Amanpreet Kaur

List of Publications by Year in Descending Order

169 papers	3,604 citations	34 h-index	51 g-index
174 ext. papers	4,124 ext. citations	4.8 avg, IF	5.85 L-index

#	Paper	IF	Citations
169	Sensing of environmentally and biologically important analytes using organic nanoparticles (ONPs) **2022**, 365-399		0
168	Fluorescent water-stable quantum dots possessing benzimidazole for the recognition of bisulfate in edible materials, soap, and medicine. *Journal of Photochemistry and Photobiology A: Chemistry*, **2022**, 424, 113652	4.7	
167	Pattern-based colorimetric sensor array to monitor food spoilage using automated high-throughput analysis. *Biosensors and Bioelectronics*, **2022**, 196, 113687	11.8	2
166	Cellulose-reinforced poly(ethylene--vinyl acetate)-supported Ag nanoparticles with excellent catalytic properties: synthesis of thioamides using the Willgerodt-Kindler reaction.. *RSC Advances*, **2022**, 12, 6659-6667	3.7	0
165	2-(Anthracen-9-yl)benzothiazole-modified graphene oxide-nickel ferrite nanocomposite for anodic stripping voltammetric detection of heavy metal ions.. *Mikrochimica Acta*, **2022**, 189, 186	5.8	1
164	Gold nanoparticles capped DHPMs for meliorate detection of antiretroviral drug: Azidothymidine. *Talanta*, **2022**, 123591	6.2	0
163	Backbone extension via peptidomimetics at N-terminal; self-assembled nanofibrous cluster and application to selective progesterone detection in an aqueous medium.. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2021**, 268, 120691	4.4	
162	CdAgAlloy@polymer dots of Biginelli polyamide for the highly sensitive and selective recognition of nerve agent mimics in an aqueous and vapor phase. *Journal of Materials Chemistry C*, **2021**, 9, 16721-16731	7.1	0
161	Excited-State Intramolecular Hydrogen-Bonding-Assisted Restricted Rotation: A Mechanism for Monitoring Intracellular Viscosity and Distinguishing Malignant, Differentiating, and Apoptotic Cancer Cells.. *ACS Applied Bio Materials*, **2021**, 4, 7532-7541	4.1	1
160	Paraoxonase Mimic by a Nanoreactor Aggregate Containing Benzimidazolium Calix and l-Histidine: Demonstration of the Acetylcholine Esterase Activity. *Chemistry - A European Journal*, **2021**, 27, 5737-5744	4.8	0
159	Benzimidazole-Based Organic-Inorganic Gold Nanohybrids Suppress Invasiveness of Cancer Cells by Modulating EMT Signaling Cascade.. *ACS Applied Bio Materials*, **2021**, 4, 470-482	4.1	
158	The solvent-free one-pot multicomponent tandem polymerization of 3,4-dihydropyrimidin-2(1H)-ones (DHPMs) catalyzed by ionic-liquid@Fe3O4 NPs: the development of polyamide gels. *Polymer Chemistry*, **2021**, 12, 1165-1175	4.9	3
157	Anthracene possessing amide functionality as a turn-on fluorescent probe for Cu2+ and Zn2+ ions. *Journal of Coordination Chemistry*, **2021**, 74, 575-583	1.6	2
156	Synthesis of novel benzothiazole based fluorescent and redox-active organic nanoparticles for their application as selective and sensitive recognition of Fe3+ ions. *Inorganic Chemistry Communication*, **2021**, 129, 108648	3.1	0
155	Microwave-assisted assembly of AgO-ZnO composite nanocones for electrochemical detection of 4-Nitrophenol and assessment of their photocatalytic activity towards degradation of 4-Nitrophenol and Methylene blue dye. *Journal of Hazardous Materials*, **2021**, 416, 125771	12.8	25
154	Trends in small organic fluorescent scaffolds for detection of oxidoreductase. *Biosensors and Bioelectronics*, **2021**, 191, 113441	11.8	5
153	Self-assembly of imidazolium/benzimidazolium cationic receptors: their environmental and biological applications. *New Journal of Chemistry*, **2020**, 44, 19360-19375	3.6	5

152	Multifunctional Receptor with Tunable Selectivity: A Comparative Recognition Profile of Organic Nanoparticles with Carbon Dots. *Chemistry - an Asian Journal*, **2020**, 15, 2160-2165	4.5	4
151	Highly selective and sensitive simultaneous nanomolar detection of Cs(i) and Al(iii) ions using tripodal organic nanoparticles in aqueous media: the effect of the urea backbone on chemosensing.. *RSC Advances*, **2020**, 10, 22691-22700	3.7	1
150	Design and synthesis of a novel coumarin-based framework as a potential chemomarker of a neurotoxic insecticide, azamethiphos. *New Journal of Chemistry*, **2020**, 44, 3341-3349	3.6	4
149	A cytochrome c-urea functionalized dipeptide conjugate: an efficient HBD framework to synthesize 4H-pyrans via one-pot multicomponent reaction. *Green Chemistry*, **2020**, 22, 956-968	10	4
148	A biscoumarin scaffold as an efficient anti-Zika virus lead with NS3-helicase inhibitory potential: in vitro and in silico investigations. *New Journal of Chemistry*, **2020**, 44, 1872-1880	3.6	9
147	Multianalyte azo dye as an on-site assay kit for colorimetric detection of Hgions and electrochemical sensing of Zn ions. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2020**, 229, 117869	4.4	6
146	Development of an Ionic Liquid@Metal-Based Nanocomposite-Loaded Hierarchical Hydrophobic Surface to the Aluminum Substrate for Antibacterial Properties.. *ACS Applied Bio Materials*, **2020**, 3, 4962-4973	4.1	5
145	Naphthalimide-gold-based nanocomposite for the ratiometric detection of okadaic acid in shellfish. *Journal of Materials Chemistry B*, **2020**, 8, 8405-8413	7.3	6
144	Nitrogen and sulfur co-doped fluorescent carbon dots for the trapping of Hg(II) ions from water. *Materials Advances*, **2020**, 1, 3009-3021	3.3	4
143	A low-cost device for rapid □olor to concentration□quantification of cyanide in real samples using paper-based sensing chip. *Sensors and Actuators B: Chemical*, **2020**, 322, 128622	8.5	6
142	Hybrid nanoparticle based fluorescence switch for recognition of ketoprofen in aqueous media. *Molecular Systems Design and Engineering*, **2020**, 5, 1428-1436	4.6	4
141	Functionalization of spiro[fluorene-9,9?-xanthene] with diketopyrrolopyrrole to generate a promising, three-dimensional non-fullerene acceptor. *Materials Chemistry Frontiers*, **2020**, 4, 3209-3215	7.8	2
140	Rhodamine-based fluorescent probe for sequential detection of Al ions and adenosine monophosphate in water. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2020**, 225, 117523	4.4	23
139	Detection of Al3+ and Hg2+ ions with anthracene appended Schiff base and its reduced analogue. *Journal of Coordination Chemistry*, **2019**, 72, 2189-2199	1.6	9
138	Anticancer SAR establishment and novel accruing signal transduction model of drug action using biscoumarin scaffold. *Computational Biology and Chemistry*, **2019**, 83, 107104	3.6	6
137	Disaggregation-induced ESIPT: a novel approach towards development of sensors for hyperglycemic condition. *New Journal of Chemistry*, **2019**, 43, 2065-2076	3.6	10
136	Cascade recognition of Hg2+ and cysteine using a naphthalene based ESIPT sensor and its application in a set/reset memorized device. *New Journal of Chemistry*, **2019**, 43, 436-443	3.6	16
135	Metallovesicles as smart nanoreactors for green catalytic synthesis of benzimidazole derivatives in water. *Journal of Materials Chemistry A*, **2019**, 7, 17306-17314	13	21

134	Polydentate Aromatic Nanoparticles Complexed with Cu2+ for the Detection of Cysteamine Using a Smartphone as a Portable Diagnostic Tool. *ACS Applied Nano Materials*, **2019**, 2, 5841-5849	5.6	7
133	Metal-Organocatalyst for Detoxification of Phosphorothioate Pesticides: Demonstration of Acetylcholine Esterase Activity. *Inorganic Chemistry*, **2019**, 58, 9773-9784	5.1	5
132	Detoxification and Sensing of Organophosphate-Based Pesticides and Preservatives in Beverages **2019**, 467-510		1
131	"Switch on" fluorescent sensor for the detection of fluoride ions in solution and commercial tooth paste. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2019**, 223, 117361	4.4	10
130	A naphthalimide-based novel Turn-On fluorescence approach for the determination of uric acid and monitoring of xanthine oxidase activity. *Analytical Methods*, **2019**, 11, 4190-4196	3.2	6
129	Mitochondria- and nucleolus-targeted copper(i) complexes with pyrazole-linked triphenylphosphine moieties for live cell imaging. *Analyst, The*, **2019**, 145, 83-90	5	4
128	Self-assembled organic nanoparticles of benzimidazole analogue exhibit enhanced uptake in 3D tumor spheroids and oxidative stress induced cytotoxicity in breast cancer. *Materials Science and Engineering C*, **2019**, 97, 467-478	8.3	4
127	Development of Biological Self-Cleaning Wound-Dressing Gauze for the Treatment of Bacterial Infection. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 969-978	8.3	24
126	Pyrophosphate Prompted Aggregation-Induced Emission: Chemosensor Studies, Cell Imaging, Cytotoxicity, and Hydrolysis of the Phosphoester Bond with Alkaline Phosphatase. *European Journal of Inorganic Chemistry*, **2019**, 2019, 628-638	2.3	2
125	Rhodamine based NIR and ratiometric fluorescent sensor for selective identification of potassium ion: application in biological sample. *Supramolecular Chemistry*, **2019**, 31, 36-44	1.8	1
124	Enhanced performance of organic nanoparticles of a Schiff base for voltammetric sensor of Cu(II) ions in aqueous samples. *Analytical Methods*, **2019**, 11, 359-366	3.2	6
123	High Performance Fluorescent Turn-On Probe for Amitriptyline Based on Hybrid Nanoassembly of Organic-Inorganic Nanoparticles.. *ACS Applied Bio Materials*, **2019**, 2, 135-143	4.1	5
122	Enhanced Performance of CNT-doped Imine Based Receptors as Fe(III) Sensor Using Potentiometry and Voltammetry. *Electroanalysis*, **2019**, 31, 1229-1237	3	7
121	Design and synthesis of imine linked ZnO nanoparticles functionalized with Al(III), candidate for application in light emitting diodes. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 7785-7791	2.1	1
120	Cobalt complexes of Biginelli derivatives as fluorescent probes for selective estimation and degradation of organophosphates in aqueous medium. *Dalton Transactions*, **2018**, 47, 5595-5606	4.3	9
119	Benzimidazole-Based Imine-Linked Copper Complexes in Food Safety: Selective Detection of Cyproheptadine and Thiabendazole. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 3723-3732	8.3	14
118	Metallosurfactant based PdNi alloy nanoparticles as a proficient catalyst in the Mizoroki Heck coupling reaction. *Green Chemistry*, **2018**, 20, 1506-1514	10	40
117	Ionic Liquid-Coated Carbon Nanotubes as Efficient Metal-Free Catalysts for the Synthesis of Chromene Derivatives. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 3714-3722	8.3	19

116	Highly selective and sensitive fluorescence sensing of nanomolar Zn ions in aqueous medium using Calix[4]arene passivated Carbon Quantum Dots based on fluorescence enhancement: Real-time monitoring and intracellular investigation. *Analytica Chimica Acta*, **2018**, 1009, 1-11	6.6	16
115	Chemosensors for biogenic amines and biothiols. *Journal of Materials Chemistry B*, **2018**, 6, 4872-4902	7.3	64
114	Selective Determination of Silver Metal Ion Using Polyamine-Based Ratiometric Chemosensor in an Aqueous Medium and Its Real-Time Applicability as a Silver Sink. *ChemistrySelect*, **2018**, 3, 7792-7799	1.8	2
113	A highly selective naphthalimide-based ratiometric fluorescent probe for the recognition of tyrosinase and cellular imaging. *Analyst, The*, **2018**, 143, 4476-4483	5	23
112	Fe(III) conjugated fluorescent organic nanoparticles for ratiometric detection of tyramine in aqueous medium: A novel method to determine food quality. *Food Chemistry*, **2018**, 245, 1257-1261	8.5	21
111	Core-Shell Nanostructured Mixed Ligand Directed ZnO Nanoparticles with Excellent Structural, Optical and Electronic Properties for Application in Light Emitting Devices. *Journal of Electronic Materials*, **2018**, 47, 7409-7419	1.9	2
110	Structural insights and influence of V599 mutations on the overall dynamics of BRAF protein against its kinase domains. *Integrative Biology (United Kingdom)*, **2018**, 10, 646-657	3.7	4
109	Naphthalimide-Based DNA-Coupled Hybrid Assembly for Sensing Dipicolinic Acid: A Biomarker for Bacillus anthracis Spores. *Langmuir*, **2018**, 34, 6591-6600	4	22
108	Solvent-Less Mechanochemical Approach to the Synthesis of Pyrimidine Derivatives. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 1468-1475	8.3	37
107	Nanoemulsion loaded gel for topical co-delivery of clobitasol propionate and calcipotriol in psoriasis. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2017**, 13, 1473-1482	6	66
106	Dihydropyrimidones based chloride ion chemosensor functional in aqueous solution under environmentally relevant conditions. *Supramolecular Chemistry*, **2017**, 29, 506-517	1.8	4
105	Spectral studies on benzimidazole-based bare-eye probe for the detection of Ni 2+ : Application as a solid state sensor. *Inorganica Chimica Acta*, **2017**, 464, 18-22	2.7	17
104	Ultrasensitive and Selective Sensing of Selenium Using Nitrogen-Rich Ligand Interfaced Carbon Quantum Dots. *ACS Applied Materials & Interfaces*, **2017**, 9, 13448-13456	9.5	33
103	Waste derivitized blue luminescent carbon quantum dots for selenite sensing in water. *Talanta*, **2017**, 170, 49-55	6.2	38
102	Zwitterionic liquid (ZIL) coated CuO as an efficient catalyst for the green synthesis of bis-coumarin derivatives via one-pot multi-component reactions using mechanochemistry. *New Journal of Chemistry*, **2017**, 41, 3872-3881	3.6	15
101	Improved performance of Schiff based ionophore modified with MWCNT for Fe(II) sensing by potentiometry and voltammetry supported with DFT studies. *RSC Advances*, **2017**, 7, 16474-16483	3.7	14
100	Spectral studies on anthracene based dual sensor for Hg and Al ions with two distinct output modes of detection. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2017**, 181, 60-64	4.4	28
99	A novel cation ensembled fluorescent organic nanoparticle for selective detection of organophosphorus insecticides. *Dyes and Pigments*, **2017**, 139, 310-317	4.6	13

98	Organic Nanoparticles for Visual Detection of Spermidine and Spermine in Vapors and Aqueous Phase. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 1287-1296	8.3	38
97	Modulation in Photophysical Properties of Fluorescent Imidazole Possessing 1,10-Phenanthroline on Introduction of Ru(bipy)22+ towards Cation Sensing. *ChemistrySelect*, **2017**, 2, 8638-8642	1.8	2
96	The Photochemical Degradation of Bacterial Cell Wall Using Penicillin-Based Carbon Dots: Weapons Against Multi-Drug Resistant (MDR) Strains. *ChemistrySelect*, **2017**, 2, 9277-9283	1.8	22
95	Luminescent Benzothiazole-Based Fluorophore of Anisidine Scaffoldings: a "Turn-On" Fluorescent Probe for Al and Hg Ions. *Journal of Fluorescence*, **2017**, 27, 1943-1948	2.4	10
94	A carbon quantum dot-encapsulated micellar reactor for the synthesis of chromene derivatives in water. *Molecular Catalysis*, **2017**, 439, 100-107	3.3	10
93	Supramolecular hybrid of ZnO nanoparticles with benzimidazole based organic ligand for the recognition of Zn 2+ ions in semi-aqueous media. *Journal of Photochemistry and Photobiology A: Chemistry*, **2017**, 347, 41-48	4.7	3
92	Anion sensing with chemosensors having multiple NH recognition units. *TrAC - Trends in Analytical Chemistry*, **2017**, 95, 86-109	14.6	55
91	A Novel Di(6-aminouracil-5-yl)-arylmethane Derivative as Fluorescence Ratiometric Chemodosimeter for Mercury Detection in Aqueous Solution. *ChemistrySelect*, **2016**, 1, 4229-4234	1.8	
90	A Biginelli-based organic nanoprobe for simultaneous estimation of tyramine and 1,2-diaminopropane: application in real samples. *New Journal of Chemistry*, **2016**, 40, 10536-10544	3.6	17
89	Effect of tartarate and citrate based food additives on the micellar properties of sodium dodecylsulfate for prospective use as food emulsifier. *Food Chemistry*, **2016**, 190, 599-606	8.5	22
88	A highly fluorescent sensor based on hybrid nanoparticles for selective determination of furosemide in aqueous medium. *Sensors and Actuators B: Chemical*, **2016**, 228, 221-230	8.5	16
87	Recent advances in 1,10-phenanthroline ligands for chemosensing of cations and anions. *RSC Advances*, **2016**, 6, 23169-23217	3.7	61
86	Selective recognition of lithium(I) ions using Biginelli based fluorescent organic nanoparticles in an aqueous medium. *RSC Advances*, **2016**, 6, 1792-1799	3.7	22
85	ZnO decorated with organic nanoparticles based sensor for the ratiometric selective determination of mercury ions. *New Journal of Chemistry*, **2016**, 40, 1529-1534	3.6	10
84	Optical chemosensors for water sample analysis. *Journal of Materials Chemistry C*, **2016**, 4, 5154-5194	7.1	62
83	Salen decorated nanostructured ZnO chemosensor for the detection of mercuric ions (Hg2+). *Sensors and Actuators B: Chemical*, **2016**, 232, 712-721	8.5	21
82	Design of naphthalimide based fluorescent switch for discriminating recognition of phenylbutazone in aqueous medium. *Sensors and Actuators B: Chemical*, **2016**, 234, 602-608	8.5	9
81	Imine-linked receptors decorated ZnO-based dye-sensitized solar cells. *Bulletin of Materials Science*, **2016**, 39, 1371-1379	1.7	2

80	MWCNT incorporated imine–amine ionophore for electrochemical sensing of copper ions. *Analytical Methods*, **2016**, 8, 7472-7481	3.2	2
79	Optical probes for the detection of protons, and alkali and alkaline earth metal cations. *Chemical Society Reviews*, **2015**, 44, 4415-32	58.5	128
78	Effect of food preservatives on the hydration properties and taste behavior of amino acids: a volumetric and viscometric approach. *Food Chemistry*, **2015**, 181, 339-46	8.5	20
77	Hg2+-induced deprotonation of an anthracene-based chemosensor: set–reset flip-flop at the molecular level using Hg2+ and I− ions. *New Journal of Chemistry*, **2015**, 39, 6125-6129	3.6	26
76	Sensing in aqueous medium: mechanism and its application in the field of molecular recognition. *Analytical Methods*, **2015**, 7, 7000-7019	3.2	13
75	A facile ratiometric and colorimetric azo-dye possessing chemosensor for Ni2+ and AcO− detection. *Supramolecular Chemistry*, **2015**, 27, 654-660	1.8	16
74	Surface Decoration of Organic Ligands on Quantum Dots: Fine Tuning of Photophysical Properties **2015**, 1-20		
73	An efficient and green synthesis of xanthene derivatives using CuS quantum dots as a heterogeneous and reusable catalyst under solvent free conditions. *RSC Advances*, **2015**, 5, 8205-8209	3.7	26
72	Fluorescent organic nanoparticles (FONs) of imine-linked peptide for the detection of Cr3+ in aqueous medium. *Sensors and Actuators B: Chemical*, **2015**, 206, 90-97	8.5	11
71	Colorimetric Detection of Spermine by the CuII Complex of Imine-Based Organic Nanoaggregates in Aqueous Medium. *European Journal of Inorganic Chemistry*, **2015**, 2015, 4437-4442	2.3	9
70	Synergetic catalytic effect of ionic liquids and ZnO nanoparticles on the selective synthesis of 1,2-disubstituted benzimidazoles using a ball-milling technique. *Green Chemistry*, **2015**, 17, 4263-4270	10	62
69	Design, synthesis and antimicrobial evaluation of dihydropyrimidone based organic–inorganic nano-hybrids. *RSC Advances*, **2015**, 5, 46654-46661	3.7	14
68	An Imidazole based probe for relay recognition of Cu2+ and OH− ions leading to AND logic gate. *Journal of Chemical Sciences*, **2015**, 127, 1253-1259	1.8	3
67	Benzothiazole-based chemosensor for CN− and Cu2+: multi-logic operations within a single molecule. *Supramolecular Chemistry*, **2015**, 27, 453-459	1.8	9
66	Anthraquinone-based demultiplexer and other multiple operations at the molecular level. *Journal of Chemical Sciences*, **2014**, 126, 49-54	1.8	4
65	Fluorescent organic nanoparticles as chemosensor for nanomolar detection of Cs+ in aqueous medium. *Dyes and Pigments*, **2014**, 106, 45-50	4.6	22
64	Synthesis, crystal structure investigation, DFT analyses and antimicrobial studies of silver(I) complexes with N,N,N?,N??-tetrakis(2-hydroxyethyl/propyl) ethylenediamine and tris(2-hydroxyethyl)amine. *New Journal of Chemistry*, **2014**, 38, 1186	3.6	25
63	Naphthalimide-based organic nanoparticles for aluminium recognition in acidic soil and aqueous media. *New Journal of Chemistry*, **2014**, 38, 4580	3.6	34

62	Polymer-based biocompatible fluorescent sensor for nano-molar detection of Zn2+ in aqueous medium and biological samples. *Inorganic Chemistry Frontiers*, **2014**, 1, 99	6.8	7
61	Fluorometric appraisal of HSO4 in aqueous media and daily utilities using organic–inorganic nanohybrids. *RSC Advances*, **2014**, 4, 48004-48011	3.7	19
60	Voltammetry of nanoparticle-coupled imine linkage-based receptors for sensing of Al(III) and Co(II) ions. *Journal of Applied Electrochemistry*, **2014**, 44, 1239-1251	2.6	6
59	Recyclable CuO nanoparticles as heterogeneous catalysts for the synthesis of xanthenes under solvent free conditions. *RSC Advances*, **2014**, 4, 49462-49470	3.7	41
58	Fluorometric sensing of Hg2+ ions in aqueous medium by nano-aggregates of a tripodal receptor. *Organic and Biomolecular Chemistry*, **2014**, 12, 2302-9	3.9	32
57	Development of chemosensor for Sr(2+) using organic nanoparticles: application of sensor in product analysis for oral care. *Organic and Biomolecular Chemistry*, **2014**, 12, 8230-8	3.9	23
56	Fluorescent organic nanoparticles of tripodal receptor as sensors for HSO4 in aqueous medium: application to real sample analysis. *Analytical Methods*, **2014**, 6, 9030-9036	3.2	25
55	Imine-linked chemosensors for the detection of Zn2+ in biological samples. *RSC Advances*, **2014**, 4, 9784	3.7	22
54	Spontaneous Resolution upon Crystallization of 3D, Chiral Inorganic Networks Assembled from Achiral, Polyoxometallate Units and Metal Ions. *Crystal Growth and Design*, **2013**, 13, 3996-4001	3.5	17
53	Fluorescent primary sensor for zinc and resultant complex as secondary sensor towards phosphorylated biomolecules: INHIBIT logic gate. *Inorganica Chimica Acta*, **2013**, 399, 1-5	2.7	11
52	Benzimidazole-based chromogenic chemosensor for the recognition of oxalic acid via counter ion displacement assay in semi-aqueous medium. *Tetrahedron*, **2013**, 69, 9001-9006	2.4	13
51	Differential recognition of anions with ZnO based urea-coupled sensors. *Materials Letters*, **2013**, 107, 154-157	3.3	2
50	Synthesis, Characterization, and Crystal Structure of 3-(1,2,3,4-Tetrahydroquinazoline-2-yl)phenol—A Ring-Chain Tautomerized 2-Substituted 1,2,3,4-Tetrahydroquinazoline. *Molecular Crystals and Liquid Crystals*, **2013**, 582, 115-121	0.5	
49	Formation of Enantiomorphic Crystal From Achiral Molecules—Synthesis and Crystal Structure Determination of Two New Schiff Bases. *Molecular Crystals and Liquid Crystals*, **2013**, 577, 73-82	0.5	2
48	ZnO-Based Imine-Linked Coupled Biocompatible Chemosensor for Nanomolar Detection of Co2+. *ACS Sustainable Chemistry and Engineering*, **2013**, 1, 1600-1608	8.3	47
47	A benzimidazole-based Co3+ complex for electrochemical and spectroscopic recognition of I and in semi-aqueous media. *Tetrahedron Letters*, **2013**, 54, 5967-5970	2	18
46	A counterion displacement assay with a Biginelli product: a ratiometric sensor for Hg2+ and the resultant complex as a sensor for Cl *RSC Advances*, **2013**, 3, 6160	3.7	28
45	Structural and optoelectronic characterization of prepared and Sb doped ZnO nanoparticles. *Journal of Materials Science: Materials in Electronics*, **2013**, 24, 44-52	2.1	20

44	ZnO nanoparticles decorated with organic anion receptor: Selective recognition of sulfate anion. *Materials Letters*, **2013**, 100, 19-22	3.3	14
43	Imine linked fluorescent chemosensor for Al3+ and resultant complex as a chemosensor for HSO4 anion. *Inorganic Chemistry Communication*, **2012**, 18, 79-82	3.1	59
42	Imine coupled ZnO based fluorescent chemosensor for the simultaneous estimation of Al3+ and Cr3+. *Materials Letters*, **2012**, 80, 78-80	3.3	18
41	Imine linked chemosensors coupled with ZnO: Fluorescent and chromogenic detection of Al3+. *Materials Letters*, **2012**, 84, 104-106	3.3	23
40	Surface decoration of ZnO nanoparticles: A new strategy to fine tune the recognition properties of imine linked receptor. *Sensors and Actuators B: Chemical*, **2012**, 166-167, 467-472	8.5	32
39	Benzimidazole-based imine-linked chemosensor: chromogenic sensor for Mg2+ and fluorescent sensor for Cr3+. *Tetrahedron*, **2012**, 68, 2289-2293	2.4	75
38	A benzimidazole-based fluorescent sensor for Cu2+ and its complex with a phosphate anion formed through a Cu2+ displacement approach. *Tetrahedron Letters*, **2012**, 53, 3292-3295	2	58
37	Fluorescent chemosensor for Al3+ and resultant complex as a chemosensor for perchlorate anion: First molecular security keypad lock based on Al3+ and ClO4 inputs. *Inorganic Chemistry Communication*, **2012**, 26, 31-36	3.1	45
36	Aminoanthraquinone-based chemosensors: colorimetric molecular logic mimicking molecular trafficking and a set-reset memorized device. *Dalton Transactions*, **2012**, 41, 5217-24	4.3	42
35	Benzimidazole-based fluorescent sensors for Cr3+ and their resultant complexes for sensing and F *Tetrahedron*, **2012**, 68, 8551-8556	2.4	37
34	Imine linked 1,8-naphthalimide: Chromogenic recognition of metal ions, density function theory and cytotoxic activity. *Inorganica Chimica Acta*, **2012**, 391, 83-87	2.7	18
33	Metal Derivatives of Heterocyclic-2-thiones: Crystal Structures of [Bis(diphenylphosphanyl)propane][bis(pyrimidine-2-thiolato)]ruthenium(II) and [Bis(diphenylphosphanyl)methane][bis(pyridine-2-thiolato)]ruthenium(II). *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2012**, 638, 195-200	1.3	5
32	Colorimetric metal ion sensors. *Tetrahedron*, **2011**, 67, 9233-9264	2.4	186
31	A benzthiazole-based tripodal chemosensor for Ba2+ recognition under biological conditions. *Tetrahedron Letters*, **2011**, 52, 6705-6708	2	15
30	Insights into the photophysics, protonation and Cu2+ ion coordination behaviour of anthracene-9,10-dione-based chemosensors. *Supramolecular Chemistry*, **2011**, 23, 768-776	1.8	8
29	HIF-1 inhibitors: synthesis and biological evaluation of novel moracin O and P analogues. *European Journal of Medicinal Chemistry*, **2011**, 46, 2386-96	6.8	45
28	Ratiometric fluorescent detection of Cu(II) in semi-aqueous solution using a two-fluorophore approach. *Tetrahedron Letters*, **2010**, 51, 3385-3387	2	57
27	AND molecular logic using semiconductor quantum dots. *Sensors and Actuators B: Chemical*, **2010**, 144, 88-91	8.5	34

26	Incorporation of siderophore binding sites in a dipodal fluorescent sensor for Fe(III). *Journal of Fluorescence*, **2009**, 19, 649-54	2.4	24
25	Fluorescent recognition of potassium and calcium ions using functionalised CdSe / ZnS quantum dots. *Journal of Fluorescence*, **2009**, 19, 777-82	2.4	21
24	A dual detecting polymeric sensor: chromogenic naked eye detection of silver and ratiometric fluorescent detection of manganese. *Tetrahedron Letters*, **2009**, 50, 4201-4204	2	58
23	Neuropharmacological profile of L-pGlu-(1-benzyl)-L-His-L-ProNH2, a newer thyrotropin-releasing hormone analog: effects on seizure models, sodium current, cerebral blood flow and behavioral parameters. *Epilepsy Research*, **2009**, 87, 223-33	3	7
22	A polymeric sensor for the chromogenic and luminescent detection of anions. *European Polymer Journal*, **2009**, 45, 272-277	5.2	30
21	A multifunctional tripodal fluorescent probe: "off-on" detection of sodium as well as two-input AND molecular logic behavior. *Organic Letters*, **2009**, 11, 2229-32	6.2	63
20	Antiepileptic potential and behavioral profile of L-pGlu-(2-propyl)-L-His-L-ProNH2, a newer thyrotropin-releasing hormone analog. *Epilepsy and Behavior*, **2009**, 14, 48-53	3.2	21
19	The first total synthesis of moracin O and moracin P, and establishment of the absolute configuration of moracin O. *Chemical Communications*, **2009**, 1879-81	5.8	37
18	An "off-on" sensor for fluoride using luminescent CdSe/ZnS quantum dots. *Chemical Communications*, **2009**, 686-8	5.8	86
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