Narinder Singh

List of Publications by Year in Descending Order

169 papers	3,646 citations	32 h-index	49 g-index
174 ext. papers	4,121 ext. citations	4.7 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	Pattern-based colorimetric sensor array to monitor food spoilage using automated high-throughput analysis. *Biosensors and Bioelectronics*, **2022**, 196, 113687	11.8	2
167	Gold nanoparticles capped DHPMs for meliorate detection of antiretroviral drug: Azidothymidine. *Talanta*, **2022**, 123591	6.2	0
166	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	
165	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
164	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
163	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
162	Molybdenum-based hetero-nanocomposites for cancer therapy, diagnosis and biosensing application: Current advancement and future breakthroughs. *Journal of Controlled Release*, **2021**, 330, 257-283	11.7	20
161	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	
160	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
159	Trends in small organic fluorescent scaffolds for detection of oxidoreductase. *Biosensors and Bioelectronics*, **2021**, 191, 113441	11.8	5
158	A biginelli-azophenol based robust sensor for rapid diagnosis of cyanide in real samples. *Dyes and Pigments*, **2021**, 195, 109702	4.6	2
157	Self-assembly of imidazolium/benzimidazolium cationic receptors: their environmental and biological applications. *New Journal of Chemistry*, **2020**, 44, 19360-19375	3.6	5
156	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
155	Terbium(III)-coated carbon quantum dots for the detection of clomipramine through aggregation-induced emission from the analyte. *New Journal of Chemistry*, **2020**, 44, 10536-10544	3.6	10
154	Synthesis of Nickel(II) Complexes of Novel Naphthalimide Based Heterodipodal Schiff Base Ligands, Structure, Characterization and Application for Degradation of Pesticides. *European Journal of Inorganic Chemistry*, **2020**, 2020, 3094-3102	2.3	1
153	Ionic Liquid-Functionalized Multiwalled Carbon Nanotube-Based Hydrophobic Coatings for Robust Antibacterial Applications.. *ACS Applied Bio Materials*, **2020**, 3, 2092-2103	4.1	11

152	A C-symmetrical tripodal acylhydrazone organogelator for the selective recognition of cyanide ions in the gel and solution phases: practical applications in food samples. *Soft Matter*, **2020**, 16, 6532-6538	3.6	12
151	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
150	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
149	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
148	Formation of a Au/AuGa Alloy Nanoshell on a Bacterial Surface through Galvanic Displacement Reaction for High-Contrast Imaging.. *ACS Applied Bio Materials*, **2020**, 3, 477-485	4.1	4
147	Exploration of highly selective fluorogenic 'on-off' chemosensor for H PO ions: ICT-based sensing and ATPase activity profiling. *Luminescence*, **2020**, 35, 379-384	2.5	1
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	Histidine-Naphthalimide based Organic-Inorganic Nanohybrid for Electrochemical Detection of Cyanide and Iodide ions. *ChemistrySelect*, **2020**, 5, 8246-8252	1.8	2
142	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
141	Hybrid nanoparticle based fluorescence switch for recognition of ketoprofen in aqueous media. *Molecular Systems Design and Engineering*, **2020**, 5, 1428-1436	4.6	4
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	IL@CQD catalyzed active ester rearrangement for the detection and removal of cyanide ions. *Analyst, The*, **2020**, 145, 3948-3957	5	6
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	A carbon quantum dot and rhodamine-based ratiometric fluorescent complex for the recognition of histidine in aqueous systems. *Materials Chemistry Frontiers*, **2019**, 3, 476-483	7.8	9
136	Disaggregation-induced ESIPT: a novel approach towards development of sensors for hyperglycemic condition. *New Journal of Chemistry*, **2019**, 43, 2065-2076	3.6	10
135	Simultaneous recognition of cysteine and cytosine using thiophene-based organic nanoparticles decorated with Au NPs and bio-imaging of cells. *Photochemical and Photobiological Sciences*, **2019**, 18, 1761-1772	4.2	24

134	A dipodal thiourea-ionic liquid conjugate system for selective ratiometric detection of HSO4− ion in purely aqueous medium: Application to real sample analysis. *Tetrahedron Letters*, **2019**, 60, 1457-1462	2	6
133	Synthesis of a 3,4-Disubstituted 1,8-Naphthalimide-Based DNA Intercalator for Direct Imaging of. *ACS Omega*, **2019**, 4, 5829-5838	3.9	8
132	A Dihomooxacalix[4]arene-gold nanohybrid based colorimetric sensor for sensitive and selective detection of iodide. *Supramolecular Chemistry*, **2019**, 31, 313-321	1.8	6
131	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
130	Metal-Organocatalyst for Detoxification of Phosphorothioate Pesticides: Demonstration of Acetylcholine Esterase Activity. *Inorganic Chemistry*, **2019**, 58, 9773-9784	5.1	5
129	Detoxification and Sensing of Organophosphate-Based Pesticides and Preservatives in Beverages **2019**, 467-510		1
128	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
127	Triazole-Coupled Benzimidazole-Based Fluorescent Sensor for Silver, Bromide, and Chloride Ions in Aqueous Media. *Journal of Fluorescence*, **2019**, 29, 945-952	2.4	7
126	Mitochondria- and nucleolus-targeted copper(i) complexes with pyrazole-linked triphenylphosphine moieties for live cell imaging. *Analyst, The*, **2019**, 145, 83-90	5	4
125	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
124	Fine Tuning of Polymer-Coated Gold Nanohybrids: Sensor for the Selective Detection of Quinalphos and Device Fabrication for Water Purification. *ACS Applied Nano Materials*, **2019**, 2, 1-5	5.6	8
123	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
122	Gold conjugated carbon dots nano assembly: FRET paired fluorescence probe for cysteine recognition. *Sensors and Actuators B: Chemical*, **2019**, 282, 515-522	8.5	25
121	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
120	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
119	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
118	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
117	From Dual to Discriminatory Sensing of CN-/F-Using Isomeric Molecules and Ascertained by Spectroscopic and DFT Methods. *ChemistrySelect*, **2018**, 3, 3225-3233	1.8	3

116	A facile route to ionic liquids-functionalized ZnO nanorods for the fluorometric sensing of thiabendazole drug. *Journal of Molecular Liquids*, **2018**, 261, 137-145	6	4
115	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
114	Carbon dots as analytical tools for sensing of thioredoxin reductase and screening of cancer cells. *Analyst, The*, **2018**, 143, 1853-1861	5	24
113	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
112	Selective recognition of Cr3+ in multivitamin formulations in aqueous medium by fluorescent organic□inorganic nanohybrids. *Research on Chemical Intermediates*, **2018**, 44, 3179-3197	2.8	5
111	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
110	Cu2+-driven metallo-supramolecular self-assembly and its application in sensing of hydroxyl ion. *Supramolecular Chemistry*, **2018**, 30, 52-60	1.8	
109	Chemosensors for biogenic amines and biothiols. *Journal of Materials Chemistry B*, **2018**, 6, 4872-4902	7.3	64
108	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
107	A highly selective naphthalimide-based ratiometric fluorescent probe for the recognition of tyrosinase and cellular imaging. *Analyst, The*, **2018**, 143, 4476-4483	5	23
106	ATP Induced Modulation in □Stacking Interactions in Pyrene Based Zinc Complexes: Chemosensor Study and Quantitative Investigation of Apyrase Activity. *Crystal Growth and Design*, **2018**, 18, 4320-4333	3.5	13
105	Augmenting static and dynamic mechanical strength of carbon nanotube/epoxy soft nanocomposites via modulation of purification and functionalization routes. *Soft Matter*, **2018**, 14, 291-300	3.6	10
104	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
103	Colorimetric detection and ratiometric quantification of mercury(II) using azophenol dye: □ip & read□based handheld prototype device development. *Journal of Materials Chemistry C*, **2018**, 6, 12728-12738	7.1	17
102	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
101	Naphthalimide-Based DNA-Coupled Hybrid Assembly for Sensing Dipicolinic Acid: A Biomarker for Bacillus anthracis Spores. *Langmuir*, **2018**, 34, 6591-6600	4	22
100	FRET and PET paired dual mechanistic carbon dots approach for tyrosinase sensing. *Journal of Materials Chemistry B*, **2018**, 6, 4139-4145	7.3	19
99	Development of pyrene-stacked carbon nanotube-based hybrid: measurement of NO ions using fluorescence spectroscopy. *Analyst, The*, **2018**, 143, 3343-3352	5	5

98	Solvent-Less Mechanochemical Approach to the Synthesis of Pyrimidine Derivatives. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 1468-1475	8.3	37
97	Dipodal colorimetric sensor for Ag+ and its resultant complex for iodide sensing using a cation displacement approach in water. *Tetrahedron Letters*, **2017**, 58, 1040-1045	2	26
96	Dihydropyrimidones based chloride ion chemosensor functional in aqueous solution under environmentally relevant conditions. *Supramolecular Chemistry*, **2017**, 29, 506-517	1.8	4
95	Syntheses and Photophysical Properties of Schiff Base Ni(II) Complexes: Application for Sustainable Antibacterial Activity and Cytotoxicity. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 6070-6080	8.3	54
94	Fluorescence Chemosensors for Chemical Warfare Agent Mimic Diethylcyanophosphonate Via Co2+-Naphthalimide Based Nanoaggregate in Aqueous Medium. *ChemistrySelect*, **2017**, 2, 4725-4732	1.8	0
93	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
92	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
91	Fabrication of branched nanostructures for CNT@Ag nano-hybrids: application in CO2 gas detection. *Journal of Materials Chemistry C*, **2017**, 5, 4226-4235	7.1	17
90	Syntheses, crystal structures and photophysical properties of Cu(ii) complexes: fine tuning of a coordination sphere for selective binding of azamethiphos. *Dalton Transactions*, **2017**, 46, 985-994	4.3	15
89	A 2-mercaptobenzimidazole-based emissive Cu(I) complex for selective determination of iodide with large Stokes shift. *Sensors and Actuators B: Chemical*, **2017**, 243, 372-379	8.5	20
88	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
87	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
86	A carbon quantum dot-encapsulated micellar reactor for the synthesis of chromene derivatives in water. *Molecular Catalysis*, **2017**, 439, 100-107	3.3	10
85	Carbon Dot Based, Naphthalimide Coupled FRET Pair for Highly Selective Ratiometric Detection of Thioredoxin Reductase and Cancer Screening. *ACS Applied Materials & Interfaces*, **2017**, 9, 25847-25856	9.5	51
84	Development of a Cr(III) ion selective fluorescence probe using organic nanoparticles and its real time applicability. *New Journal of Chemistry*, **2016**, 40, 278-284	3.6	22
83	Imine-Linked Electrochemical Sensor for Selective Detection of HSO4 Ions in Aqueous Media.. *ChemistrySelect*, **2016**, 1, 5967-5973	1.8	4
82	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
81	Thiourea Based Dipodal Receptor Development for Electrochemical Detection of Br Ion in an Aqueous Medium. *Electroanalysis*, **2016**, 28, 718-723	3	5

80	A novel zinc(II) and hydrogen sulphate selective fluorescent "turn-on" chemosensor based on isonicotiamide: INHIBIT type's logic gate and application in cancer cell imaging. *Analyst, The*, **2016**, 141, 1814-21	5	32
79	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
78	Polyamine Based Ratiometric Fluorescent Chemosensor for Strontium Metal Ion in Aqueous Medium: Application in Tap Water, River Water, and in Oral Care. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 94-101	8.3	20
77	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
76	Fluorescent organic nanoparticles (FONs) for the selective recognition of Zn2+: Applications to multi-vitamin formulations in aqueous medium. *Sensors and Actuators B: Chemical*, **2016**, 223, 59-67	8.5	30
75	Optical chemosensors for water sample analysis. *Journal of Materials Chemistry C*, **2016**, 4, 5154-5194	7.1	62
74	Fluorescent organic nanoparticles (FONs) for selective recognition of Al3+: application to bio-imaging for bacterial sample. *RSC Advances*, **2016**, 6, 37944-37952	3.7	30
73	Fluorescent Chemosensors for Selective and Sensitive Detection of Phosmet/Chlorpyrifos with Octahedral Ni(2+) Complexes. *Inorganic Chemistry*, **2016**, 55, 4874-83	5.1	29
72	Benzimidazolium-Based Self-Assembled Fluorescent Aggregates for Sensing and Catalytic Degradation of Diethylchlorophosphate. *ACS Applied Materials & Interfaces*, **2016**, 8, 28641-28651	9.5	27
71	A chemosensor showing discriminating fluorescent response for highly selective and nanomolar detection of Cu□+ and Zn□+ and its application in molecular logic gate. *Analytica Chimica Acta*, **2015**, 872, 63-9	6.6	46
70	Selective chemosensing of spermidine based on fluorescent organic nanoparticles in aqueous media via a Fe3+ displacement assay. *New Journal of Chemistry*, **2015**, 39, 3507-3512	3.6	31
69	Pyrimidine-based functional fluorescent organic nanoparticle probe for detection of Pseudomonas aeruginosa. *Organic and Biomolecular Chemistry*, **2015**, 13, 4673-9	3.9	34
68	A benzimidazolium-based mixed organic□inorganic polymer of Cu(II) ions for highly selective sensing of phosphates in water: applications for detection of harmful organophosphates. *Tetrahedron*, **2015**, 71, 6143-6147	2.4	28
67	Estimation of biogenic amines and biothiols by metal complex of fluorescent organic nanoparticles acting as single receptor multi-analyte sensor in aqueous medium. *Sensors and Actuators B: Chemical*, **2015**, 220, 295-301	8.5	14
66	Highly Selective and Efficient Reduction of Nitroarenes by Imidazolium Salt Stabilized Copper Nanoparticles in Aqueous Medium. *Catalysis Letters*, **2015**, 145, 1606-1611	2.8	8
65	Highly sensitive and selective determination of Hg2+ by using 3-((2-(1H-benzo[d]imidazol-2-yl)phenylimino)methyl)benzene-1,2-diol as fluorescent chemosensor and its application in real water sample. *Supramolecular Chemistry*, **2015**, 27, 527-532	1.8	14
64	Sensing in aqueous medium: mechanism and its application in the field of molecular recognition. *Analytical Methods*, **2015**, 7, 7000-7019	3.2	13
63	A benzimidazolium-based organic trication: a selective fluorescent sensor for detecting cysteine in water. *RSC Advances*, **2015**, 5, 72084-72089	3.7	29

62	An organic–inorganic nanohybrid of a calix[4]arene based chromogenic chemosensor for simultaneous estimation of ADP and NADH. *RSC Advances*, **2015**, 5, 105128-105135	3.7	2
61	A benzimidazole/benzothiazole-based electrochemical chemosensor for nanomolar detection of guanine. *RSC Advances*, **2015**, 5, 6962-6969	3.7	10
60	Fluorescent organic nanoparticles of dihydropyrimidone derivatives for selective recognition of iodide using a displacement assay: application of the sensors in water and biological fluids. *Organic and Biomolecular Chemistry*, **2015**, 13, 1204-12	3.9	19
59	One-pot synthesis of tricyclic dihydropyrimidine derivatives and their biological evaluation. *Tetrahedron*, **2015**, 71, 332-337	2.4	41
58	A two-in-one dual channel chemosensor for Fe3+ and Cu2+ with nanomolar detection mimicking the IMPLICATION logic gate. *Journal of Materials Chemistry C*, **2015**, 3, 453-460	7.1	73
57	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
56	Voltammetric Simultaneous Determination of Cu2+, Cd2+ and Pb2+ in Full Aqueous Medium Using Organic Nanoparticles of Disulfide Based Receptor. *Electroanalysis*, **2015**, 27, 2544-2551	3	11
55	Organic-inorganic hybrid nanoparticles for bacterial inhibition: synthesis and characterization of doped and undoped ONPs with Ag/Au NPs. *Molecules*, **2015**, 20, 6002-21	4.8	15
54	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
53	Design, synthesis and antimicrobial evaluation of dihydropyrimidone based organic–inorganic nano-hybrids. *RSC Advances*, **2015**, 5, 46654-46661	3.7	14
52	Nanohybrid Chemosensor for the Simultaneous Detection of Fluoride and Iodide in Aqueous System and Its Utility in Real Samples. *Electroanalysis*, **2015**, 27, 534-543	3	4
51	Development of electrochemical sensor for selective recognition of PO43− ions using organic nanoparticles of dipodal receptor in aqueous medium. *Electrochimica Acta*, **2015**, 182, 1112-1117	6.7	10
50	Aqueous-Phase Synthesis of Copper Nanoparticles Using Organic Nanoparticles: Application of Assembly in Detection of Cr3+. *ACS Sustainable Chemistry and Engineering*, **2014**, 2, 982-990	8.3	28
49	Kinetics and mechanism for the oxidation of anilines by ClO2: a combined experimental and computational study. *Journal of Physical Organic Chemistry*, **2014**, 27, 440-449	2.1	21
48	Highly sensitive ratiometric chemosensor for selective 'naked-eye' nanomolar detection of Co(2+) in semi-aqueous media. *ChemPhysChem*, **2014**, 15, 2230-5	3.2	29
47	Fluorogenic ratiometric dipodal optode containing imine-amide linkages: exploiting subtle thorium (IV) ion sensing. *Analytica Chimica Acta*, **2014**, 852, 196-202	6.6	24
46	Lysozyme Complexes for the Synthesis of Functionalized Biomaterials To Understand Protein–Protein Interactions and Their Biological Applications. *Journal of Physical Chemistry C*, **2014**, 118, 28207-28219	3.8	35
45	Organic–inorganic nanohybrids and their applications in silver extraction, chromogenic Cu2+ detection in biological systems, and hemolytic assay. *RSC Advances*, **2014**, 4, 21079-21088	3.7	9

44	Naphthalimide-based organic nanoparticles for aluminium recognition in acidic soil and aqueous media. *New Journal of Chemistry*, **2014**, 38, 4580	3.6	34
43	Design and syntheses of novel fluorescent organosilicon-based chemosensors through click silylation: detection of biogenic amines. *RSC Advances*, **2014**, 4, 36834-36844	3.7	36
42	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
41	Nanoaggregates of benzothiazole-based amidine-coupled chemosensors: a chemosensor for Ag+ and the resultant complex as a secondary sensor for Cl *RSC Advances*, **2014**, 4, 5316	3.7	9
40	Fluorometric appraisal of HSO4 in aqueous media and daily utilities using organic inorganic nanohybrids. *RSC Advances*, **2014**, 4, 48004-48011	3.7	19
39	2,2?-(Hydrazine-1,2-diylidenedimethylylidene)bis(6-isopropyl-3-methylphenol) based selective dual-channel chemosensor for Cu2+ in semi-aqueous media. *RSC Advances*, **2014**, 4, 39639-39644	3.7	32
38	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
37	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
36	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
35	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
34	2,2'-[Benzene-1,2-diylbis(iminomethanediyl)]diphenol derivative bearing two amine and hydroxyl groups as fluorescent receptor for Zinc(II) ion. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2014**, 126, 312-6	4.4	15
33	Imine-linked chemosensors for the detection of Zn2+ in biological samples. *RSC Advances*, **2014**, 4, 9784	3.7	22
32	Rhodamine based organic nanoparticles for sensing of Fe3+ with high selectivity in aqueous medium: Application to iron supplement analysis. *Sensors and Actuators B: Chemical*, **2014**, 204, 617-621	8.5	31
31	A ball-milling strategy for the synthesis of benzothiazole, benzimidazole and benzoxazole derivatives under solvent-free conditions. *Green Chemistry*, **2014**, 16, 4922-4930	10	92
30	Highly selective and sensitive receptor for Fe3+ probing. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2014**, 121, 569-74	4.4	31
29	Ratiometric fluorescent probe for biothiol in aqueous medium with fluorescent organic nanoparticles. *Talanta*, **2014**, 129, 198-202	6.2	13
28	A Cu(II) complex of an imidazolium-based ionic liquid: synthesis, X-ray structure and application in the selective electrochemical sensing of guanine. *Dalton Transactions*, **2014**, 43, 16283-8	4.3	30
27	Urea based organic nanoparticles for selective determination of NADH. *RSC Advances*, **2014**, 4, 61841-61846	3.7	16

26	Nanomolar Detection of AgI Ions in Aqueous Medium by Using Naphthalimide-Based Imine-Linked Fluorescent Organic Nanoparticles Application in Environmental Samples. *European Journal of Inorganic Chemistry*, **2014**, 2014, 5424-5431	2.3	10
25	A fluorescent and colorimetric sensor for nanomolar detection of Co2+ in water. *ChemPhysChem*, **2014**, 15, 3933-7	3.2	13
24	An amide based dipodal Zn2+ complex for multications recognition: Nanomolar detection. *Journal of Luminescence*, **2014**, 149, 190-195	3.8	22
23	Production of Nanocrystalline Ni-20Cr Coatings for High-Temperature Applications. *Journal of Thermal Spray Technology*, **2014**, 23, 692-707	2.5	18
22	Fluorescent organic nanoparticles of Biginelli-based molecules: recognition of Hg2+ and Cl- in an aqueous medium. *Inorganic Chemistry*, **2013**, 52, 13830-2	5.1	63
21	Fluorescent organic nanoparticles (FONs) of rhodamine-appended dipodal derivative: highly sensitive fluorescent sensor for the detection of Hg2+ in aqueous media. *New Journal of Chemistry*, **2013**, 37, 4192	3.6	34
20	ZnO-Based Imine-Linked Coupled Biocompatible Chemosensor for Nanomolar Detection of Co2+. *ACS Sustainable Chemistry and Engineering*, **2013**, 1, 1600-1608	8.3	47
19	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
18	Pyridyl- and benzimidazole-based ruthenium(III) complex for selective chloride recognition through fluorescence spectroscopy. *Analytical Methods*, **2013**, 5, 3880	3.2	21
17	Benzthiazole-based multifunctional chemosensor: fluorescent recognition of Fe3+ and chromogenic recognition of HSO4 *Tetrahedron*, **2013**, 69, 1606-1610	2.4	41
16	Benzimidazole-based imine-linked chemosensor: chromogenic sensor for Mg2+ and fluorescent sensor for Cr3+. *Tetrahedron*, **2012**, 68, 2289-2293	2.4	75
15	New tripodal and dipodal colorimetric sensors for anions based on tris/bis-urea/thiourea moieties. *Supramolecular Chemistry*, **2011**, 23, 790-800	1.8	30
14	An azo dye-coupled tripodal chromogenic sensor for cyanide. *Tetrahedron Letters*, **2011**, 52, 6919-6922	2	36
13	A benzimidazole-based single molecular multianalyte fluorescent probe for the simultaneous analysis of Cu2+ and Fe3+. *Tetrahedron Letters*, **2010**, 51, 1103-1106	2	97
12	Single sensor for multiple analytes: chromogenic detection of I and fluorescent detection of Fe3+. *Tetrahedron Letters*, **2010**, 51, 3962-3965	2	94
11	A new class of fluorescent chemosensors based on the -aminobisphosphonate receptor. *Supramolecular Chemistry*, **2009**, 21, 643-649	1.8	4
10	Incorporation of siderophore binding sites in a dipodal fluorescent sensor for Fe(III). *Journal of Fluorescence*, **2009**, 19, 649-54	2.4	24
9	Fluorescent recognition of potassium and calcium ions using functionalised CdSe / ZnS quantum dots. *Journal of Fluorescence*, **2009**, 19, 777-82	2.4	21

8	Selective and efficient tripodal receptors for competitive solvent extraction and bulk liquid membrane transport of Hg2+. *Journal of Hazardous Materials*, **2009**, 168, 727-31	12.8	11
7	Synthesis of calix[4]arene-based dipodal receptors: Competitive solvent extraction and liquid bulk membrane transport for selective recovery of Cu2+. *Supramolecular Chemistry*, **2009**, 21, 351-357	1.8	3
6	A nanoparticle based chromogenic chemosensor for the simultaneous detection of multiple analytes. *Chemical Communications*, **2008**, 4900-2	5.8	79
5	Highly Fe3+ selective ratiometric fluorescent probe based on imine-linked benzimidazole. *Tetrahedron Letters*, **2008**, 49, 2960-2964	2	98
4	Colorimetric anion chemosensor based on 2-aminobenzimidazole: naked-eye detection of biologically important anions. *Tetrahedron*, **2007**, 63, 9106-9111	2.4	63
3	Benzimidazole-based ratiometric fluorescent receptor for selective recognition of acetate. *Tetrahedron Letters*, **2007**, 48, 8846-8850	2	82
2	Benzimidazole-based tripodal receptor: highly selective fluorescent chemosensor for iodide in aqueous solution. *Organic Letters*, **2007**, 9, 1991-4	6.2	214
1	Synthesis, NMR, X-ray structural analyses and complexation studies of new Ag+ selective calix[4]arene based dipodal hosts□ co-complexation of neutral and charged species. *Tetrahedron*, **2004**, 60, 5393-5405	2.4	36