(II)-based coordination polymer for detection of trinitrophenol and Fe <sup>3+</sup> . <i>Journal of Coordination Chemistry</i> , <b>2020</b> , 73, 307-316	1.6	4
148	A highly active copper catalyst for the hydrogenation of carbon dioxide to formate under ambient conditions. <i>Dalton Transactions</i> , <b>2020</b> , 49, 2994-3000	4.3	7
147	New 1D diorganotin(IV) dithiolate coordination polymers: crystallographic, computational, Hirshfeld surface and thermal analyses. <i>CrystEngComm</i> , <b>2020</b> , 22, 2049-2059	3.3	15
146	New main-group ferrocenyldithiocarbamates and conversion to ferrocene oxazolidine-2-thione and -2-one. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 3268-3277	3.6	2
145	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> , <b>2020</b> , 1207, 127801	3.4	7
144	Recent developments in luminescent coordination polymers: Designing strategies, sensing application and theoretical evidences. <i>Coordination Chemistry Reviews</i> , <b>2020</b> , 406, 213145	23.2	210
143	Syntheses and photocatalytic properties of two new d10- and d9-based 2D coordination polymers. <i>Inorganica Chimica Acta</i> , <b>2020</b> , 502, 119334	2.7	4
142	A [5 + 1] annulation strategy for the synthesis of multifunctional biaryls and p-teraryls from 1,6-Michael acceptor ketene dithioacetals. <i>Organic and Biomolecular Chemistry</i> , <b>2020</b> , 18, 6407-6417	3.9	2
141	Design and synthesis of new functionalized 8-(thiophen-2-yl)-1,2,3,4-tetrahydroquinolines as turn-off chemosensors for selective recognition of Pd <sup>2+</sup> ions. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 15559-15566	3.6	5
140	Luminescent sensing of nitroaromatics by crystalline porous materials. <i>CrystEngComm</i> , <b>2020</b> , 22, 7736-7738	3.8	67
139	Photocatalytic and Luminescent Sensing Properties of Two New 1D Zn(II)-Based Coordination Polymers. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2020</b> , 20, 5928-5937	1.3	1
138	Zirconium Based Nano Metal-Organic Framework UiO-67-NH <sub>2</sub> with High Drug Loading for Controlled Release of Camptothecin. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2020</b> , 30, 573-579	3.2	6

137	Structures and photocatalytic properties of two Mn(II)-based coordination polymers. <i>Inorganica Chimica Acta</i> , <b>2020</b> , 499, 119189	2.7	10
136	Photocatalytic and magnetic properties of two new Co(II) cluster-based metal-organic frameworks. <i>Inorganic Chemistry Communication</i> , <b>2020</b> , 111, 107563	3.1	6
135	Experimental Sensing and DFT Mechanism of Zn(II) Complex for Highly Sensitive and Selective Detection of Acetone. <i>Crystals</i> , <b>2020</b> , 10, 324	2.3	1
134	Photocatalytic performances of two new Cd(II) and Zn(II)-based coordination polymers. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1182, 79-86	3.4	14
133	Synthesis and photocatalytic property of a new 1D metal-organic polymer. <i>Inorganic Chemistry Communication</i> , <b>2019</b> , 108, 107543	3.1	2
132	Syntheses and photocatalytic properties of three new d10-based coordination polymers: effects of metal centres and ancillary ligands. <i>CrystEngComm</i> , <b>2019</b> , 21, 6558-6565	3.3	23
131	A new 3D three-interpenetration metal-organic framework and its photocatalytic property: A combined experimental and theoretical investigation. <i>Inorganic Chemistry Communication</i> , <b>2019</b> , 109, 107576	3.1	9
130	Exploiting new 3D Cu(I)-based metal-organic framework as fluorescent sensor for nitroaromatics: An integrated experimental and computational investigation. <i>Inorganic Chemistry Communication</i> , <b>2019</b> , 106, 18-21	3.1	4
129	Photocatalytic and Ferric Ion Sensing Properties of a New Three-Dimensional Metal-Organic Framework Based on Cuboctahedral Secondary Building Units. <i>ACS Omega</i> , <b>2019</b> , 4, 10775-10783	3.9	47
128	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> , <b>2019</b> , 21, 4578-4585	3.3	77
127	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> , <b>2019</b> , 48, 10078-10088	4.3	8
126	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> , <b>2019</b> , 33, 51	1.2	6
125	Photocatalytic properties and luminescent sensing of a new 2D layer coordination polymer. <i>Supramolecular Chemistry</i> , <b>2019</b> , 31, 361-368	1.8	4
124	A 3D stable Mn(II) metal-organic framework based on a flexible tetracarboxylate precursor and its photocatalytic properties. <i>Inorganica Chimica Acta</i> , <b>2019</b> , 492, 186-191	2.7	9
123	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> , <b>2019</b> , 7, 244	5	29
122	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> , <b>2019</b> , 277, 673-679	3.3	14
121	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> , <b>2019</b> , 43, 13499-13508	3.6	16
120	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> , <b>2019</b> , 1196, 194-200	3.4	8

119	Design of Metal-Organic Frameworks for pH-Responsive Drug Delivery Application. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2019</b> , 19, 1644-1665	3.2	9
118	Ferrocenylethenyl-substituted oxadiazoles with phenolic and nitro anchors as sensitizers in dye sensitized solar cells. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 4745-4756	3.6	9
117	Temperature tuned syntheses of two new d-based Cd(ii) cluster metal-organic frameworks: luminescence sensing and photocatalytic properties.. <i>RSC Advances</i> , <b>2019</b> , 9, 29864-29872	3.7	10
116	A 3D metal-organic framework with isophthalic acid linker for photocatalytic properties. <i>Inorganic Chemistry Communication</i> , <b>2019</b> , 100, 92-96	3.1	24
115	Luminescent sensing and photocatalytic degradation in a new 3D Zn(II)-based highly luminescent metal-organic framework. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1179, 612-617	3.4	21
114	Selective adsorption and removal of drug contaminants by using an extremely stable Cu(II)-based 3D metal-organic framework. <i>Chemosphere</i> , <b>2019</b> , 215, 524-531	8.4	81
113	Four new luminescent-organic frameworks exhibiting highly sensing of nitroaromatics: An experimental and computational insight. <i>Inorganica Chimica Acta</i> , <b>2019</b> , 487, 257-263	2.7	12
112	Structures and photocatalytic performance of two d10 metal-based coordination polymers containing mixed building units. <i>Transition Metal Chemistry</i> , <b>2019</b> , 44, 107-114	2.1	2
111	A new mixed ligand based Cd(II) 2D coordination polymer with functional sites: Photoluminescence and photocatalytic properties. <i>Inorganica Chimica Acta</i> , <b>2019</b> , 484, 291-296	2.7	19
110	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> , <b>2018</b> , 43, 5985-5995	6.7	12
109	1,1'-Bis(diphenylphosphino)ferrocene-appended nickel(II) dithiolates as sensitizers in dye-sensitized solar cells. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 9306-9316	3.6	14
108	A ternary Fe(ii)-terpyridyl complex-based single platform for reversible multiple-ion recognition. <i>Dalton Transactions</i> , <b>2018</b> , 47, 6386-6393	4.3	4
107	Fluorescence sensing and photocatalytic properties of a 2D stable and biocompatible Zn(II)-based polymer. <i>Journal of Molecular Structure</i> , <b>2018</b> , 1158, 264-270	3.4	15
106	Supramolecular architecture of organotin(IV) N-methyl ferrocenyl N-ethanol dithiocarbamates: Crystallographic and computational studies. <i>Inorganica Chimica Acta</i> , <b>2018</b> , 471, 234-243	2.7	9
105	A new Zn(II) metal-organic framework having 3D CdSO <sub>4</sub> topology as luminescent sensor and photocatalyst for degradation of organic dyes. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 2767-2775	3.6	60
104	A 2D Co(II) coordination polymer based on 1,3,5-tris(1H-imidazol-1-yl)benzene: photocatalytic properties and theoretical analysis. <i>Journal of Coordination Chemistry</i> , <b>2018</b> , 71, 2622-2631	1.6	1
103	Two Chemically Stable Cd(II) Polymers as Fluorescent Sensor and Photocatalyst for Aromatic Dyes. <i>Polymers</i> , <b>2018</b> , 10,	4.5	5
102	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> , <b>2018</b> , 8, 23529-23538	3.7	18



101	A new 3D Gd-based metal-organic framework with paddle-wheel unit: Structure and photocatalytic property. <i>Inorganic Chemistry Communication</i> , <b>2018</b> , 95, 104-106	3.1	5
100	Base controlled diverse reactivity of allyl cyanide for synthesis of multi-substituted benzenes. <i>Organic and Biomolecular Chemistry</i> , <b>2018</b> , 16, 5465-5473	3.9	6
99	A fluorescent Cd(II) based 2-D coordination polymer for highly selective detection of nitroaromatics and Hg <sup>2+</sup> . <i>Journal of Coordination Chemistry</i> , <b>2018</b> , 71, 1403-1414	1.6	4
98	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> , <b>2018</b> , 47, 9627-9633	4.3	62
97	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> , <b>2018</b> , 42, 18759-18764	3.6	8
96	A polyhedral metal-organic framework based on rigid precursor for photocatalytic properties. <i>Inorganic Chemistry Communication</i> , <b>2018</b> , 97, 109-112	3.1	10
95	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> , <b>2017</b> , 41, 1959-1972	3.6	25
94	A 2D Cd(II)-MOF as a multifunctional luminescent sensor for nitroaromatics, iron(III) and chromate ions. <i>Journal of Coordination Chemistry</i> , <b>2017</b> , 70, 1077-1088	1.6	14
93	Synthesis of Partially Reduced Imidazo[1,2-a]pyridines through an Unprecedented Base-Mediated (4+2) Cyclization. <i>Synlett</i> , <b>2017</b> , 28, 819-824	2.2	0
92	Fluorescent sensing of nitroaromatics by two coordination polymers having potential active sites. <i>Journal of Luminescence</i> , <b>2017</b> , 186, 40-47	3.8	19
91	Ferrocenyl benzimidazole with carboxylic and nitro anchors as potential sensitizers in dye-sensitized solar cells. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 7312-7321	3.6	16
90	Molecular structure, supramolecular association and anion sensing by chlorodiorganotin(IV) methylferrocenyldithiocarbamates. <i>Journal of Molecular Structure</i> , <b>2017</b> , 1145, 197-203	3.4	4
89	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> , <b>2017</b> , 41, 3537-3542	3.6	32
88	Two lanthanide-based metal-organic frameworks for highly efficient adsorption and removal of fluoride ions from water. <i>CrystEngComm</i> , <b>2017</b> , 19, 2172-2177	3.3	50
87	Rational Syntheses of CdII and PbII Metal-Organic Frameworks for Luminescence Sensing of Nitroaromatics, Ferric and Chromate Ions. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2017</b> , 643, 214-219	1.3	14
86	1,2-Bis(diphenylphosphino)ethane nickel(II) O,O'-dialkyldithiophosphates as potential precursors for nickel sulfides. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 1327-1333	3.6	12
85	Efficient photocatalytic degradation of methyl violet with two metal-organic frameworks. <i>Journal of Coordination Chemistry</i> , <b>2017</b> , 70, 3409-3421	1.6	11
84	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> , <b>2017</b> , 19, 6464-6472	3.3	49

83	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> , <b>2017</b> , 19, 7057-7067	3-3	25
82	An unusual zig-zag 1D copper(II) coordination polymer displaying magnetic phase transition. <i>Dalton Transactions</i> , <b>2017</b> , 46, 15178-15180	4-3	12
81	cis-1,2-Bis(diphenylphosphino)ethylene copper(I) catalyzed C≡C activation and carboxylation of terminal alkynes. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 14145-14151	3-6	7
80	A Base-Mediated 6-exo-trig versus 6-exo-dig Carbocyclization Strategy for the Synthesis of Functionalized Biaryl Compounds. <i>Asian Journal of Organic Chemistry</i> , <b>2017</b> , 6, 1394-1397	3	4
79	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> , <b>2017</b> , 1149, 352-358	3-4	31
78	Luminescent sensing of Cu <sup>2+</sup> , CrO <sub>4</sub> <sup>2-</sup> 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> , <b>2017</b> , 1148, 531-536	3-4	22
77	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> , <b>2017</b> , 70, 3946-3958	1-6	6
76	Fabrication of a new metal-organic framework for sensitive sensing of nitroaromatics and efficient dye adsorption. <i>RSC Advances</i> , <b>2017</b> , 7, 54522-54531	3-7	19
75	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> , <b>2017</b> , 19, 4368-4377	3-3	59
74	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> , <b>2017</b> , 19, 3519-3525	3-3	62
73	Syntheses, Hirshfeld surface analyses and magnetism of two complexes with flexible carboxylates. <i>Inorganic and Nano-Metal Chemistry</i> , <b>2017</b> , 47, 1-8	1-2	1
72	Conformational isomers of dichloro bis (1,3-diaminopropane) copper(II): Synthesis, characterization and DFT modeling. <i>Arabian Journal of Chemistry</i> , <b>2017</b> , 10, S1435-S1444	5-9	3
71	The interplay of thiophilic and hydrogen bonding interactions in the supramolecular architecture of phenylmercury 4-hydroxypiperidine dithiocarbamate. <i>Journal of Molecular Structure</i> , <b>2016</b> , 1103, 265-270	3-4	8
70	Hydrogen energy future with formic acid: a renewable chemical hydrogen storage system. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 12-40	5-5	333
69	A Luminescent Zinc(II) Metal-Organic Framework for Selective Detection of Nitroaromatics, Fe and CrO <sub>4</sub> : A Versatile Threefold Fluorescent Sensor. <i>ChemPlusChem</i> , <b>2016</b> , 81, 885-892	2-8	59
68	Strategy to Construct Stair-Shaped Partially Reduced Naphtho[1,2-b]pyrano[2,3-d]oxepines and Dinaphtho[1,2-b,d]oxepines. <i>Journal of Heterocyclic Chemistry</i> , <b>2016</b> , 53, 2070-2078	1-9	
67	Luminescent sensing of a new 8-connected topological metal-organic framework. <i>Inorganic Chemistry Communication</i> , <b>2016</b> , 70, 160-163	3-1	17
66	Hierarchical zinc oxide pomegranate and hollow sphere structures as efficient photoanodes for dye-sensitized solar cells. <i>Microporous and Mesoporous Materials</i> , <b>2016</b> , 226, 201-208	5-3	18



65	An intramolecular antiferromagnetically coupled pentanuclear Mn(II) cluster containing acetate and tetracarboxylate linkers: Synthesis, structure and magnetism. <i>Journal of Molecular Structure</i> , <b>2016</b> , 1114, 7-12	3.4	3
64	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> , <b>2016</b> , 40, 3109-3118	3.6	64
63	Microwave directed metal-free regiodivergent synthesis of 1,2-teraryls and study of supramolecular interactions. <i>RSC Advances</i> , <b>2016</b> , 6, 14768-14777	3.7	3
62	Luminescent sensing from a new Zn(II) metal-organic framework. <i>RSC Advances</i> , <b>2016</b> , 6, 31161-31166	3.7	68
61	Ferrocenyl Dithiocarbamate Based d10 Transition-Metal Complexes as Potential Co-Sensitizers in Dye-Sensitized Solar Cells. <i>European Journal of Inorganic Chemistry</i> , <b>2016</b> , 2016, 1013-1021	2.3	30
60	Supramolecular architecture of organotin(IV) 4-hydroxypiperidine dithiocarbamates: Crystallographic, computational and Hirshfeld surface analyses. <i>Inorganica Chimica Acta</i> , <b>2016</b> , 450, 57-68	2.7	20
59	Silver(I) and palladium(II) complexes of new pentamethylene-functionalized bis-imidazolium dication ligands and its application in Heck and Suzuki-Miyaura coupling reaction. <i>Inorganica Chimica Acta</i> , <b>2016</b> , 449, 1-8	2.7	12
58	Ferrocenyl chalcones with phenolic and pyridyl anchors as potential sensitizers in dye-sensitized solar cells. <i>RSC Advances</i> , <b>2016</b> , 6, 97664-97675	3.7	22
57	Transition metal ferrocenyl dithiocarbamates functionalized dye-sensitized solar cells with hydroxy as an anchoring group. <i>Optical Materials</i> , <b>2016</b> , 62, 176-183	3.3	23
56	Synthesis of arylated and aminated naphthalenes and their synthetic applications for aza-heterocycles. <i>Tetrahedron</i> , <b>2016</b> , 72, 6436-6443	2.4	4
55	Phenylmercury(II) methylferrocenyldithiocarbamate-functionalized dye-sensitized solar cells with hydroxy as an anchoring group. <i>Journal of Solid State Electrochemistry</i> , <b>2015</b> , 19, 739-747	2.6	20
54	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> , <b>2015</b> , 430, 168-175	2.7	22
53	One pot synthesis of tetrasubstituted thiophenes: [3 + 2] annulation strategy. <i>RSC Advances</i> , <b>2015</b> , 5, 36979-36986	3.7	16
52	A combined experimental and theoretical investigation on solvent-dependent luminescence behavior of a Cu(I)-MOF. <i>Inorganic Chemistry Communication</i> , <b>2015</b> , 61, 82-84	3.1	2
51	1,1-Bis(di-tert-butylphosphino)ferrocene copper(I) complex catalyzed C-H activation and carboxylation of terminal alkynes. <i>Dalton Transactions</i> , <b>2015</b> , 44, 20874-82	4.3	24
50	New Ni(II) 1,2-bis(diphenylphosphino)ethane dithiolates: crystallographic, computational and Hirshfeld surface analyses. <i>CrystEngComm</i> , <b>2015</b> , 17, 9175-9184	3.3	40
49	Silver(I) complexes as efficient source for silver oxide nanoparticles with catalytic activity in A3 coupling reactions. <i>Inorganica Chimica Acta</i> , <b>2015</b> , 438, 255-263	2.7	25
48	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> , <b>2015</b> , 150, 652-6	4.4	14

47	Comparison of optical and photovoltaic properties of ZnO chemically synthesized by using different hydrolyzing agents. <i>Journal of Solid State Electrochemistry</i> , <b>2015</b> , 19, 161-168	2.6	4
46	Dye-Sensitized Solar Cells with Biferrocenyl Antennae Having Quinoxaline Spacers. <i>European Journal of Inorganic Chemistry</i> , <b>2015</b> , 2015, 3700-3707	2.3	25
45	Synthesis and characterization of tris(triphenylphosphane)copper(I) nitrate dimer and its applications as precursor of copper oxide nanorods. <i>Inorganica Chimica Acta</i> , <b>2014</b> , 411, 102-105	2.7	1
44	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> , <b>2014</b> , 81, 367-77	6.8	12
43	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> , <b>2014</b> , 415, 69-74	2.7	33
42	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–O and C–S cross-coupling reactions. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 4267-4274	3.6	9
41	Light harvesting properties of ferrocenyl based sensitizer with sulfur rich dithiocarbamates and xanthate as anchoring group. <i>Solar Energy</i> , <b>2014</b> , 108, 560-569	6.8	26
40	Base mediated synthesis of $\beta$ -aminated aroyl/acetylnaphthalenes through [4+2] annulations. <i>Tetrahedron</i> , <b>2014</b> , 70, 8879-8884	2.4	10
39	Syntheses, characterization, and structural studies of copper(I) complexes containing 1,1'-Bis(di-tert-butylphosphino)ferrocene (dtbpf) and their application in palladium-catalyzed Sonogashira coupling of aryl halides. <i>Dalton Transactions</i> , <b>2014</b> , 43, 13620-9	4.3	18
38	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> , <b>2014</b> , 4, 34110-34116	3.7	9
37	Syntheses, characterization, and electrochemistry of compounds containing 1-diphenylphosphino-1'-(di-tert-butylphosphino)ferrocene (dppdtbpf). <i>Journal of Organometallic Chemistry</i> , <b>2014</b> , 772-773, 202-209	2.3	13
36	9,10-Dihydro-8H-11-oxa-cyclohepta[a]naphthalen-7-one: Crystallographic, Computational and Hirshfeld Surface Analysis. <i>Journal of Chemical Crystallography</i> , <b>2014</b> , 44, 360-367	0.5	1
35	Synthesis, spectral and structural studies of silver and gold(I) complexes containing some symmetrical diphosphine ligands. <i>Journal of Organometallic Chemistry</i> , <b>2014</b> , 758, 9-18	2.3	5
34	Morphological Variation in Nickel Sulfide Using Diversified Sulfur Sources and Its Magnetic Behavior. <i>Materials Focus</i> , <b>2014</b> , 3, 200-204		3
33	Synthesis of 1-amino-2-aryyl/acetylnaphthalenes through a base mediated one pot inter and intramolecular C-C bond formation strategy. <i>Organic and Biomolecular Chemistry</i> , <b>2014</b> , 12, 4730-7	3.9	6
32	Conducting properties of new heterometallic one-dimensional coordination polymers derived from 1-nitroethylene-2,2-dithiolate (NED <sub>2</sub> ) ligand and their I <sub>2</sub> -doped products. <i>Synthetic Metals</i> , <b>2013</b> , 176, 65-69	3.6	1
31	A thiocyanato-bridged copper(I) cubane complex and its application in palladium-catalyzed Sonogashira coupling of aryl halides. <i>Dalton Transactions</i> , <b>2013</b> , 42, 12849-52	4.3	10
30	Synthesis, characterization and light harvesting properties of nickel(II) diimine dithiolate complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2013</b> , 115, 106-10	4.4	14

29	Partially reduced thiochromene based oxathiahelicenes: crystallographic, computational and Hirschfeld surface analyses. <i>CrystEngComm</i> , <b>2013</b> , 15, 7019	3.3	16
28	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> , <b>2013</b> , 69, 4857-4865	2.4	12
27	Direct alkenylation of indolin-2-ones by 6-aryl-4-methylthio-2H-pyran-2-one-3-carbonitriles: a novel approach. <i>Beilstein Journal of Organic Chemistry</i> , <b>2013</b> , 9, 809-17	2.5	5
26	Synthesis, characterization and calculated non-linear optical properties of two new chalcones. <i>Journal of Molecular Structure</i> , <b>2012</b> , 1017, 26-31	3.4	33
25	Metal-free synthesis of nitrile based partially reduced thia-and oxa-thia[5]helicenes: conformation and dynamics. <i>RSC Advances</i> , <b>2012</b> , 2, 1557-1564	3.7	11
24	Non-catalytic approach to the synthesis of partially reduced $\Gamma$ Tshaped dioxathia- and oxadithiahelicenes through base induced inter- and intramolecular C-C bond formation. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 605-13	3.9	15
23	Bicyclic ketone mediated synthesis of oxygenated aromatic systems. <i>RSC Advances</i> , <b>2012</b> , 2, 2688	3.7	3
22	Synthesis of diosgenin p-nitrobenzoate by Steglich method, its crystal structure and quantum chemical studies. <i>Journal of Molecular Structure</i> , <b>2012</b> , 1028, 88-96	3.4	9
21	Sequential approach to the synthesis of $\Gamma$ U and ZTshaped polycyclic heteroarenes. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 4977-86	3.9	9
20	A carbanion induced ring switching synthesis of spiranes: an unprecedented approach. <i>RSC Advances</i> , <b>2012</b> , 2, 9091	3.7	10
19	New pentamethylene-bridged bis-imidazolium dication ligands and its palladium(II) complexes: Synthesis, characterization, and catalysis. <i>Inorganica Chimica Acta</i> , <b>2012</b> , 383, 118-124	2.7	1
18	Polyoxomolybdate(VI) anion stabilized by ammonium cation via CS <sub>2</sub> elimination from N-benzyl-N-methylferrocenyl dithiocarbamate. <i>Journal of Coordination Chemistry</i> , <b>2012</b> , 65, 431-438	1.6	7
17	The interplay of secondary Hg <sup>2+</sup> S, Hg <sup>2+</sup> N and Hg <sup>2+</sup> l bonding interactions in supramolecular structures of phenylmercury(II) dithiocarbamates. <i>CrystEngComm</i> , <b>2011</b> , 13, 6817	3.3	45
16	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> , <b>2011</b> , 376, 549-556	2.7	20
15	Application of $\Gamma$ extended ferrocene with varied anchoring groups as photosensitizers in TiO <sub>2</sub> -based dye-sensitized solar cells (DSSCs). <i>Chemistry - an Asian Journal</i> , <b>2011</b> , 6, 1525-32	4.5	39
14	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> , <b>2011</b> , 994, 29-38	3.4	13
13	A combined experimental and computational investigation on Tetrakis- $\Gamma$ acetato-bis(acetamido)dicopper(II) and its application as a single source precursor for copper oxide. <i>Inorganic Chemistry Communication</i> , <b>2011</b> , 14, 920-924	3.1	5
12	Efficient phenylmercury(II) methylferrocenyldithiocarbamate functionalized dye-sensitized solar cells. <i>Dalton Transactions</i> , <b>2010</b> , 39, 9779-88	4.3	58

11	Syntheses, crystal, photoluminescence and electrochemical investigation of some new phenylmercury(II) dithiocarbamate complexes involving ferrocene. <i>Dalton Transactions</i> , <b>2010</b> , 39, 2667-753	4.3	47
10	Synthesis, structure and light-harvesting properties of some new transition-metal dithiocarbamates involving ferrocene. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 4307-14	4.8	108
9	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> , <b>2010</b> , 695, 1722-1728	2.3	9
8	Synthesis, Structure, Conductivity, and Calculated Nonlinear Optical Properties of Two Novel Bis(triphenylphosphane)copper(I) Dithiocarbamates. <i>European Journal of Inorganic Chemistry</i> , <b>2009</b> , 2009, 2720-2725	2.3	36
7	Synthesis, structure and calculated NLO properties of [(n-Bu) <sub>2</sub> Sn-ED-EDH-Sn(n-Bu) <sub>2</sub> (CH <sub>3</sub> CO <sub>2</sub> )] <sub>2</sub> and its putative derivatives. <i>Inorganic Chemistry Communication</i> , <b>2009</b> , 12, 686-690	3.1	8
6	Organoheterobimetallic cyanodithioimidocarbonates and their I <sub>2</sub> -doped products: Synthesis, characterization and conducting properties. <i>Synthetic Metals</i> , <b>2008</b> , 158, 442-446	3.6	12
5	Syntheses, crystal and molecular structures, and properties of some new phenylmercury(II) dithiolate complexes. <i>Dalton Transactions</i> , <b>2008</b> , 4999-5007	4.3	44
4	Monoclinic modification of 1,1,3,3,5,5-hexa-methyl-cyclo-1,3,5-tris-tannathiane. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2007</b> , 64, m115		2
3	Ferrocenyl-2-pyridylimine derived d 10 -configuration complexes as prospective co-sensitizers in dye sensitized solar cells. <i>Applied Organometallic Chemistry</i> ,	3.1	4
2	Biomedical applications of metal-organic framework (MOF)-based nano-enzymes. <i>New Journal of Chemistry</i> ,	3.6	8
1	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> , e6402	3.1	3