

Chittaranjan Sinha

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#	Paper	IF	Citations
298	Chemistry of Azoimidazoles: Synthesis, Spectral Characterization, Electrochemical Studies, and X-ray Crystal Structures of Isomeric Dichloro Bis[1-alkyl-2-(arylazo)imidazole] Complexes of Ruthenium(II). <i>Inorganic Chemistry</i> , 1998 , 37, 1672-1678	5.1	168
297	Self-poled transparent and flexible UV light-emitting cerium complex-PVDF composite: a high-performance nanogenerator. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 1298-307	9.5	110
296	Zn(II)-azide complexes of diimine and azoimine functions: Synthesis, spectra and X-ray structures. <i>Polyhedron</i> , 2006 , 25, 2333-2340	2.7	110
295	Photochromism of 2-(phenylazo)imidazoles. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 8064-9	2.8	95
294	Photoisomerization and thermal isomerization of arylazoimidazoles. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 1403-9	2.8	87
293	Chemistry of azoimidazoles: synthesis, spectral characterization and redox properties of bis(N(1)-alkyl-2-(arylazo)imidazole) copper (I) and silver(I) complexes. <i>Polyhedron</i> , 1997 , 16, 4163-4170	2.7	71
292	A new resin containing benzimidazolylazo group and its use in the separation of heavy metals. <i>Talanta</i> , 1999 , 48, 1013-22	6.2	66
291	Chemistry of azopyrimidines. Part II. Synthesis, spectra, electrochemistry and X-ray crystal structures of isomeric dichloro bis[2-(arylazo)pyrimidine] complexes of ruthenium(II). <i>Polyhedron</i> , 1999 , 18, 2869-2878	2.7	65
290	Platinum(IV)-azobenzene cyclometalation products and related species. <i>Organometallics</i> , 1991 , 10, 1135-1139	3.1	63
289	A New Alternating Ferro-Antiferromagnetic One-Dimensional Azido-Bridged (Arylazoimidazole)manganese(II), [Mn(TaiEt)(N ₃) ₂] _n [TaiEt = 1-Ethyl-2-(p-tolylazo)imidazole], Exhibiting Bulk Weak Ferromagnetic Long-Range Ordering. <i>European Journal of Inorganic Chemistry</i> , 2004 , 2004, 250-259	2.3	61
288	Supramolecular Aggregate of Cadmium(II)-Based One-Dimensional Coordination Polymer for Device Fabrication and Sensor Application. <i>Inorganic Chemistry</i> , 2019 , 58, 2686-2694	5.1	57
287	Heteroleptic tris-chelates of ruthenium(II)-bipyridine-arylazoimidazoles: Synthesis, spectral characterisation and electrochemical properties. Single crystal X-ray structure of [(2,2'-bipyridine)-bis-{1-methyl-2-(p-tolylazo)imidazole}ruthenium(II)] perchlorate. <i>Dalton Transactions RSC</i> , 2001 , 2825-2832		57
286	Aromatic hydroxylation via cyclometalation. Metaloxylation of palladated 2-(alkylsulfinyl)azobenzenes. <i>Inorganic Chemistry</i> , 1988 , 27, 1173-1178	5.1	56
285	2D Extended supramolecular structures via π -interactions of 1D coordination polymers of cadmium(II) complexes of arylazoimidazole using azido and thiocyanato bridging ligands. <i>Polyhedron</i> , 2004 , 23, 1669-1676	2.7	55
284	Photochemical Structural Transformation of a Linear 1D Coordination Polymer Impacts the Electrical Conductivity. <i>Inorganic Chemistry</i> , 2018 , 57, 8029-8032	5.1	55
283	Naphthylazoimidazole and mercury(II) complexes. Single crystal X-ray structure of 1-ethyl-2-(naphthylazo)imidazolium hexafluorophosphate. <i>Polyhedron</i> , 2003 , 22, 1367-1376	2.7	52
282	Vanillinyl thioether Schiff base as a turn-on fluorescence sensor to Zn ²⁺ ion with living cell imaging. <i>Sensors and Actuators B: Chemical</i> , 2016 , 228, 287-294	8.5	50

281	Mono- and binuclear cobalt(II)-azido complexes of arylazoimidazole: synthesis, spectral characterization, electrochemistry and crystal structure. <i>Polyhedron</i> , 2003 , 22, 2587-2594	2.7	50
280	Cyclopalladation versus hydroxylation. A case of pH dependence. <i>Journal of Organometallic Chemistry</i> , 2001 , 629, 28-38	2.3	50
279	Chemistry of azopyrimidines. <i>Polyhedron</i> , 1999 , 18, 1909-1915	2.7	50
278	Polyaniline-multiwalled carbon nanotube (PANI-MWCNT): Room temperature resistive carbon monoxide (CO) sensor. <i>Synthetic Metals</i> , 2018 , 245, 182-189	3.6	50
277	Copper coordination compounds of chelating imidazole-azo-aryl ligand. The molecular structures of bis[1-ethyl-2-(p-tolylazo)imidazole]-bis-(azido)copper(II) and bis[1-methyl-2-(phenylazo)imidazole]-bis(thiocyanato)copper(II). <i>New Journal of Chemistry</i> , 2004 , 28, 1437	3.6	49
276	Synthesis, spectral characterisation, redox studies of isomeric dichloro-bis-[1-alkyl-2-(naphthyl-azo)imidazole]ruthenium(II). Single crystal X-ray structure of blue-green dichloro-bis-[1-ethyl-2-(naphthyl-azo)imidazole] ruthenium(II). <i>Polyhedron</i> , 2001 , 20, 905-913	2.7	49
275	Facile regiospecific aromatic hydroxylation in palladium azopyridines and structural characterization of phenolato product. <i>Polyhedron</i> , 1994 , 13, 999-1003	2.7	47
274	Synthesis and characterization of cobalt(II), nickel(II), copper(II), palladium(II) and dioxouranium(VI) complexes of the antipyrine Schiff base of 3-formylsalicylic acid. <i>Transition Metal Chemistry</i> , 2005 , 30, 523-526	2.1	45
273	Arylazoimidazoleplatinum(II) complexes and their dioxolene derivatives: single crystal X-ray structure of (catecholato){1-ethyl-2-(p-tolylazo)-imidazole}platinum(II). <i>Inorganica Chimica Acta</i> , 2001 , 313, 21-29	2.7	44
272	Copper(I) azoimidazoles: a comparative account on the structure and electronic properties of copper(I) complexes of 1-methyl-2-(phenylazo)imidazole and 1-alkyl-2-(naphthyl-azo)imidazoles. <i>Polyhedron</i> , 2003 , 22, 247-255	2.7	43
271	Structural characterization of new Schiff bases of sulfamethoxazole and sulfathiazole, their antibacterial activity and docking computation with DHPS protein structure. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 150, 268-79	4.4	42
270	Copper(II) complexes of thioether containing an azoimidazolyl system. X-ray structure of Cu(SEtaaiNEt)Cl ₂ (SEtaaiNEt=1-ethyl-2-((o-thioethyl)phenylazo)imidazole). <i>Polyhedron</i> , 2006 , 25, 1299-1306	2.7	42
269	A Bis(azo-imine)palladium(II) System with 10 Ligand pi Electrons. Synthesis, Structure, Serial Redox, and Relationship to Bis(azooximates) and Other Species. <i>Inorganic Chemistry</i> , 1996 , 35, 2442-2447	5.1	42
268	Intercatenated Coordination Polymers (ICPs) of Carboxylato Bridged Zn(II)-Isoniazid and Their Electrical Conductivity. <i>Crystal Growth and Design</i> , 2017 , 17, 3267-3276	3.5	41
267	Synthesis, spectral characterization and electrochemical studies of mixed-ligand complexes of platinum(II) with 2-(arylazo)pyridines and catechols. Single-crystal X-ray structure of dichloro[2-(phenylazo)pyridine]platinum(II). <i>Polyhedron</i> , 2001 , 20, 363-372	2.7	41
266	Synthesis, spectral and electrochemical properties of 1-alkyl-2-(naphthyl-azo)imidazole complexes of platinum(II) and the reaction with pyridine bases. Single-crystal X-ray structure of dichloro-[1-ethyl-2-(naphthyl-azo)imidazole]platinum(II). <i>Polyhedron</i> , 2000 , 19, 1263-1270	2.7	41
265	Synthesis, Structure, and Solution Equilibria of Diamagnetic and Paramagnetic Azooximates of Bivalent Platinum. Geometrical Change Associated with Ligand-Based Electroprotic Reactions. <i>Inorganic Chemistry</i> , 1994 , 33, 6140-6147	5.1	41
264	Chemistry of platinum(IV), platinum(II) and palladium(II) cyclometallates of benzylthio- or benzosulphonyl-substituted azobenzenes. <i>Journal of Organometallic Chemistry</i> , 1991 , 414, 421-431	2.3	41

263	Ruthenium(II) complexes of β -diimines: synthesis, spectral characterisation, electrochemical properties and single-crystal X-ray structure of bis(2,2'-bipyridine){1-benzyl-2-(p-tolylazo)imidazole}ruthenium(II) perchlorate. <i>Polyhedron</i> , 2000 , 19, 1925-1933	2.7	39
262	Synthesis, spectral and electrochemical studies of arylazopyridine complexes of palladium(II) with dioxolenes. <i>Polyhedron</i> , 1996 , 15, 3361-3369	2.7	39
261	Spectroscopic characterization, antimicrobial activity, DFT computation and docking studies of sulfonamide Schiff bases. <i>Journal of Molecular Structure</i> , 2017 , 1127, 557-567	3.4	37
260	Structure, photophysics, electrochemistry, DFT calculation, and in-vitro antioxidant activity of coumarin Schiff base complexes of Group 6 metal carbonyls. <i>Journal of Inorganic Biochemistry</i> , 2011 , 105, 577-88	4.2	37
259	Construction of a Succinate-Bridged Cd(II)-Based Two-Dimensional Coordination Polymer for Efficient Optoelectronic Device Fabrication and Explosive Sensing Application. <i>Crystal Growth and Design</i> , 2020 , 20, 765-776	3.5	35
258	Correlation between the dielectric and electrochemical properties of TiO ₂ -V ₂ O ₅ nanocomposite for energy storage application. <i>Electrochimica Acta</i> , 2018 , 266, 404-413	6.7	35
257	Halogen \cdots Halogen Interactions in the Supramolecular Assembly of 2D Coordination Polymers and the CO ₂ Sorption Behavior. <i>Crystal Growth and Design</i> , 2016 , 16, 5514-5519	3.5	35
256	Chemistry of azoimidazoles. Synthesis, spectral characterization and redox studies of N(1)-benzyl-2-(arylazo)imidazolepalladium(II)chloride. <i>Transition Metal Chemistry</i> , 1997 , 22, 172-175	2.1	35
255	A Novel Synthesis of the Graphene Oxide-Silver (GO-Ag) Nanocomposite for Unique Physiochemical Applications. <i>ACS Omega</i> , 2020 , 5, 5041-5047	3.9	34
254	Synthesis, spectral and electrochemical studies of 2-(arylazo)heterocycle complexes of zinc(II). Single-crystal X-ray structure of [Zn(papm)Cl ₂][CH ₃ OH] (papm=2-(phenylazo)pyrimidine). <i>Polyhedron</i> , 2001 , 20, 2253-2259	2.7	34
253	A visible light excitable chromone appended hydrazide chemosensor for sequential sensing of Al ³⁺ and Fe ³⁺ in aqueous medium and in Vero cells. <i>Sensors and Actuators B: Chemical</i> , 2018 , 257, 545-552	8.5	33
252	Synthesis of a Cd(II) based 1D coordination polymer by in situ ligand generation and fabrication of a photosensitive electronic device. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 1998-2005	6.8	33
251	Cation dependent charge transport in linear dicarboxylate based isotypical 1D coordination polymers. <i>RSC Advances</i> , 2017 , 7, 10369-10375	3.7	32
250	Coupling of Arylamines with Coordinated Arylazopyrimidines in Palladium(II) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2002 , 2002, 1124-1131	2.3	32
249	Difference in bonding behaviour of azide and thiocyanate to Hg(II)-azoimidazoles. <i>Inorganica Chimica Acta</i> , 2005 , 358, 1927-1933	2.7	32
248	Structures, redox behavior, antibacterial activity and correlation with electronic structure of the complexes of nickel triad with 3-(2-(alkylthio)phenylazo)-2,4-pentanedione. <i>Inorganica Chimica Acta</i> , 2011 , 370, 175-186	2.7	31
247	Synthesis, structure, spectroscopic properties, electrochemistry, and DFT correlative studies of N-[(2-pyridyl)methylidene]-6-coumarin complexes of Cu(I) and Ag(I). <i>Polyhedron</i> , 2011 , 30, 913-922	2.7	31
246	Fluorescence sensing and intracellular imaging of Al ³⁺ ions by using naphthalene based sulfonamide chemosensor: structure, computation and biological studies. <i>RSC Advances</i> , 2015 , 5, 73626-73638 ²⁹	3.7	29

245	Studies on the zinc(II)-azoimine system. Single-crystal X-ray structure of Zn(MeaaiMe)Cl ₂ H ₂ O and Zn(HaaiMe) ₂ (NCS) ₂ (MeaaiMe=1-methyl-2-(p-tolylazo)imidazole, HaaiMe=1-methyl-2-(phenylazo)imidazole). <i>Polyhedron</i> , 2003 , 22, 1213-1219	2.7	29
244	An efficient vanillinyl Schiff base as a turn on fluorescent probe for zinc(II) and cell imaging. <i>RSC Advances</i> , 2015 , 5, 48997-49005	3.7	28
243	Synthesis and structure of dimeric silver azooximates. Hydrogen bonding and nonbonded Ag...Ag interaction. <i>Inorganic Chemistry</i> , 2000 , 39, 2954-6	5.1	28
242	Copper-Azide-Thioarylazoimidazoles Structure, Spectra, Redox Properties, Magnetism and Theoretical Interpretation. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 311-321	2.3	27
241	Synthesis, spectral characterization and X-ray crystal structures of mercury(II)-azoimine compounds. <i>Polyhedron</i> , 2003 , 22, 1205-1212	2.7	27
240	Reaction of Ru(PPh ₃) ₃ Cl ₂ with 2-(aryloazo)pyrimidines. Spectral and redox characterisation of the products.. <i>Polyhedron</i> , 2001 , 20, 599-606	2.7	27
239	Synthesis and structure of binuclear thioazobenzene pallada-cycles and their reaction with m-chloroperbenzoic acid: Formation and structure of dinuclear azophenolates. <i>Journal of Organometallic Chemistry</i> , 1992 , 427, 111-123	2.3	27
238	Synthesis of a Zn(II)-based 1D zigzag coordination polymer for the fabrication of optoelectronic devices with remarkably high photosensitivity. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 1245-1252	6.8	26
237	Copper-thioarylazoimidazole complexes: Structures, photochromism and redox interconversion between Cu(II) <-> Cu(I) and correlation with DFT calculation. <i>Inorganica Chimica Acta</i> , 2010 , 363, 2955-2964	2.7	25
236	Silver(I) complexes of the naphthyl-azoimine function: single crystal X-ray structure of bis-[1-ethyl-2-(naphthyl-azo)imidazole]silver(I) perchlorate. <i>Polyhedron</i> , 2004 , 23, 793-800	2.7	25
235	Synthesis and structure of a thioazobenzene palladacycle: Oxygen insertion into the Pd-C bond by m-chloroperbenzoic acid. <i>Journal of Organometallic Chemistry</i> , 1992 , 439, 91-99	2.3	25
234	A fluorescence 'turn-on' chemodosimeter for the specific detection of Pd by a rhodamine appended Schiff base and its application in live cell imaging. <i>Dalton Transactions</i> , 2017 , 46, 9245-9252	4.3	24
233	Azoimidazole Complexes of Manganese(II)-thiocyanate. X-ray Structures of 2-(p-tolylazo)imidazole and Bis-[1-methyl-2-(p-tolylazo)imidazole]- Di-thiocyanato-manganese(II). <i>Transition Metal Chemistry</i> , 2006 , 31, 310-315	2.1	24
232	Synthesis and characterization of mononuclear and dinuclear zinc-arylazoimidazole complexes. single-crystal x-ray structure of [Zn(HaaiEt) ₄](ClO ₄) ₂ and [Zn(HaaiMe) (Et, 1-N ₃)(N ₃)] ₂ [HaaiEt = 1-ethyl-2-(phenylazo)imidazole; HaaiMe = 1-methyl-2-(phenylazo)imidazole]. <i>Journal of Coordination Chemistry</i> , 2004 , 57, 627-634	1.6	24
231	Imine-functionalized thioether Zn(II) turn-on fluorescent sensor and its selective sequential logic operations with H ₂ PO ₄ ⁻ DFT computation and live cell imaging. <i>RSC Advances</i> , 2016 , 6, 53378-53388	3.7	24
230	An azine-based carbothioamide chemosensor for selective and sensitive turn-on-off sequential detection of Zn(II) and HPO ₄ ²⁻ , live cell imaging and INHIBIT logic gate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 207, 164-172	4.4	24
229	Novel Porous Polycatenated Iodo-Cadmium Coordination Polymer for Iodine Sorption and Electrical Conductivity Measurement. <i>Crystal Growth and Design</i> , 2019 , 19, 2206-2218	3.5	23
228	Coumarinyl thioether Schiff base as a turn-on fluorescent Zn(II) sensor and the complex as chemosensor for the selective recognition of ATP, along with its application in whole cell imaging. <i>RSC Advances</i> , 2016 , 6, 76505-76513	3.7	23

227	Synthesis, structure, photochromism and DFT calculations of copper(I)-triphenylphosphine halide complexes of thioalkylazoimidazoles. <i>Polyhedron</i> , 2011 , 30, 614-623	2.7	23
226	Macrocyclic aza-crown chromogenic reagent to Al ³⁺ and fluorescence sensor for Zn ²⁺ and Al ³⁺ along with live cell application and logic operation. <i>Sensors and Actuators B: Chemical</i> , 2017 , 252, 257-267	8.5	22
225	Synthesis and structural characterization of a Cu(II)-based 1D coordination polymer and its application in Schottky devices. <i>New Journal of Chemistry</i> , 2017 , 41, 11317-11323	3.6	22
224	Ru(II) halide carbonyl complexes of naphthylazoimidazoles: Synthesis, spectra, electrochemistry, catalytic activity and electronic structure. <i>Journal of Organometallic Chemistry</i> , 2012 , 716, 129-137	2.3	22
223	Anion-directed structural diversity in the complexes of Cd(II)-arylazoimidazole: synthesis, spectral characterization and crystal structure. <i>Polyhedron</i> , 2003 , 22, 3161-3169	2.7	22
222	A multi-analyte responsive chemosensor vaniliny Schiff base: fluorogenic sensing of Zn(II), Cd(II) and Ni(II). <i>New Journal of Chemistry</i> , 2018 , 42, 16653-16665	3.6	22
221	Pyridylthioether-hydroxycoumarin Schiff base as selective Zn ²⁺ fluorescence sensor, application in live cell imaging and uses of resulting complex as secondary probe for ATP sensing. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 341, 97-107	4.7	21
220	Triply phenoxo bridged Eu(III) and Sm(III) complexes with 2,6-diformyl-4-methylphenol-di(benzoylhydrazone): structure, spectra and biological study in human cell lines. <i>New Journal of Chemistry</i> , 2015 , 39, 1101-1114	3.6	21
219	The sunlight-driven photosensitized effect of a 1D coordination polymer and the release of an elusive cyclobutane derivative. <i>Chemical Communications</i> , 2019 , 55, 11049-11051	5.8	21
218	Alcohol oxidation reactions catalyzed by ruthenium carbonyl complexes of thioarylazoimidazoles. <i>Applied Organometallic Chemistry</i> , 2014 , 28, 641-651	3.1	21
217	Thioether Bonded Nickel(II)-Azoimidazole Complexes: Structures, Spectra and Electrochemical Oxidation to the Nickel(III) State. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 3972-3981	2.3	21
216	Ruthenium(II) CO complexes of N-[(2-pyridyl)methylidene]-4-aminonaphthalene: Synthesis, spectral studies, crystal structure, redox properties and DFT calculation. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 4124-4133	2.3	21
215	Group 6 tetracarbonyl complexes of N-[(2-pyridyl)methylidene]-4-aminonaphthalene: Spectral characterization, electrochemistry, solvatochromism and photophysical studies. <i>Polyhedron</i> , 2007 , 26, 2433-2439	2.7	21
214	Supramolecular Assembly of a Zn(II)-Based 1D Coordination Polymer through Hydrogen Bonding and π - π Interactions: Crystal Structure and Device Applications. <i>ACS Omega</i> , 2018 , 3, 12060-12067	3.9	21
213	Doubly phenoxo-bridged Mn(II) (M = Cu(II), Ni(II)) complexes of tetradentate Schiff base: Structure, photoluminescence, EPR, electrochemical studies and DFT computation. <i>Polyhedron</i> , 2014 , 78, 62-71	2.7	20
212	Copper(II) complexes of thioarylazo-pentanedione: Structures, magnetism, redox properties and correlation with DFT calculations. <i>Polyhedron</i> , 2010 , 29, 3147-3156	2.7	20
211	Palladium(II) complexes of N-[(2-pyridyl)methylidene]-4-aminonaphthalene: Single crystal X-ray structure of di-chloro-N-[(2-pyridyl)methylidene]-4-aminonaphthalene palladium(II), Pd(NaiPy)Cl ₂ , spectra and DFT, TD-DFT study. <i>Polyhedron</i> , 2007 , 26, 4328-4344	2.7	20
210	Silver(I) helicates with 2-(arylazo)pyrimidines. Single crystal X-ray structure of {2-(phenylazo)pyrimidine}silver(I) nitrate. <i>Inorganic Chemistry Communication</i> , 2001 , 4, 269-273	3.1	20

209	Synthesis, spectroscopic properties, structural characterization and electrochemistry of mixed ligand complexes of copper(I) halide with PPh ₃ and naphthylazoimidazole. <i>Polyhedron</i> , 2010 , 29, 2098-2104	2.7	19
208	One-dimensional azido bridge [1-ethyl-2-(phenylazo)imidazole]manganese(II): Structure of low bridge angle system and magnetism. <i>Inorganica Chimica Acta</i> , 2006 , 359, 4660-4666	2.7	19
207	Two isostructural linear coordination polymers: the size of the metal ion impacts the electrical conductivity. <i>New Journal of Chemistry</i> , 2018 , 42, 10309-10316	3.6	19
206	Tuning of the para-position of pyridyl ligands impacts the electrical properties of a series of Cd(II) ladder polymers. <i>Dalton Transactions</i> , 2019 , 48, 11259-11267	4.3	18
205	Arylazoimidazole Coordinated and Naphthalene-Dicarboxylato Bridged Polymers of Co(II) and Photochromic Zn(II) Complexes. <i>Crystal Growth and Design</i> , 2018 , 18, 2986-2997	3.5	18
204	Structural characterization of cobalt(II) complexes of an N,O donor Schiff base and their activity on carcinoma cells. <i>Polyhedron</i> , 2014 , 71, 85-90	2.7	18
203	The synthesis, structure and photochromism of mercury(II)-iodide complexes of 1-C _n H _{2n+1} -2-(arylazo)imidazoles (n=4, 6, 8). <i>Polyhedron</i> , 2012 , 31, 506-514	2.7	18
202	Copper(II)-sulfonamide Schiff base complexes: Structure, biological activity and theoretical interpretation. <i>Polyhedron</i> , 2018 , 151, 344-354	2.7	18
201	Aggregation induced emission enhancement (AIEE) of fluorenyl appended Schiff base : A turn on fluorescent probe for Al ³⁺ , and its photovoltaic effect. <i>Journal of Luminescence</i> , 2017 , 181, 56-62	3.8	17
200	Aggregation-Induced Emission-Active Hydrazide-Based Probe: Selective Sensing of Al, HF, and Nitro Explosives. <i>ACS Omega</i> , 2019 , 4, 8451-8464	3.9	17
199	A Ni(II) dinuclear complex bridged by end-on azide-N and phenolate-O atoms: spectral interpretation, magnetism and biological study. <i>Inorganic Chemistry Frontiers</i> , 2015 , 2, 749-762	6.8	17
198	End-to-End Thiocyanato-Bridged Helical Chain Polymer and Dichlorido-Bridged Copper(II) Complexes with a Hydrazone Ligand: Synthesis, Characterisation by Electron Paramagnetic Resonance and Variable-Temperature Magnetic Studies, and Inhibitory Effects on Human Colon Adipocytes. <i>Chemistry - A European Journal</i> , 2012 , 18, 1000-1009	2.3	17
197	First example of ruthenium(II)-azoiminechloranilates: synthesis, structure, spectra and electrochemistry of ruthenium(II) 1-alkyl-2-(arylazo)imidazole chloranilates, and correlation of electronic properties with ZINDO calculation. <i>Inorganica Chimica Acta</i> , 2004 , 357, 2015-2026	2.7	17
196	Osmium(II)-pyrimidine chemistry. Part VII: synthesis, structural characterisation and electrochemistry. <i>Polyhedron</i> , 2002 , 21, 753-762	2.7	17
195	Three-Dimensional MOF-Assisted Self-Polarized Ferroelectret: An Effective Autopowered Remote Healthcare Monitoring Approach. <i>Langmuir</i> , 2020 , 36, 11477-11489	4	17
194	An acetylenedicarboxylato-bridged Mn(II)-based 1D coordination polymer: electrochemical CO ₂ reduction and magnetic properties. <i>New Journal of Chemistry</i> , 2019 , 43, 5167-5172	3.6	16
193	Enhancement of Electrical Conductivity due to Structural Distortion from Linear to Nonlinear Dicarboxylato-Bridged Zn(II) 1D-Coordination Polymers. <i>Crystal Growth and Design</i> , 2019 , 19, 2632-2641	3.5	16
192	A hydrazine-based thiocarbamide probe for colorimetric and turn-on fluorometric detection of PO ₄ ³⁻ and AsO ₃ ³⁻ in semi-aqueous medium. <i>New Journal of Chemistry</i> , 2018 , 42, 6236-6246	3.6	16

191	Novel Br ⁻ (Chelate) Interaction in a 1D Coordination Polymer Revealing Aromaticity. <i>ChemistrySelect</i> , 2018 , 3, 4289-4291	1.8	16
190	Synthesis, spectra, structure, redox properties and DFT computation of copper(I)triphenylphosphinepyridyl Schiff bases. <i>Inorganica Chimica Acta</i> , 2012 , 387, 240-247	2.7	16
189	Ru(II)ClO complexes of thioarylaazoimidazoles: Syntheses, structures, spectroscopy and DFT calculation. <i>Inorganic Chemistry Communication</i> , 2010 , 13, 273-277	3.1	16
188	Manganese(II) complexes of pyridyl-azo-imidazoles. Single crystal X-ray structures of 3?-PyaiH and [Mn(3?- PyaiEt)4](ClO4)2 (3?-PyaiH=2-(3?-pyridylazo)imidazole; 3?-PyaiEt=1-ethyl-2-(3?-pyridylazo)imidazole). <i>Polyhedron</i> , 2005 , 24, 739-746	2.7	16
187	Syntheses and characterization of π -cyclopentadienyl and π -indenyl ruthenium(II) complexes of arylazoimidazoles: The molecular structure of the complex $[(\pi\text{-C}_5\text{H}_5)\text{Ru}(\text{PPh}_3)(\text{C}_6\text{H}_5\text{N}_3\text{H}_3\text{N}_2)]^+$. <i>Journal of Organometallic Chemistry</i> , 2005 , 690, 3465-3473	2.3	16
186	Sunlight-Induced Topochemical Photodimerization and Switching of the Conductivity of a Metal-Organic Compound. <i>Inorganic Chemistry</i> , 2019 , 58, 5419-5422	5.1	15
185	The crystal structure of sulfamethoxazole, interaction with DNA, DFT calculation, and molecular docking studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 137, 560-8	4.4	15
184	Photoisomerization dynamics of N-1-methyl-2-(tolylazo) imidazole and the effect of complexation with Cu(II). <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 13027-34	3.6	15
183	Synthesis, spectral characterization and photoluminescence properties of cadmium(II) complexes of N-[(2-pyridyl)methylidene]-4(or 6)aminonaphthalene (4or 6NaiPy) and comparison with the complexes of 1-alkyl-2-(naphthyl-4(or 6)azo)imidazole. Single crystal X-ray structure of $[\text{Cd}(\text{6NaiPy})_2(\text{ONO}_2)_2]$. <i>Polyhedron</i> , 2007 , 26, 555-562	2.7	15
182	Hydrogen bonded perrhenate-azoimidazoles. <i>Crystal Engineering</i> , 2002 , 5, 95-104		15
181	Use of steric crowding to synthesise ruthenium(II) N(1)-alkyl-2-(arylaazo)imidazole isomers. Spectral characterization and redox studies. <i>Transition Metal Chemistry</i> , 1999 , 24, 672-677	2.1	15
180	A 2-D coordination polymer incorporating cobalt(II), 2-sulfoterephthalate and the flexible bridging ligand 1,3-di(4-pyridyl)propane. <i>Inorganic Chemistry Frontiers</i> , 2015 , 2, 157-163	6.8	14
179	The structural characterization and biological activity of sulfamethoxazolyl-azo-p-cresol, its copper(II) complex and their theoretical studies. <i>New Journal of Chemistry</i> , 2016 , 40, 5019-5031	3.6	14
178	Three-Dimensional-Coordination Polymer of Zn(II)-Carboxylate: Structural Elucidation, Photoelectrical Conductivity, and Biological Activity. <i>ACS Omega</i> , 2019 , 4, 17649-17661	3.9	14
177	Intercalated iodobismuthate in the layers of azoimidazoles. Structure, photochromism and DFT computation. <i>Polyhedron</i> , 2013 , 54, 147-157	2.7	14
176	Copper(I)/silver(I)-phosphine-N-[(2-pyridyl)methylidene]-6-coumarin complexes: Syntheses, structures, redox interconversion, photophysical properties and DFT computation. <i>Polyhedron</i> , 2013 , 51, 27-40	2.7	14
175	Copper(II) azide complexes of 1-alkyl-2-(arylaazo)imidazoles: Structure and magnetism. <i>Polyhedron</i> , 2006 , 25, 2764-2772	2.7	14
174	Chemistry of azopyrimidines. Part IV. Aromatic hydroxylation in palladium(II)-arylaazopyrimidines. <i>Journal of Chemical Sciences</i> , 2000 , 112, 523-534	1.8	14

173	Water soluble sulfaguanidine based Schiff base as a Turn-on fluorescent probe for intracellular recognition of Zn ²⁺ in living cells and exploration for biological activities. <i>Polyhedron</i> , 2019 , 172, 28-38	2.7	14
172	EPR interpretation, magnetism and biological study of a Cu(II) dinuclear complex assisted by a schiff base precursor. <i>Journal of Biological Inorganic Chemistry</i> , 2017 , 22, 481-495	3.7	13
171	Design of a coumarinyl-picolinoyl hydrazide Schiff base for the fluorescence turn-on sequential sensing of Al ³⁺ and nitroaromatics, and electronic device fabrication. <i>New Journal of Chemistry</i> , 2019 , 43, 14979-14990	3.6	13
170	Structures, antimicrobial activity, DNA interaction and molecular docking studies of sulfamethoxazolyl-azo-acetylacetone and its nickel(II) complex. <i>Polyhedron</i> , 2015 , 99, 77-86	2.7	13
169	Palladium(II) and platinum(II) complexes of N-[(2-pyridyl)methylidene]-6-coumarin and N-[(2-hydroxy)benzylidene]-6-coumarin. <i>Inorganica Chimica Acta</i> , 2014 , 423, 52-61	2.7	13
168	Syntheses, structures, spectroscopic, electrochemical properties and DFT calculation of Ru(II)thioarylazoimidazole complexes. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 3518-3525	2.3	13
167	Group-6 metal carbonyl complexes of pyridylbenzoxazole and pyridylbenzothiazole: Synthesis, structure, electrochemistry, photophysical property and DFT calculations. <i>Journal of Organometallic Chemistry</i> , 2011 , 696, 488-495	2.3	13
166	Kinetics and mechanism of nucleophilic substitution of dichloroarylazopyridinepalladium(II) by pyridine bases. <i>Transition Metal Chemistry</i> , 1997 , 22, 453-458	2.1	13
165	Synthesis and characterization of platinum(II) azophenolates incorporating thioether/sulphinyl donor sites. <i>Polyhedron</i> , 1993 , 12, 2363-2369	2.7	13
164	Trace Quantity Detection of H ₂ PO ₄ ³⁻ by Fluorescent Metal-Organic Framework (F-MOF) and Bioimaging Study. <i>Crystal Growth and Design</i> , 2020 , 20, 6453-6460	3.5	13
163	Influence of Axial Linkers on Polymerization in Paddle-Wheel Cu(II) Coordination Polymers for the Application of Optoelectronics Devices. <i>Crystal Growth and Design</i> , 2019 , 19, 6283-6290	3.5	12
162	Fluorescence sensing and intracellular imaging of Pd ²⁺ ions by a novel coumarinyl-rhodamine Schiff base. <i>New Journal of Chemistry</i> , 2019 , 43, 3899-3906	3.6	12
161	An enolato-bridged dinuclear Cu(II) complex with a coumarin-assisted precursor: a spectral, magnetic and biological study. <i>New Journal of Chemistry</i> , 2015 , 39, 7309-7321	3.6	12
160	Fabrication of a Zn(II)-Based 2D Pillar Bilayer Metal-Organic Framework for Antimicrobial Activity. <i>ChemistrySelect</i> , 2019 , 4, 9947-9951	1.8	12
159	Structure, fluorescence, redox properties and theoretical interpretation of heteroleptic copper(I) and silver(I) complexes of N-[(2-pyridyl)methylidene]-6-coumarin and triphenylphosphine. <i>Inorganica Chimica Acta</i> , 2014 , 410, 202-213	2.7	12
158	The structural characterization and DNA binding of pyridyl-azo-acetylacetonato complexes of zinc(II), cadmium(II) and mercury(II). <i>Polyhedron</i> , 2015 , 89, 203-212	2.7	12
157	Synthesis, spectral characterisation and redox studies of copper(I) and silver(I) complexes of N(1)-benzyl-2-arylaminoimidazoles. <i>Transition Metal Chemistry</i> , 1997 , 23, 73-75	2.1	12
156	Palladium azoimidazoles. Solvatochromic studies of catecholato complexes. <i>Transition Metal Chemistry</i> , 1998 , 23, 517-522	2.1	12

- 155 Ru(0)-azoimine-carbonyl and Ru(II)-pyridyl-azo-imidazole complexes. *Polyhedron*, **2006**, 25, 2503-2512 2.7 12
- 154 Naphthylazoimidazole complexes of cobalt(II): Synthesis structure and electrochemistry. *Polyhedron*, **2006**, 25, 3077-3083 2.7 12
- 153 1D and 2D network of ReO₄⁻ bonded azoimidazoles. *Inorganic Chemistry Communication*, **2003**, 6, 634-638.1 2.7 12
- 152 Application of Imidazolylazo Resin : Separation of Palladium(II), Silver(I) from Synthetic Mixtures, Medicinal and Geological Samples. *Analytical Letters*, **1999**, 32, 567-579 2.2 12
- 151 Synthesis, antimicrobial activity and molecular docking of di- and triorganotin (IV) complexes with thiosemicarbazide derivatives. *Applied Organometallic Chemistry*, **2019**, 33, e4700 3.1 12
- 150 Capping agent-induced variation of physicochemical and biological properties of Fe₂O₃ nanoparticles. *Materials Chemistry and Physics*, **2021**, 258, 123899 4.4 12
- 149 Biporous Cd(II) Coordination Polymer via Disulfide Bond Formation: Self-Healing and Application to Photosensitive Optoelectronic Device. *Inorganic Chemistry*, **2020**, 59, 5518-5528 5.1 11
- 148 Cu(II)-Based binuclear compound for the application of photosensitive electronic devices. *New Journal of Chemistry*, **2018**, 42, 8629-8637 3.6 11
- 147 Dihalo-bis[1-alkyl-2-(o -thioalkyl)phenylazo]imidazole]zinc(II): Structure, photochromism and DFT computation. *Inorganica Chimica Acta*, **2014**, 423, 397-407 2.7 11
- 146 Phenoxo bridged tetranuclear copper(II) and dinuclear zinc(II) complexes of 2,6-diformyl-4-methylphenol-di(benzoylhydrazone): Synthesis, structure, spectra and magnetism. *Inorganica Chimica Acta*, **2014**, 413, 194-202 2.7 11
- 145 The C-H activation of pendant naphthyl group of 1-alkyl-2-(naphthyl-azo)imidazole by rhodium(III). Spectral, structural characterization and, DFT computation. *Journal of Organometallic Chemistry*, **2013**, 732, 109-115 2.3 11
- 144 Transducer influence of polycyclic aromatic hydrocarbons (PAHs) on photoisomerisation of 1-alkyl-2-(arylo)imidazoles. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2013**, 104, 477-85 4.4 11
- 143 Cadmium(II)-imidazolylazo dyes: Synthesis, structure and photochromism. *Polyhedron*, **2012**, 46, 81-89 2.7 11
- 142 Studies on 1-alkyl-2-(arylo)imidazole complexes of lead(II) and their photoisomerization. *Inorganica Chimica Acta*, **2012**, 387, 352-360 2.7 11
- 141 Ruthenium-carbonyl complexes of 1-alkyl-2-(arylo)imidazoles: Synthesis, structure, spectra and redox properties. *Polyhedron*, **2008**, 27, 3020-3028 2.7 11
- 140 Dimeric cyclopalladated azobenzenes: structural differences between 2-hydroxypyridine and 2-mercaptopyridine bridged complexes. *Journal of Organometallic Chemistry*, **2002**, 650, 202-209 2.3 11
- 139 Cobalt(II)-azoimidazole complexes: Structures of [Co(MeaiMe)₄](ClO₄)₂·2H₂O and [Co(HaiMe)₂(NCS)₂] (MeaiMe=1-methyl-2-(p-tolylazo)imidazole; HaiMe=1-methyl-2-(phenylazo)imidazole). *Polyhedron*, **2005**, 24, 1071-1078 2.7 11
- 138 Iron(II) and nickel(II)-thiocyanato complexes of 1-alkyl-2-(arylo)imidazole: single crystal X-ray structure of [Fe(MeaiEt)₂(NCS)₂] (MeaiEt=1-ethyl-2(p-tolylazo)imidazole) and [Ni(MeaiMe)(NCS)₂(H₂O)₂]·2DMF (MeaiMe=1-methyl-2(p-tolylazo)imidazole). *Inorganica Chimica Acta*, **2005**, 258, 1019-1026 2.7 11

137	Bis-chelated-arylazoimidazole-1,10-phenanthroline- μ sium(II) complexes. Structure, spectra and electrochemistry. <i>Inorganica Chimica Acta</i> , 2005 , 358, 3601-3609	2.7	11
136	Nucleophilic ligand displacement in dichloro[2-(arylazo)heterocycle]palladium(II) complexes by benzimidazole: kinetic and mechanistic study. <i>Transition Metal Chemistry</i> , 2001 , 26, 205-211	2.1	11
135	Doubly end-on azido bridged mixed-valence cobalt trinuclear complex: Spectral study, VTM, inhibitory effect and antimycobacterial activity on human carcinoma and tuberculosis cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 148, 427-34	4.4	10
134	Structure and photochromism of zinc(II) complexes with 1-alkyl-2-(arylazo)imidazole, and the effect of number of coordinated ligands and halide type on the photochromism. <i>Polyhedron</i> , 2014 , 71, 47-61	2.7	10
133	Specific recognition of Cr under physiological conditions by allyl substituted appendage rhodamine and its cell-imaging studies. <i>Dalton Transactions</i> , 2017 , 46, 16516-16524	4.3	10
132	Nickel(II)-azido/thiocyanato complexes of 1-alkyl-2-(arylazo)imidazole: single crystal X-ray structure of [Ni(Pai-Me) ₂ (N ₃) ₂] (Pai-Me=1-methyl-2(phenylazo)imidazole). <i>Journal of Coordination Chemistry</i> , 2009 , 62, 552-563	1.6	10
131	Imidazole- μ imidazolidine. Preparation by reduction of [Os(H)(CO)(PPh ₃) ₂ (PyaiR)] ^{+/0} with NaBH ₄ and characterisation of the products (PyaiR = 1-alkyl-2-{3'-(pyridylazo)}imidazole). <i>Journal of Organometallic Chemistry</i> , 2007 , 692, 1472-1481	2.3	10
130	Coupling of arylamine with coordinated arylazopyrimidine in platinum(II) complexes. Single crystal X-ray structure, spectra and electrochemistry. <i>Polyhedron</i> , 2006 , 25, 1571-1578	2.7	10
129	Naphthyl-(2-pyridylmethylene)amine complexes of silver(I) and ruthenium(II): synthesis, spectral studies and electrochemical behaviour. <i>Transition Metal Chemistry</i> , 2003 , 28, 864-870	2.1	10
128	Transition metal complexes with a polydentate Schiff base derived from 3-formylsalicylic acid and 1,2-bis(o-aminophenylthio)ethane. <i>Transition Metal Chemistry</i> , 2001 , 26, 237-240	2.1	10
127	Synthesis, spectral and electrochemical studies of isomeric dichloro-bis[N(1)-ethyl-2-(arylazo)imidazole]ruthenium(II) and the reaction of the green isomer with tertiary phosphines. <i>Transition Metal Chemistry</i> , 1999 , 24, 467-473	2.1	10
126	Lead(II) complexes of 1-alkyl-2-(arylazo)imidazole: Synthesis, structure, photochromism and metallomesogenic properties. <i>Polyhedron</i> , 2016 , 117, 318-326	2.7	9
125	Rhodamine-Appended Benzophenone Probe for Trace Quantity Detection of Pd in Living Cells. <i>ACS Omega</i> , 2019 , 4, 18987-18995	3.9	9
124	Effect of phenols and carboxylic acids on photochromism of 1-alkyl-2-(arylazo)imidazoles. <i>Journal of Luminescence</i> , 2012 , 132, 2371-2377	3.8	9
123	Ir(I)- μ carbonyl complexes of coumarinazoimidazoles: Synthesis structure, electrochemistry, photophysical properties and DFT calculations. <i>Polyhedron</i> , 2011 , 30, 1516-1523	2.7	9
122	Rhodium(III) and iridium(III) complexes of thioarylazoimidazoles: Synthesis, structure, spectral characterization, electrochemistry and DFT calculation. <i>Polyhedron</i> , 2010 , 29, 3170-3177	2.7	9
121	The C-N coupling reaction of pendant naphthyl group of palladium(II) complexes of 1-alkyl-2-(naphthyl-azo)imidazoles. Structural characterization, spectral and redox properties, and correlation with DFT computed data. <i>Inorganica Chimica Acta</i> , 2010 , 363, 831-840	2.7	9
120	Cd(II)- μ CS/NCO complexes of 1-alkyl-2-(arylazo)imidazole: Single crystal X-ray structure of [Cd(HaiMe) ₂ (SCN) ₂]. <i>Inorganica Chimica Acta</i> , 2006 , 359, 695-700	2.7	9

119	Reaction of Adenine and Guanine with $[\text{Ru}(\text{RaaiR}')_2(\text{EtOH})_2](\text{ClO}_4)_2$ – Spectral and Electrochemical Characterization of the Products [RaaiR' = 1-Alkyl-2-(arylazo)-imidazole]. <i>Transition Metal Chemistry</i> , 2004 , 29, 566-570	2.1	9
118	Reactions of dichloro-bis-[N(1)-benzyl-2-(arylazo)imidazole] ruthenium(II) with tertiary phosphines. <i>Transition Metal Chemistry</i> , 1999 , 24, 172-176	2.1	9
117	Structure, Photochromism and Liquid Crystal Properties of 1-Alkyl-2-(Arylazo)Imidazoles (Raai-C_n<sub>H</sub>_{2n+1};, n (Even) = 10 - 22). <i>Advances in Materials Physics and Chemistry</i> , 2013 , 03, 133-145	0.5	9
116	Two-Dimensional MOF Modulated Fiber Nanogenerator for Effective Acoustoelectric Conversion and Human Motion Detection. <i>Langmuir</i> , 2021 , 37, 7107-7117	4	9
115	Chromogenic hydrazide Schiff base reagent: Spectrophotometric determination of CN ion. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 225, 117471	4.4	9
114	Structure, spectra and electrical conductivity of copper(I) and silver(I) phosphino bridging mixed ligand complexes with coumarinyl Schiff base. <i>Inorganica Chimica Acta</i> , 2018 , 469, 523-535	2.7	9
113	Spectroscopic characterization, photochromism and mesomorphism of cadmium(II)-1-alkyl-2-(arylazo)imidazole complexes and DFT correlative studies. <i>Polyhedron</i> , 2016 , 117, 463-477	2.7	8
112	A rare doubly nitrate and phenoxido bridged trimetallic CuII complex: EPR, antiferromagnetic coupling and theoretical rationalization. <i>RSC Advances</i> , 2016 , 6, 54856-54865	3.7	8
111	Synthesis, structure, DNA interaction and nuclease activity of rhodium(III)–arylazoimidazole complexes. <i>Inorganica Chimica Acta</i> , 2013 , 394, 98-106	2.7	8
110	The photochromism of 1-alkyl-2-(arylazo)imidazoles embedded in micelles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 429, 60-66	5.1	8
109	Synthesis, structure, photochromism, mesogenic property and DFT computations of silver(I) complexes of long chain alkyl group containing 1-alkyl-2-(arylazo)imidazoles. <i>Polyhedron</i> , 2014 , 79, 186-196	2.7	8
108	Synthesis, spectral and electrochemical characterization of (dithiocarbamato)(arylazoimidazole)Palladium(II) perchlorates. <i>Transition Metal Chemistry</i> , 1998 , 23, 309-311	2.1	8
107	Structure, spectra and electrochemistry of ruthenium-carbonyl complexes of naphthylazoimidazole. <i>Inorganica Chimica Acta</i> , 2008 , 361, 2431-2438	2.7	8
106	Copper(I) and Silver(I) Complexes of 1-alkyl-2-(methyl)-4-(arylazo)imidazole. Synthesis, Spectral Studies and Electrochemistry. <i>Transition Metal Chemistry</i> , 2006 , 31, 293-298	2.1	8
105	M(NCO) (M=Mn, Zn) complexes of 1-alkyl-2-(arylazo)imidazole: crystal structures of $[\text{Mn}(\text{MeaiEt})_2(\text{NCO})_2]$ and $[\text{Zn}(\text{HaaiMe})_2(\text{NCO})_2]$ [HaaiMe=1-methyl-2-(phenylazo)imidazole and MeaiEt=1-ethyl-2-(P-tolylazo)imidazole]. <i>Journal of Coordination Chemistry</i> , 2005 , 58, 1105-1113	1.6	8
104	Reaction of $\text{Ru}(\text{PPh}_3)_3\text{Cl}_2$ with arylazoimidazoles: spectral characterisation and redox studies of [bis-{N(1)-alkyl-2-(arylazo)imidazole}-bis-(triphenylphosphine)]-ruthenium(II) perchlorate. <i>Transition Metal Chemistry</i> , 2000 , 25, 333-337	2.1	8
103	Reaction of trans-dichloro-bis[N(1)-methyl-2-(arylazo)imidazole] ruthenium(II) with tertiary phosphines. <i>Transition Metal Chemistry</i> , 1999 , 24, 168-171	2.1	8
102	Studies on Magnetic and Dielectric Properties of Antiferromagnetically Coupled Dinuclear Cu(II) in a One-Dimensional Cu(II) Coordination Polymer. <i>ACS Omega</i> , 2020 , 5, 274-280	3.9	8

101	Designing of Pb(II)-Based Novel Coordination Polymers (CPs): Structural Elucidation and Optoelectronic Application. <i>ACS Omega</i> , 2019 , 4, 19959-19968	3.9	8
100	Selective detection of trinitrophenol by a Cd(ii)-based coordination compound.. <i>RSC Advances</i> , 2019 , 9, 38718-38723	3.7	8
99	A Phenyl Thioether-Based Probe: Zn ²⁺ Ion Sensor, Structure Determination and Live Cell Imaging□ <i>ChemistrySelect</i> , 2019 , 4, 4472-4477	1.8	7
98	Palladium(II)-iodo-{1-alkyl-2-(arylo)imidazole} complexes: Synthesis, structure, dynamics of photochromism and DFT computation. <i>Polyhedron</i> , 2015 , 85, 900-911	2.7	7
97	Supramolecular assembly of a 4-(1-naphthylvinyl)pyridine-appended Zn(II) coordination compound for the turn-on fluorescence sensing of trivalent metal ions (Fe ³⁺ , Al ³⁺ , and Cr ³⁺) and cell imaging application. <i>New Journal of Chemistry</i> , 2020 , 44, 13163-13171	3.6	7
96	Sulfonamide derivatives as inhibitors: in silico approach. <i>In Silico Pharmacology</i> , 2018 , 6, 4	4.3	7
95	Synthesis, structure and photochromism of zinc(II) complexes of alkylthioaryloimidazoles. <i>Polyhedron</i> , 2014 , 67, 321-328	2.7	7
94	The spectroscopic characterization, photochromism of cadmium(II)-iodo complexes of 1-alkyl-2-(arylo)imidazoles and DFT computation of representative complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 137, 935-44	4.4	7
93	Tungsten(0)carbonyl complexes of naphthylazoimidazoles. <i>Polyhedron</i> , 2009 , 28, 525-533	2.7	7
92	Synthesis, spectroelectrochemical characterization and solvatochromic studies of aryloimidazolepalladium(II) catecholates. <i>Transition Metal Chemistry</i> , 1998 , 23, 233-236	2.1	7
91	Tetrahedral manganese(II) complexes of 1-alkyl-2-(arylo)imidazoles. X-ray crystal structure of [Mn(HaaiMe) ₄](ClO ₄) ₂ ·DMF (HaaiMe = 1-methyl-2-(phenylazo)imidazole). <i>Journal of Coordination Chemistry</i> , 2005 , 58, 399-407	1.6	7
90	First example of mixed azoheterocycles: structural studies of metallo-macrocycle Ag(I) versus tetrahedral Cd(II) complexes of pyridyl-azo-imidazole. <i>Inorganica Chimica Acta</i> , 2004 , 357, 3503-3509	2.7	7
89	Cd(II) coordination polymer of fumaric acid and pyridyl-hydrazide Schiff base: Structure, photoconductivity and theoretical interpretation. <i>Inorganica Chimica Acta</i> , 2021 , 518, 120253	2.7	7
88	Structural elucidation, EPR and magnetic interpretation of lanthanide (Ln = La, Nd, Sm) compounds with 4,4'-bipyridine and 2-sulfoterephthalate. <i>Inorganica Chimica Acta</i> , 2016 , 453, 128-134	2.7	6
87	Supramolecular assembly of Cu(II)-based 1D coordination polymer: Synthesis, characterization and correlation of band gap. <i>Journal of Molecular Structure</i> , 2019 , 1197, 430-435	3.4	6
86	Synthesis, electronic structure and catalytic activity of ruthenium-iodo-carbonyl complexes with thioether containing NNS donor ligand. <i>Journal of Molecular Structure</i> , 2014 , 1065-1066, 52-60	3.4	6
85	Cu(I)-N heterocyclic carbene complexes: Synthesis, catalysis and DFT studies. <i>Journal of Molecular Structure</i> , 2017 , 1127, 449-456	3.4	6
84	Effect of PEG-200 and Tween-20 on photoisomerization of 1-alkyl-2-(arylo)imidazoles in toluene. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 98, 116-21	4.4	6

83	Aromatic hydroxylation: oxygen insertion into the metal-carbon bond of thioazobenzene palladacycles. <i>Transition Metal Chemistry</i> , 1994 , 19, 41	2.1	6
82	Highly selective and sensitive recognition of Zn(II) by a novel coumarinyl scaffold following spectrofluorometric technique and its application in living cells. <i>New Journal of Chemistry</i> , 2018 , 42, 16297-16306	3.6	6
81	Antibacterial activities of sulfamethoxazolyl-azo-phenols and their Cu(II) complexes along with molecular docking properties. <i>Journal of Biological Inorganic Chemistry</i> , 2017 , 22, 833-850	3.7	5
80	Solvent-tuned discriminant sensing of Al ³⁺ , Mg ²⁺ and HF ²⁻ by vanilinylic-picolinyl hydrazide Schiff base. <i>New Journal of Chemistry</i> , 2019 , 43, 9815-9823	3.6	5
79	Influence of cations on optical properties of iodobismuthates. <i>Polyhedron</i> , 2020 , 179, 114335	2.7	5
78	Aggregation induced emission enhancement of pyrene-appended Schiff base luminophore and its photovoltaic effect. <i>Journal of Luminescence</i> , 2016 , 175, 44-49	3.8	5
77	Structure, photophysics, electrochemistry and DFT calculations of [RuH(CO)(PPh ₃) ₂ (coumarinyl-azo-imidazole)]. <i>Polyhedron</i> , 2013 , 53, 193-201	2.7	5
76	1-Alkyl-2-((O-Thioalkyl)Phenylazo)Imidazole Complexes of PbII and Their Photochromic Property. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013 , 639, 1861-1870	1.3	5
75	Naphthylazoimidazole complexes of tetracarbonylchromium and molybdenum: Synthesis, spectra, electrochemistry and photophysical studies. <i>Polyhedron</i> , 2006 , 25, 3435-3440	2.7	5
74	Substitution of ligands in dichloro-2-(aryloxy)heterocyclepalladium(II) by 8-quinolinol: kinetics and mechanistic studies. <i>Transition Metal Chemistry</i> , 2003 , 28, 518-524	2.1	5
73	Two acetylenedicarboxylato-bridged 4-styrylpyridine appended 1D coordination polymers: synthesis, structural characterization and variable temperature magnetism. <i>Journal of Chemical Sciences</i> , 2020 , 132, 1	1.8	5
72	The oxidative dehydrogenation of a coumarinyl scaffold with copper ion and metal ion detection in human liver cancer cells (HepG2). <i>Dalton Transactions</i> , 2019 , 48, 17818-17830	4.3	5
71	Sunlight assisted SCSC dimerization of a 1D coordination polymer impacts the selectivity of Pd(II) sensing in water. <i>Chemical Communications</i> , 2021 , 57, 6197-6200	5.8	5
70	Electrical property and Schottky behavior of a flexible Schiff-base compound: X-ray structure and stabilization of 1D water chain. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 24744-24749	3.6	5
69	A zig-zag end-to-end azido bridged Mn(III) 1-D coordination polymer: Spectral elucidation, magnetism, redox study and biological activity. <i>Polyhedron</i> , 2017 , 127, 315-322	2.7	4
68	Structure and photochromism of Zn(II) thiocyanato complexes of 1-alkyl-2-((o-thioalkyl)phenylazo)imidazole. <i>Polyhedron</i> , 2015 , 97, 240-247	2.7	4
67	Photo-Tunable Azobenzene-Anthraquinone Schiff Base Copper Complexes as Mediators for Laccase in Biofuel Cell Cathode. <i>Symmetry</i> , 2020 , 12, 797	2.7	4
66	Cobalt(II), nickel(II) and copper(II) complexes of N-((2-pyridyl)methylidene)-6-coumarin: Characterization, DNA interaction, catecholase activity and theoretical interpretation. <i>Inorganica Chimica Acta</i> , 2018 , 482, 659-668	2.7	4

65	A New Cu(I) Coordination Polymer: Structural Elucidation, EPR and Sensing Studies for Detection of Volatile Organic Solvents. <i>ChemistrySelect</i> , 2016 , 1, 2192-2198	1.8	4
64	Coumarinyl azoimidazolyl complexes of osmium(II) hydridocarbonyls: spectroscopic and structural characterization, oxidation catalysis, photovoltaic effect and density functional theory computation. <i>Applied Organometallic Chemistry</i> , 2016 , 30, 323-334	3.1	4
63	Platinum(II)-azoimidazole drugs against TB and cancer: Structural studies, cytotoxicity and anti-mycobacterial activity. <i>Polyhedron</i> , 2018 , 152, 1-10	2.7	4
62	A Ni(II) derivative incorporating tetradentate Schiff base precursor: Structure, spectral, electrochemical and DFT interpretation. <i>Journal of Molecular Structure</i> , 2018 , 1173, 462-468	3.4	4
61	Arylazoimidazole compounds of rhenium nitrosyl: Synthesis, spectral characterization and reactivity. <i>Polyhedron</i> , 2007 , 26, 1217-1221	2.7	4
60	Mixed ligand complexes of osmium(II)-2,2'-bipyridine: synthesis, spectral characterization and electrochemical properties of bis-chelated-arylazoimidazole-bipyridine-osmium(II) and X-ray crystal structure of [(2,2'-bipyridine)-bis-(1-methyl-2-(p-tolylazo)imidazole)osmium(II)]	2.7	4
59	Kinetics and mechanism of nucleophilic substitution of dichloro(1-methyl-2-(arylazo)imidazole)palladium(II) by pyridine bases. <i>Transition Metal Chemistry</i> , 2002 , 27, 639-645	2.1	4
58	A Vanillinyl-Hydrazone Schiff Base: Recognition of Mg ²⁺ , Zn ²⁺ , Cd ²⁺ and I ⁻ by Turn-On Fluorescence Method. <i>ChemistrySelect</i> , 2020 , 5, 8274-8283	1.8	4
57	Stabilization of cyclic water tetramers and dimers in the crystal host of 2D coordination networks: electrical conductivity and dielectric studies. <i>New Journal of Chemistry</i> , 2020 , 44, 15857-15870	3.6	4
56	Structural diversity, topology and luminescent properties of a two-dimensional Cd(II) coordination polymer incorporating 4,4'-dipyridyl and 4,4'-sulfonyldibenzoic acid. <i>Journal of Molecular Structure</i> , 2019 , 1179, 618-622	3.4	4
55	Use of rhodamine-allyl Schiff base in chemodosimetric processes for total palladium estimation and application in live cell imaging. <i>New Journal of Chemistry</i> , 2018 , 42, 17351-17358	3.6	4
54	Synthesis, spectral elucidation, electrochemistry and DFT interpretation of manganese(II)-thioalkyl-arylazoimidazole complex. <i>Journal of Molecular Structure</i> , 2017 , 1133, 574-579	3.4	3
53	A rare cobalt(III) paramagnetic derivative incorporating 1-alkyl-2-[(o-thioalkyl)phenylazo]imidazole (SMeaaiNEt): EPR, redox and magnetic interpretation. <i>Inorganica Chimica Acta</i> , 2017 , 462, 75-81	2.7	3
52	A promising class of luminescent derivatives of Silver(I) and Gold(I)-N-heterocyclic carbene. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5673	3.1	3
51	High throughput screening against pantothenate synthetase identifies amide inhibitors against and. <i>In Silico Pharmacology</i> , 2018 , 6, 9	4.3	3
50	Use of the fluorogenic Al ³⁺ -quinolinyl-azo-naphtholato complex for the determination of F ⁻ in aqueous medium by visible light excitation and application in ground water fluoride analysis. <i>Analytical Methods</i> , 2019 , 11, 4440-4449	3.2	3
49	Use of a Ru/Os-CO-diiodide precursor to synthesize heteroleptic 1-alkyl-2-(arylazo)imidazole complexes: The structural characterization, electrochemistry and catalytic activity. <i>Polyhedron</i> , 2013 , 50, 246-254	2.7	3
48	Structure, electrochemistry and photochromism of [Cu(RaaiR')(PPh ₃)X] (RaaiR'=1-alkyl-2-(arylazo)imidazole; X=Cl, Br, I) and correlation with theoretical calculations. <i>Polyhedron</i> , 2012 , 45, 158-169	2.7	3

47	Synthesis and Structural Characterization of a Nickel(II) Complex with Unsymmetrical NNO-Donor Schiff Base Ligand. <i>Journal of Chemical Crystallography</i> , 2011 , 41, 1032-1035	0.5	3
46	An end-to-end dicyanamide-bridged 1-D polymer of Cu with a hydrazone ligand: EPR and variable temperature magnetic susceptibility. <i>Journal of Chemical Research</i> , 2012 , 36, 722-725	0.6	3
45	Arylazoimidazoliumchloride and chlorometallates: Spectroscopic and structural characterization. <i>Inorganica Chimica Acta</i> , 2010 , 363, 2080-2088	2.7	3
44	Reactivity studies of (η -arene)ruthenium(II) dimers with arylazoimidazole ligands: molecular structure of [η -p-cymene]RuCl(Me-C ₆ H ₄ -Nequals;N-C ₃ H ₂ N ₂ -1-CH ₃)]PF ₆ . <i>Journal of Coordination Chemistry</i> , 2007 , 60, 97-107	1.6	3
43	The reactivity of the cis-RuCl ₂ fragment in Ru(P) ₂ (TaiMe)Cl ₂ with N,O; O,O and S,S-chelators (P = PPh ₃ ; TaiMe = 1-methyl-2-(p-tolylazo)imidazole). <i>Transition Metal Chemistry</i> , 2002 , 27, 218-222	2.1	3
42	Synthesis, spectral characterization and redox studies of [1-alkyl-2-(naphthyl-azo)imidazole] palladium(II) catecholates. <i>Transition Metal Chemistry</i> , 2003 , 28, 88-95	2.1	3
41	Osmium arylazoimidazoles: Synthesis, spectral characterisation and redox properties of the complexes. <i>Journal of Chemical Sciences</i> , 1999 , 111, 687-696	1.8	3
40	High Throughput Screening Based Highly Potent Sulfonylbenzamide Anti-diabetic Drug. <i>Current Drug Therapy</i> , 2018 , 13, 162-173	0.7	3
39	Silver Nanoparticles Derived from Albizia lebeck Bark Extract Demonstrate Killing of Multidrug-Resistant Bacteria by Damaging Cellular Architecture with Antioxidant Activity. <i>ChemistrySelect</i> , 2020 , 5, 4770-4777	1.8	3
38	Ultra-trace level detection of Cu ²⁺ in an aqueous medium by novel Zn(II)-dicarboxylato-pyridyl coordination polymers and cell imaging with HepG2 cells. <i>New Journal of Chemistry</i> , 2021 , 45, 13941-13948	3.6	3
37	Tetrameric and Polymeric Zn(II) Coordination Complexes of 4-Diallylaminobenzoic Acid and Their Applications in the Electroreduction of CO ₂ and Schottky Diode Behavior. <i>Crystal Growth and Design</i> , 2021 , 21, 5240-5250	3.5	3
36	Synthesis, crystal structure and biological application of a Cu(II) coordination compound of 2-hydroxy-5-methyl-3-(pyridin-3-yliminomethyl)-benzaldehyde. <i>Journal of the Indian Chemical Society</i> , 2021 , 98, 100007		3
35	Studies on the chemistry of copper(I) with arylazoimidazoles. <i>Journal of Chemical Sciences</i> , 1998 , 110, 445-451	1.8	3
34	Rhodium(III) supported amination reaction of a pendant naphthyl group: Structure, electrochemistry and theoretical interpretation. <i>Polyhedron</i> , 2019 , 171, 542-550	2.7	2
33	Coordination polymers of Ag(i) and Hg(i) ions with 2,2'-azobispyridine: synthesis, characterization and enhancement of conductivity in the presence of Cu(ii) ions. <i>Dalton Transactions</i> , 2020 , 49, 8438-8442	4.3	2
32	Spectroscopic characterization, antimicrobial activity and molecular docking study of novel azo-imine functionalized sulphamethoxazoles. <i>Journal of Molecular Structure</i> , 2018 , 1155, 152-164	3.4	2
31	Effect of -OMe Substituent on Salicylaldehyde Schiff Base to Influence the Zn ²⁺ Sensitivity and the Cancer Cell Line Imaging. <i>ChemistrySelect</i> , 2019 , 4, 7932-7935	1.8	2
30	Azoimine Chelated Ruthenium(II)- and Osmium(II)-Carbonyl Complex Catalyzed Alcohol Oxidation Reaction. <i>Current Organocatalysis</i> , 2019 , 6, 139-157	1.2	2

29	Ruthenium(II) carbonyl complexes with N-[(2-pyridyl)methylidene]-4-aminonaphthalene: Synthesis, spectroscopic studies and DFT calculation. <i>Journal of Molecular Structure</i> , 2013 , 1036, 28-34	3.4	2
28	Catecholato complexes of palladium(II) with naphthylazoimidazoles: synthesis, spectral characterization, electrochemistry and solvatochromic studies. <i>Transition Metal Chemistry</i> , 2002 , 27, 756-762	2.1	2
27	Synthesis, spectral characterisation and electrochemical studies of dichloro-{1-benzyl-2-(aryloxy)imidazole}platinum(II) complexes and their dioxolene derivatives. <i>Transition Metal Chemistry</i> , 2001 , 26, 679-684	2.1	2
26	A highly emissive Zn(II)-pyridyl-benzimidazolyl-phenolato-based chemosensor: detection of HPO ₄ ²⁻ "use" and "throw" device fabrication. <i>Analytical Methods</i> , 2021 , 13, 5282-5292	3.2	2
25	Rhodium(III) complexes of 1-Alkyl-2-(o-thioalkyl) phenylazoimidazoles: synthesis, structure, spectral characterization, DNA binding study and DFT calculation. <i>Transition Metal Chemistry</i> , 2020 , 45, 595-603	2.1	2
24	Pyrrolo-benzodiazepine fluorophore for trace amount detection of Cu ²⁺ and application in living cells. <i>Journal of the Indian Chemical Society</i> , 2021 , 98, 100085		2
23	Surface Enhanced Raman Scattering Study of 1-H-2 (tolylazo) Imidazole (TaiH) Induced by Uncoupled Plasmon of Silver Nano Particles. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 3583-3590	1.3	2
22	Charge Transportation in Zn(II)/Cd(II)-Based 2D MOFs of 5-Nitro-isophthalate with Isonicotinic Hydrazide. <i>Crystal Growth and Design</i> , 2021 , 21, 4847-4856	3.5	2
21	A Reusable Efficient Green Catalyst of 2D Cu-MOF for the Click and Knoevenagel Reaction. <i>Molecules</i> , 2021 , 26,	4.8	2
20	Carboxylato bridging Cu(II) coordination polymer: Structure, magnetism and catalytic reduction of nitrophenols. <i>Journal of Molecular Structure</i> , 2021 , 1245, 131058	3.4	2
19	Synthesis, structure, redox properties and theoretical calculation of copper(I)-triphenylphosphine halide complexes of arylazopyridines, and their reaction with H ₂ O ₂ . <i>Polyhedron</i> , 2015 , 87, 63-70	2.7	1
18	Structural Aspects and Spectroscopic Characterization of a Mn(II) Complex with Unsymmetrical NNO-Donor Hydrazone Ligand. <i>Journal of Chemical Crystallography</i> , 2012 , 42, 150-154	0.5	1
17	Coupling of o and/or m-substituted arylamines with the ortho-C≡N function of the pendant aryl ring in coordinated arylazopyrimidinepalladium(II) complexes. Spectral and electrochemical characterisation of the products. <i>Transition Metal Chemistry</i> , 2002 , 27, 888-894	2.1	1
16	Reactions of cyclopalladated azobenzenes with xanthates and dithiocarbamates. Spectral characterisation and electrochemical studies of the products. <i>Transition Metal Chemistry</i> , 2000 , 25, 302-305	2.1	1
15	A Cu(II) Metal Organic Framework with a Tetranuclear Core: Structure, Magnetism, and Supercapacitor Activity. <i>Crystal Growth and Design</i> , 2022 , 22, 1172-1181	3.5	1
14	Influence of the cavity size of cyclodextrins on the photochromism of azoimidazoles. <i>Journal of the Indian Chemical Society</i> , 2021 , 100295		1
13	A Fluorogenic Triphenyl-Amine-Naphthyl-Hydrazide Probe Selective for Cu ²⁺ and Cysteine Detection via an ON-OFF-ON Logic path with Real Applications. <i>ChemistrySelect</i> , 2020 , 5, 15233-15242	1.8	1
12	X-ray structure of two Schiff bases: TURN-ON sensing of Fe and Al in the HepG2 cell line. <i>Analytical Methods</i> , 2020 , 12, 5485-5495	3.2	1

11	{Bis(diphenylphosphino)methane}(1-alkyl-2-(arylazo)imidazole) copper(I) perchlorate: Synthesis, structure and photochromism. <i>Inorganica Chimica Acta</i> , 2019 , 488, 125-130	2.7	1
10	Double advantages of Benzimidazolyl-hydroxy-coumarinyl diad - Turn-on sensing of Al ³⁺ and preventing metastasis in cancer. <i>Journal of Molecular Structure</i> , 2021 , 1250, 131870	3.4	0
9	Molecular modeling of potent novel sulfonamide derivatives as non-peptide small molecule anti-COVID 19 agents. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 1-14	3.6	0
8	Development of a Schottky barrier diode using molecular network of 1-alkyl-2-(arylazo) imidazole prepared by Langmuir-Blodgett technique. <i>Journal of Physics and Chemistry of Solids</i> , 2021 , 149, 109778	3.9	0
7	Designing of an Adipic acid bridged Zn(II) coordination polymer: Synthesis and biological study. <i>Journal of Molecular Structure</i> , 2021 , 1243, 130923	3.4	0
6	In Situ Trans Isomerization of Naphthylvinylpyridine Ligand in a Zinc(II) Coordination Polymer: Liquid and Vapor Phase Sensing of Mutagenic Pollutants and Nitroexplosives. <i>ACS Applied Polymer Materials</i> , 2022 , 4, 2841-2850	4.3	0
5	The structure and photophysics of di-iodo-zinc(II) complexes of long alkyl chain substituted imidazolyl motif of arylazoimidazoles and the DFT computation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 151, 443-52	4.4	
4	Studies on the reactivity of cis-RuCl ₂ fragment in Ru(PPh ₃) ₂ (TaiMe)Cl ₂ with N,N-chelators (TaiMe = 1-methyl-2-(p-tolylazo)imidazole). Spectral and electrochemical characterisation of the products. <i>Journal of Chemical Sciences</i> , 2001 , 113, 173-183	1.8	
3	Cyclopalladation of schiff bases of thiosubstituted benzylideneanilines. <i>Journal of Chemical Sciences</i> , 1996 , 108, 274-274	1.8	
2	Detection of cyanide (CN ⁻) ion with high selectivity and sensitivity by using Turn-ON fluorescence strategy of Rhodamine Schiff base. <i>Journal of the Indian Chemical Society</i> , 2021 , 98, 100063		
1	Synthesis, characterization, in vitro cytotoxic activity and molecular docking of dinuclear gold(I) complexes with terephthalaldehyde bis(thiosemicarbazones). <i>Polyhedron</i> , 2021 , 210, 115498	2.7	