

# Haq Nawaz Sheikh

## 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.

72  
papers

473  
citations

11  
h-index

17  
g-index

74  
ext. papers

622  
ext. citations

2.5  
avg, IF

4.01  
L-index

#	Paper	IF	Citations
72	Solvothermal synthesis and crystal structures of two Holmium(III)-5-Hydroxyisophthalate entangled coordination polymers and theoretical studies on the importance of $\pi$ -stacking interactions. <i>Journal of Molecular Structure</i> , <b>2022</b> , 1254, 132329	3.4	1
71	Hybrid photoluminescent material from lanthanide fluoride and graphene oxide with strong luminescence intensity as a chemical sensor for mercury ions. <i>New Journal of Chemistry</i> , <b>2022</b> , 46, 6528-6538	3.6	0
70	Lanthanide coordination polymers functionalized by 5-nitroisophthalic acid: Synthesis, structure-DFT correlation and photoluminescent sensor of Cd <sup>2+</sup> ion. <i>Journal of Solid State Chemistry</i> , <b>2022</b> , 123229	3.3	1
69	Asparagine modified downconversion NaGdF <sub>4</sub> :Dy <sup>3+</sup> /Tb <sup>3+</sup> nanophosphor for selective and sensitive detection of Cu(II) ion. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 15392-15404	3.6	2
68	Citric acid-assisted terbium-doped cerium molybdate nanoparticles as photoluminescent probe for selective and sensitive detection of Pb <sup>2+</sup> ion in aqueous solution. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 26821	2.1	1
67	Solvothermal self assembly of three lanthanide(III)-succinates: Crystal structure, topological analysis and DFT calculations on water channel. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1245, 131094	3.4	2
66	PEI functionalized NaCeF <sub>4</sub> :Tb/Eu for photoluminescence sensing of heavy metal ions and explosive aromatic nitro compounds.. <i>RSC Advances</i> , <b>2021</b> , 11, 19333-19350	3.7	3
65	Synthesis of eight isostructural 2D lanthanide coordination polymers assembled by rigid furan-2,5-dicarboxylic acid and flexible adipic acid as linkers and exploration of luminescent Eu/Tb polymers as efficient and sensitive sensors for nitroaromatic compounds. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 8125-8137	3.6	9
64	Coordination polymers of manganese(II), cobalt(II), nickel(II) and cadmium(II) decorated with rigid pyrazine-2,3-dicarboxylic acid linker: Synthesis, structural diversity, DFT study and magneto-luminescence properties. <i>Polyhedron</i> , <b>2020</b> , 187, 114629	2.7	5
63	An efficient down conversion luminescent probe based on a NaGdF <sub>4</sub> :Eu <sup>3+</sup> /Ce <sup>3+</sup> nanophosphor for chemical sensing of heavy metal ions (Cd <sup>2+</sup> , Pb <sup>2+</sup> and Cr <sup>3+</sup> ) in waste water. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 1009-1020	3.6	10
62	A down converting serine-functionalised NaYF <sub>4</sub> :Ce <sup>3+</sup> /Gd <sup>3+</sup> /Eu <sup>3+</sup> @NaGdF <sub>4</sub> :Tb <sup>3+</sup> photoluminescent probe for chemical sensing of explosive nitroaromatic compounds. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 19908-19923	3.6	3
61	Lanthanide Contraction in Action: Structural Variations in 13 Lanthanide(III) Thiophene-2,5-dicarboxylate Coordination Polymers (Ln = La, Lu, Except Pm and Tm) Featuring Magnetocaloric Effect, Slow Magnetic Relaxation, and Luminescence-Lifetime-based Thermometry. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 6430-6452	3.5	16
60	Magnetic, luminescence, topological and theoretical studies of structurally diverse supramolecular lanthanide coordination polymers with flexible glutaric acid as a linker. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 14546-14564	3.6	15
59	Hydrothermal synthesis of manganese oxide and nitrogen doped graphene (NG-MnO <sub>2</sub> ) nanohybrid for visible light degradation of methyl orange dye. <i>Molecular Physics</i> , <b>2019</b> , 117, 2477-2486	1.7	4
58	A Series of Lanthanide-Based Metal-Organic Frameworks Derived from Furan-2,5-dicarboxylate and Glutarate: Structure-Corroborated Density Functional Theory Study, Magnetocaloric Effect, Slow Relaxation of Magnetization, and Luminescent Properties. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 7760-7774	5.1	42
57	Tuning of photoluminescence intensity of europium doped sodium yttrium fluorides synthesized via hydrothermal route. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 14256-14268	2.1	6
56	Nitrogen-doped graphene-cerium oxide (NG-CeO <sub>2</sub> ) photocatalyst for the photodegradation of methylene blue in waste water. <i>Journal of the Chinese Chemical Society</i> , <b>2019</b> , 66, 467-473	1.5	10

55	2,5-Furandicarboxylic acid as a linker for lanthanide coordination polymers: the role of heteroaromatic $\pi$ -stacking and hydrogen bonding. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 2179-2195	3.6	25
54	Hydrothermal synthesis of magnetic Fe <sub>3</sub> O <sub>4</sub> /nitrogen-doped graphene hybrid composite and its application as photocatalyst in degradation of methyl orange and methylene blue dyes in presence of copper (II) ions. <i>Chemical Papers</i> , <b>2018</b> , 72, 1181-1192	1.9	9
53	Additive assisted hydrothermal synthesis, characterization and optical properties of one dimensional DyPO <sub>4</sub> :Ce <sup>3+</sup> nanostructures. <i>Solid State Sciences</i> , <b>2018</b> , 79, 58-70	3.4	2
52	A series of 3D lanthanide coordination polymers decorated with a rigid 3,5-pyridinedicarboxylic acid linker: syntheses, structural diversity, DFT study, Hirshfeld surface analysis, luminescence and magnetic properties. <i>Dalton Transactions</i> , <b>2018</b> , 47, 12318-12336	4.3	33
51	Solvothermal Synthesis of ZnO-Nitrogen Doped Graphene Composite and its Application as Catalyst for Photodegradation of Organic Dye Methylene Blue. <i>Acta Chimica Slovenica</i> , <b>2018</b> , 65, 319-327	1.9	4
50	Studies on hydrothermal synthesis of photoluminescent rare earth (Eu <sup>3+</sup> & Tb <sup>3+</sup> ) doped NG@FeMoO <sub>4</sub> for enhanced visible light photodegradation of methylene blue dye. <i>Solid State Sciences</i> , <b>2018</b> , 76, 38-47	3.4	18
49	Organic additive assisted hydrothermal synthesis and photoluminescence properties of CeF <sub>3</sub> :Tb <sup>3+</sup> and NaCeF <sub>4</sub> :Tb <sup>3+</sup> nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 11671-11681	2.1	5
48	Supramolecular coordination polymers of La(III), Ce(III), Sm(III), Gd(III) and Eu(III) decorated with rigid 5-hydroxy-1,3-benzenedicarboxylate and flexible hexane-1,6-dicarboxylate linkers: Syntheses, structures, DFT study, luminescence and magnetic properties. <i>Polyhedron</i> , <b>2017</b> , 134, 153-165	2.7	4
47	Surfactant-assisted sacrificial template-mediated synthesis, characterization and photoluminescent properties of (hbox {LaPO}_{4}):hbox {Eu}^{3+}) phosphor. <i>Journal of Chemical Sciences</i> , <b>2017</b> , 129, 753-764	1.8	1
46	Facile hydrothermal synthesis of nanocomposites of nitrogen doped graphene with metal molybdates (NG-MMoO <sub>4</sub> ) (M=Mn, Co, and Ni) for enhanced photodegradation of methylene blue. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 9423-9434	2.1	11
45	Solvothermal synthesis and structure of coordination polymers of Nd(III) and Dy(III) with rigid isophthalic acid derivatives and flexible adipic acid. <i>Journal of Molecular Structure</i> , <b>2017</b> , 1150, 438-446	3.4	11
44	Self-assembly of coordination polymers of Pr(III), Nd(III), Tb(III), Dy(III) and Ho(III) with 5-hydroxyisophthalic acid and adipic acid: Syntheses, structures, porosity, luminescence and magnetic properties. <i>Journal of Solid State Chemistry</i> , <b>2017</b> , 255, 61-69	3.3	19
43	Nitrogen Doped Graphene Nickel Ferrite Magnetic Photocatalyst for the Visible Light Degradation of Methylene Blue. <i>Acta Chimica Slovenica</i> , <b>2017</b> , 64, 170-178	1.9	9
42	Green hydrothermal synthesis and optical properties of $\text{Gd}_2\text{S}_3$ nanoparticles. <i>Applied Nanoscience (Switzerland)</i> , <b>2016</b> , 6, 653-658	3.3	2
41	Synthesis and structure of coordination polymers of praseodymium(III) and erbium(III) with hydrogen maleate and benzene-1,3-disulfonate as linkers. <i>Monatshefte für Chemie</i> , <b>2016</b> , 147, 349-357	1.4	3
40	Sacrificial template synthesis and characterization of photoluminescent silver sulfide nanochains. <i>Monatshefte für Chemie</i> , <b>2016</b> , 147, 665-670	1.4	
39	Synthesis and characterization of isothiocyanato complexes of dioxotungsten(VI) with mannich base ligands: Precursors for the preparation of pure phase nanosized tungsten(VI) trioxide: Dioxotungsten(VI) isothiocyanato complexes with mannich bases: precursors for WO <sub>3</sub> . <i>Journal of Saudi Chemical Society</i> , <b>2016</b> , 20, 291-302	4.3	2
38	Syntheses, Crystal Structure, Luminescence, Porosity and Magnetic Properties of Three-Dimensional Lanthanide Coordination Polymers with 2-Aminoterephthalic Acid. <i>ChemistrySelect</i> , <b>2016</b> , 1, 4489-4501	1.8	6

37	Hydrothermal synthesis, characterization and luminescent properties of lanthanide-doped NaLaF <sub>4</sub> nanoparticles. <i>Bulletin of Materials Science</i> , <b>2016</b> , 39, 943-952	1.7	14
36	Synthesis and characterization of bi-functional magneto-luminescent Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> @NaLuF <sub>4</sub> :Eu <sup>3+</sup> hybrid core/shell nanospheres. <i>Journal of Chemical Sciences</i> , <b>2016</b> , 128, 1149-1155	1.8	3
35	BaLaF <sub>5</sub> , BaLaF <sub>5</sub> :Eu <sup>3+</sup> , BaLaF <sub>5</sub> :Eu <sup>3+</sup> /Tb <sup>3+</sup> and BaLaF <sub>5</sub> :Eu <sup>3+</sup> @BaLaF <sub>5</sub> :Gd <sup>3+</sup> core/shell nanoplates: hydrothermal synthesis, luminescence and magnetic properties. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 4084-4092	2.1	1
34	Surfactant mediated hydrothermal synthesis, characterization and luminescent properties of GdPO <sub>4</sub> :Ce <sup>3+</sup> /Tb <sup>3+</sup> @GdPO <sub>4</sub> core shell nanorods. <i>Materials Research Bulletin</i> , <b>2016</b> , 80, 150-158	5.1	9
33	Synthesis, Structural and Optical Characterization of Copper and Rare Earth doped CdS Nanoparticles. <i>Acta Chimica Slovenica</i> , <b>2016</b> , 63, 104-12	1.9	6
32	Solvothermal synthesis and structure of 3D frameworks of Nd(III) and Y(III) with thiophene-2,5-dicarboxylate and N,N'-diethylformamide. <i>Journal of Molecular Structure</i> , <b>2016</b> , 1118, 241-249	3.4	4
31	Lanthanide-based entangled coordination polymers connected by thiophene-2,5-dicarboxylate: solvothermal syntheses, crystal structures, luminescence and magnetic properties. <i>CrystEngComm</i> , <b>2016</b> , 18, 3617-3634	3.3	19
30	Synthesis, characterization and optical properties of cobalt and lanthanide doped CdS nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2015</b> , 26, 7073-7080	2.1	13
29	Synthesis, crystal structure, and porosity of 1D coordination polymer of neodymium(III) with isonicotinic acid and dimeric complex of neodymium(III) with nicotinic acid. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , <b>2015</b> , 41, 469-480	1.6	3
28	Solvent induced synthesis, structure and properties of coordination polymers based on 5-hydroxyisophthalic acid as linker and 1,10-phenanthroline as auxiliary ligand. <i>Journal of Solid State Chemistry</i> , <b>2015</b> , 231, 239-247	3.3	8
27	Hydrothermal synthesis, structure, porosity, and luminescent properties of 3D coordination polymer of holmium with 1,4-phenylenediacetic acid [Ho <sub>2</sub> (PDA) <sub>3</sub> (H <sub>2</sub> O)] <sub>n</sub> · nH <sub>2</sub> O. <i>Monatshefte für Chemie</i> , <b>2015</b> , 146, 47-55	1.4	2
26	Surfactant Assisted Sonochemical Synthesis and Characterization of Gadolinium Doped Zinc Oxide Nanoparticles. <i>Acta Chimica Slovenica</i> , <b>2015</b> , 62, 849-58	1.9	9
25	Hydrothermal synthesis, structure, and porosity studies of coordination polymer [Na <sub>2</sub> (H <sub>2</sub> O) <sub>8</sub> Cu(pydc) <sub>2</sub> ] <sub>n</sub> . <i>Monatshefte für Chemie</i> , <b>2014</b> , 145, 447-455	1.4	2
24	Synthesis, crystal structure, photoluminescence, and DFT studies of bis(1,10-phenanthroline)di(μ <sub>2</sub> -ONitrate)cadmium(II) [Cd(phen) <sub>2</sub> (NO <sub>3</sub> ) <sub>2</sub> ]. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 129, 392-9	4.4	5
23	Synthesis and Crystal Structure of Coordination Polymers of Yttrium and Holmium with Hydrogen Succinate and Benzene-1,3-disulphonate. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2014</b> , 24, 1077-1085	3.2	8
22	Synthesis and characterization of peroxy complexes of uranium(VI) with aroylhydrazone ligands. <i>Journal of Saudi Chemical Society</i> , <b>2014</b> , 18, 494-501	4.3	2
21	Hydrothermal Synthesis, Crystal Structure and Characterization of New Coordination Polymer [Co <sub>2</sub> (pydc) <sub>2</sub> (H <sub>2</sub> O) <sub>6</sub> ] <sub>n</sub> · nH <sub>2</sub> O. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2013</b> , 23, 897-906	3.2	4
20	Room temperature aqueous phase synthesis and characterization of novel nano-sized coordination polymers composed of copper(II), nickel(II), and zinc(II) metal ions with p-phenylenediamine (PPD) as the bridging ligand. <i>Journal of Nanostructure in Chemistry</i> , <b>2013</b> , 3, 1	7.6	12

19	Hydrothermal synthesis and crystal structure of a supramolecular dinuclear cobalt(II) complex containing the dianion of pyridine-2,6-dicarboxylic acid. <i>Monatshefte Für Chemie</i> , <b>2013</b> , 144, 1807-1813	1.4	1
18	Synthesis and characterization of peroxy complexes of uranium(VI) with some Mannich base ligands. <i>Monatshefte Für Chemie</i> , <b>2012</b> , 143, 91-99	1.4	3
17	Peroxy complexes of uranium(VI) containing nitrogen and oxygen donor ligands. <i>Russian Journal of Inorganic Chemistry</i> , <b>2012</b> , 57, 1079-1088	1.5	
16	Synthesis and Characterization of Nanocomposites of Mixed Oxides of Iron and Cerium in a Polymer Matrix. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , <b>2012</b> , 42, 892-901		1
15	Hydrothermal synthesis and crystal structure of novel bis(6-carboxypyridine-2-carboxylato- $\lambda^2$ -O,N,O6)nickel(II) trihydrate, Ni(Hpydc) $_2$ ·3H $_2$ O. <i>Acta Crystallographica Section B: Structural Science</i> , <b>2012</b> , 68, 619-24		4
14	Synthesis and Characterization of Group-6 Metal Carbonyl Complexes of Aroyl Hydrazone Derivatives. <i>E-Journal of Chemistry</i> , <b>2012</b> , 9, 807-817		4
13	Sonochemical synthesis of a novel nanorod diaqua(pyridine-2,6-dicarboxylato)copper(II) 3-D supramolecular network: new precursor to prepare pure phase nanosized copper(II) oxide. <i>Journal of Coordination Chemistry</i> , <b>2012</b> , 65, 3917-3931	1.6	10
12	Synthesis and characterization of composites of mixed oxides of iron and neodymium in polymer matrix of aniline-formaldehyde. <i>Bulletin of Materials Science</i> , <b>2011</b> , 34, 843-851	1.7	4
11	Diperoxy Complexes of Vanadium(V) Containing Mannich Base Ligands. <i>Chinese Journal of Chemistry</i> , <b>2011</b> , 29, 53-58	4.9	1
10	Dinuclear peroxy complexes of molybdenum(VI) containing Mannich base ligands. <i>Journal of Coordination Chemistry</i> , <b>2010</b> , 63, 3256-3267	1.6	3
9	Peroxy Complexes of Molybdenum(VI) Containing Mannich Base Ligands. <i>Chinese Journal of Chemistry</i> , <b>2009</b> , 27, 311-316	4.9	5
8	Magnetic nanocomposites of mixed oxides of iron and barium synthesized under different oxidative environments. <i>Inorganic Materials</i> , <b>2008</b> , 44, 990-1008	0.9	
7	Synthesis and characterization of oxodiperoxy complexes of tungsten(VI) with some Mannich base ligands. <i>Journal of Coordination Chemistry</i> , <b>2008</b> , 61, 426-434	1.6	6
6	Mixed ligand complexes of tungsten(VI) containing aroyl hydrazones and isothiocyanate. <i>Journal of Coordination Chemistry</i> , <b>2008</b> , 61, 2334-2339	1.6	2
5	Preparation and characterization of oxoperoxy tungsten(VI) complexes with morpholinomethyl urea and related ligands. <i>Russian Journal of Inorganic Chemistry</i> , <b>2007</b> , 52, 197-202	1.5	
4	Dipyridinium tetraisothiocyanatodioxotungstate(VI) and related compounds. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , <b>2007</b> , 33, 272-278	1.6	1
3	Synthesis and characterization of tungsten carbonyl complexes containing N-methyl substituted urea and thiourea ligands. <i>Journal of Coordination Chemistry</i> , <b>2007</b> , 60, 1395-1402	1.6	1
2	Synthesis and characterization of some oxodiperoxy molybdenum(VI) complexes of Morpholinomethyl urea and related ligands. <i>Russian Journal of Inorganic Chemistry</i> , <b>2006</b> , 51, 724-727	1.5	8

- 1 Synthesis and characterization of cyano complexes of oxotungsten(IV) with morpholinomethyl urea and related ligands. *Russian Journal of Inorganic Chemistry*, **2006**, 51, 1445-1450 1.5