

Narinder Singh

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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	Benzimidazole-based tripodal receptor: highly selective fluorescent chemosensor for iodide in aqueous solution. <i>Organic Letters</i> , 2007 , 9, 1991-4	6.2	214
168	Highly Fe ³⁺ selective ratiometric fluorescent probe based on imine-linked benzimidazole. <i>Tetrahedron Letters</i> , 2008 , 49, 2960-2964	2	98
167	A benzimidazole-based single molecular multianalyte fluorescent probe for the simultaneous analysis of Cu ²⁺ and Fe ³⁺ . <i>Tetrahedron Letters</i> , 2010 , 51, 1103-1106	2	97
166	Single sensor for multiple analytes: chromogenic detection of I ⁻ and fluorescent detection of Fe ³⁺ . <i>Tetrahedron Letters</i> , 2010 , 51, 3962-3965	2	94
165	A ball-milling strategy for the synthesis of benzothiazole, benzimidazole and benzoxazole derivatives under solvent-free conditions. <i>Green Chemistry</i> , 2014 , 16, 4922-4930	10	92
164	Benzimidazole-based ratiometric fluorescent receptor for selective recognition of acetate. <i>Tetrahedron Letters</i> , 2007 , 48, 8846-8850	2	82
163	A nanoparticle based chromogenic chemosensor for the simultaneous detection of multiple analytes. <i>Chemical Communications</i> , 2008 , 4900-2	5.8	79
162	Benzimidazole-based imine-linked chemosensor: chromogenic sensor for Mg ²⁺ and fluorescent sensor for Cr ³⁺ . <i>Tetrahedron</i> , 2012 , 68, 2289-2293	2.4	75
161	A two-in-one dual channel chemosensor for Fe ³⁺ and Cu ²⁺ with nanomolar detection mimicking the IMPLICATION logic gate. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 453-460	7.1	73
160	Chemosensors for biogenic amines and biothiols. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 4872-4902	7.3	64
159	Fluorescent organic nanoparticles of Biginelli-based molecules: recognition of Hg ²⁺ and Cl ⁻ in an aqueous medium. <i>Inorganic Chemistry</i> , 2013 , 52, 13830-2	5.1	63
158	Colorimetric anion chemosensor based on 2-aminobenzimidazole: naked-eye detection of biologically important anions. <i>Tetrahedron</i> , 2007 , 63, 9106-9111	2.4	63
157	Synergetic catalytic effect of ionic liquids and ZnO nanoparticles on the selective synthesis of 1,2-disubstituted benzimidazoles using a ball-milling technique. <i>Green Chemistry</i> , 2015 , 17, 4263-4270	10	62
156	Optical chemosensors for water sample analysis. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 5154-5194	7.1	62
155	Syntheses and Photophysical Properties of Schiff Base Ni(II) Complexes: Application for Sustainable Antibacterial Activity and Cytotoxicity. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 6070-6080	8.3	54
154	Carbon Dot Based, Naphthalimide Coupled FRET Pair for Highly Selective Ratiometric Detection of Thioredoxin Reductase and Cancer Screening. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 25847-25856	8.5	51
153	ZnO-Based Imine-Linked Coupled Biocompatible Chemosensor for Nanomolar Detection of Co ²⁺ . <i>ACS Sustainable Chemistry and Engineering</i> , 2013 , 1, 1600-1608	8.3	47

152	A chemosensor showing discriminating fluorescent response for highly selective and nanomolar detection of Cu ²⁺ and Zn ²⁺ and its application in molecular logic gate. <i>Analytica Chimica Acta</i> , 2015 , 872, 63-9	6.6	46
151	One-pot synthesis of tricyclic dihydropyrimidine derivatives and their biological evaluation. <i>Tetrahedron</i> , 2015 , 71, 332-337	2.4	41
150	Benzthiazole-based multifunctional chemosensor: fluorescent recognition of Fe ³⁺ and chromogenic recognition of HSO ₄ ⁻ <i>Tetrahedron</i> , 2013 , 69, 1606-1610	2.4	41
149	Organic Nanoparticles for Visual Detection of Spermidine and Spermine in Vapors and Aqueous Phase. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 1287-1296	8.3	38
148	Solvent-Less Mechanochemical Approach to the Synthesis of Pyrimidine Derivatives. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 1468-1475	8.3	37
147	Design and syntheses of novel fluorescent organosilicon-based chemosensors through click silylation: detection of biogenic amines. <i>RSC Advances</i> , 2014 , 4, 36834-36844	3.7	36
146	An azo dye-coupled tripodal chromogenic sensor for cyanide. <i>Tetrahedron Letters</i> , 2011 , 52, 6919-6922	2	36
145	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. <i>Tetrahedron</i> , 2004 , 60, 5393-5405	2.4	36
144	Lysozyme Complexes for the Synthesis of Functionalized Biomaterials To Understand Protein-Protein Interactions and Their Biological Applications. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 28207-28219	3.8	35
143	Pyrimidine-based functional fluorescent organic nanoparticle probe for detection of <i>Pseudomonas aeruginosa</i> . <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 4673-9	3.9	34
142	Naphthalimide-based organic nanoparticles for aluminium recognition in acidic soil and aqueous media. <i>New Journal of Chemistry</i> , 2014 , 38, 4580	3.6	34
141	Fluorescent organic nanoparticles (FONs) of rhodamine-appended dipodal derivative: highly sensitive fluorescent sensor for the detection of Hg ²⁺ in aqueous media. <i>New Journal of Chemistry</i> , 2013 , 37, 4192	3.6	34
140	Ultrasensitive and Selective Sensing of Selenium Using Nitrogen-Rich Ligand Interfaced Carbon Quantum Dots. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 13448-13456	9.5	33
139	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. <i>Analyst, The</i> , 2016 , 141, 1814-21	5	32
138	2,2'-(Hydrazine-1,2-diylidenedimethylidene)bis(6-isopropyl-3-methylphenol) based selective dual-channel chemosensor for Cu ²⁺ in semi-aqueous media. <i>RSC Advances</i> , 2014 , 4, 39639-39644	3.7	32
137	Fluorometric sensing of Hg ²⁺ ions in aqueous medium by nano-aggregates of a tripodal receptor. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 2302-9	3.9	32
136	Selective chemosensing of spermidine based on fluorescent organic nanoparticles in aqueous media via a Fe ³⁺ displacement assay. <i>New Journal of Chemistry</i> , 2015 , 39, 3507-3512	3.6	31
135	Rhodamine based organic nanoparticles for sensing of Fe ³⁺ with high selectivity in aqueous medium: Application to iron supplement analysis. <i>Sensors and Actuators B: Chemical</i> , 2014 , 204, 617-621	8.5	31

134	Highly selective and sensitive receptor for Fe ³⁺ probing. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 121, 569-74	4.4	31
133	Fluorescent organic nanoparticles (FONs) for the selective recognition of Zn ²⁺ : Applications to multi-vitamin formulations in aqueous medium. <i>Sensors and Actuators B: Chemical</i> , 2016 , 223, 59-67	8.5	30
132	A Cu(II) complex of an imidazolium-based ionic liquid: synthesis, X-ray structure and application in the selective electrochemical sensing of guanine. <i>Dalton Transactions</i> , 2014 , 43, 16283-8	4.3	30
131	New tripodal and dipodal colorimetric sensors for anions based on tris/bis-urea/thiourea moieties. <i>Supramolecular Chemistry</i> , 2011 , 23, 790-800	1.8	30
130	Fluorescent organic nanoparticles (FONs) for selective recognition of Al ³⁺ : application to bio-imaging for bacterial sample. <i>RSC Advances</i> , 2016 , 6, 37944-37952	3.7	30
129	A benzimidazolium-based organic trication: a selective fluorescent sensor for detecting cysteine in water. <i>RSC Advances</i> , 2015 , 5, 72084-72089	3.7	29
128	Highly sensitive ratiometric chemosensor for selective 'naked-eye' nanomolar detection of Co(2+) in semi-aqueous media. <i>ChemPhysChem</i> , 2014 , 15, 2230-5	3.2	29
127	Fluorescent Chemosensors for Selective and Sensitive Detection of Phosmet/Chlorpyrifos with Octahedral Ni(2+) Complexes. <i>Inorganic Chemistry</i> , 2016 , 55, 4874-83	5.1	29
126	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. <i>Tetrahedron</i> , 2015 , 71, 6143-6147	2.4	28
125	Aqueous-Phase Synthesis of Copper Nanoparticles Using Organic Nanoparticles: Application of Assembly in Detection of Cr ³⁺ . <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 982-990	8.3	28
124	A counterion displacement assay with a Biginelli product: a ratiometric sensor for Hg ²⁺ and the resultant complex as a sensor for Cl ⁻ . <i>RSC Advances</i> , 2013 , 3, 6160	3.7	28
123	Benzimidazolium-Based Self-Assembled Fluorescent Aggregates for Sensing and Catalytic Degradation of Diethylchlorophosphate. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 28641-28651	9.5	27
122	Dipodal colorimetric sensor for Ag ⁺ and its resultant complex for iodide sensing using a cation displacement approach in water. <i>Tetrahedron Letters</i> , 2017 , 58, 1040-1045	2	26
121	Fluorescent organic nanoparticles of tripodal receptor as sensors for HSO ₄ ⁻ in aqueous medium: application to real sample analysis. <i>Analytical Methods</i> , 2014 , 6, 9030-9036	3.2	25
120	Gold conjugated carbon dots nano assembly: FRET paired fluorescence probe for cysteine recognition. <i>Sensors and Actuators B: Chemical</i> , 2019 , 282, 515-522	8.5	25
119	Simultaneous recognition of cysteine and cytosine using thiophene-based organic nanoparticles decorated with Au NPs and bio-imaging of cells. <i>Photochemical and Photobiological Sciences</i> , 2019 , 18, 1761-1772	4.2	24
118	Carbon dots as analytical tools for sensing of thioredoxin reductase and screening of cancer cells. <i>Analyst, The</i> , 2018 , 143, 1853-1861	5	24
117	Fluorogenic ratiometric dipodal optode containing imine-amide linkages: exploiting subtle thorium (IV) ion sensing. <i>Analytica Chimica Acta</i> , 2014 , 852, 196-202	6.6	24

116	Incorporation of siderophore binding sites in a dipodal fluorescent sensor for Fe(III). <i>Journal of Fluorescence</i> , 2009 , 19, 649-54	2.4	24
115	Development of Biological Self-Cleaning Wound-Dressing Gauze for the Treatment of Bacterial Infection. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 969-978	8.3	24
114	A highly selective naphthalimide-based ratiometric fluorescent probe for the recognition of tyrosinase and cellular imaging. <i>Analyst, The</i> , 2018 , 143, 4476-4483	5	23
113	Development of chemosensor for Sr(2+) using organic nanoparticles: application of sensor in product analysis for oral care. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 8230-8	3.9	23
112	Rhodamine-based fluorescent probe for sequential detection of Al ions and adenosine monophosphate in water. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 225, 117523	4.4	23
111	Development of a Cr(III) ion selective fluorescence probe using organic nanoparticles and its real time applicability. <i>New Journal of Chemistry</i> , 2016 , 40, 278-284	3.6	22
110	The Photochemical Degradation of Bacterial Cell Wall Using Penicillin-Based Carbon Dots: Weapons Against Multi-Drug Resistant (MDR) Strains. <i>ChemistrySelect</i> , 2017 , 2, 9277-9283	1.8	22
109	Selective recognition of lithium(I) ions using Biginelli based fluorescent organic nanoparticles in an aqueous medium. <i>RSC Advances</i> , 2016 , 6, 1792-1799	3.7	22
108	Imine-linked chemosensors for the detection of Zn ²⁺ in biological samples. <i>RSC Advances</i> , 2014 , 4, 9784	3.7	22
107	An amide based dipodal Zn ²⁺ complex for multications recognition: Nanomolar detection. <i>Journal of Luminescence</i> , 2014 , 149, 190-195	3.8	22
106	Naphthalimide-Based DNA-Coupled Hybrid Assembly for Sensing Dipicolinic Acid: A Biomarker for Bacillus anthracis Spores. <i>Langmuir</i> , 2018 , 34, 6591-6600	4	22
105	Kinetics and mechanism for the oxidation of anilines by ClO ₂ : a combined experimental and computational study. <i>Journal of Physical Organic Chemistry</i> , 2014 , 27, 440-449	2.1	21
104	Pyridyl- and benzimidazole-based ruthenium(III) complex for selective chloride recognition through fluorescence spectroscopy. <i>Analytical Methods</i> , 2013 , 5, 3880	3.2	21
103	Fluorescent recognition of potassium and calcium ions using functionalised CdSe / ZnS quantum dots. <i>Journal of Fluorescence</i> , 2009 , 19, 777-82	2.4	21
102	Fe(III) conjugated fluorescent organic nanoparticles for ratiometric detection of tyramine in aqueous medium: A novel method to determine food quality. <i>Food Chemistry</i> , 2018 , 245, 1257-1261	8.5	21
101	A 2-mercaptobenzimidazole-based emissive Cu(I) complex for selective determination of iodide with large Stokes shift. <i>Sensors and Actuators B: Chemical</i> , 2017 , 243, 372-379	8.5	20
100	Polyamine Based Ratiometric Fluorescent Chemosensor for Strontium Metal Ion in Aqueous Medium: Application in Tap Water, River Water, and in Oral Care. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 94-101	8.3	20
99	Molybdenum-based hetero-nanocomposites for cancer therapy, diagnosis and biosensing application: Current advancement and future breakthroughs. <i>Journal of Controlled Release</i> , 2021 , 330, 257-283	11.7	20

98	Fluorescent organic nanoparticles of dihydropyrimidone derivatives for selective recognition of iodide using a displacement assay: application of the sensors in water and biological fluids. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 1204-12	3.9	19
97	Ionic Liquid-Coated Carbon Nanotubes as Efficient Metal-Free Catalysts for the Synthesis of Chromene Derivatives. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 3714-3722	8.3	19
96	Fluorometric appraisal of HSO ₄ ⁻ in aqueous media and daily utilities using organic/inorganic nano-hybrids. <i>RSC Advances</i> , 2014 , 4, 48004-48011	3.7	19
95	FRET and PET paired dual mechanistic carbon dots approach for tyrosinase sensing. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 4139-4145	7.3	19
94	Production of Nanocrystalline Ni-20Cr Coatings for High-Temperature Applications. <i>Journal of Thermal Spray Technology</i> , 2014 , 23, 692-707	2.5	18
93	Fabrication of branched nanostructures for CNT@Ag nano-hybrids: application in CO ₂ gas detection. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 4226-4235	7.1	17
92	A Biginelli-based organic nanoprobe for simultaneous estimation of tyramine and 1,2-diaminopropane: application in real samples. <i>New Journal of Chemistry</i> , 2016 , 40, 10536-10544	3.6	17
91	Colorimetric detection and ratiometric quantification of mercury(II) using azophenol dye: Dip & read based handheld prototype device development. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 12728-12738	7.1	17
90	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. <i>Analytica Chimica Acta</i> , 2018 , 1009, 1-11	6.6	16
89	A highly fluorescent sensor based on hybrid nanoparticles for selective determination of furosemide in aqueous medium. <i>Sensors and Actuators B: Chemical</i> , 2016 , 228, 221-230	8.5	16
88	Urea based organic nanoparticles for selective determination of NADH. <i>RSC Advances</i> , 2014 , 4, 61841-61846	3.4	16
87	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. <i>New Journal of Chemistry</i> , 2017 , 41, 3872-3881	3.6	15
86	Syntheses, crystal structures and photophysical properties of Cu(II) complexes: fine tuning of a coordination sphere for selective binding of azamethiphos. <i>Dalton Transactions</i> , 2017 , 46, 985-994	4.3	15
85	2,2'-[Benzene-1,2-diylbis(iminomethanediyl)]diphenol derivative bearing two amine and hydroxyl groups as fluorescent receptor for Zinc(II) ion. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 126, 312-6	4.4	15
84	Organic-inorganic hybrid nanoparticles for bacterial inhibition: synthesis and characterization of doped and undoped ONPs with Ag/Au NPs. <i>Molecules</i> , 2015 , 20, 6002-21	4.8	15
83	Estimation of biogenic amines and biothiols by metal complex of fluorescent organic nanoparticles acting as single receptor multi-analyte sensor in aqueous medium. <i>Sensors and Actuators B: Chemical</i> , 2015 , 220, 295-301	8.5	14
82	Highly sensitive and selective determination of Hg ²⁺ 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. <i>Supramolecular Chemistry</i> , 2015 , 27, 527-532	1.8	14
81	Benzimidazole-Based Imine-Linked Copper Complexes in Food Safety: Selective Detection of Cyproheptadine and Thiabendazole. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 3723-3732	8.3	14

80	Design, synthesis and antimicrobial evaluation of dihydropyrimidone based organic/inorganic nano-hybrids. <i>RSC Advances</i> , 2015 , 5, 46654-46661	3.7	14
79	Sensing in aqueous medium: mechanism and its application in the field of molecular recognition. <i>Analytical Methods</i> , 2015 , 7, 7000-7019	3.2	13
78	Ratiometric fluorescent probe for biothiol in aqueous medium with fluorescent organic nanoparticles. <i>Talanta</i> , 2014 , 129, 198-202	6.2	13
77	A fluorescent and colorimetric sensor for nanomolar detection of Co ²⁺ in water. <i>ChemPhysChem</i> , 2014 , 15, 3933-7	3.2	13
76	ATP Induced Modulation in π -Stacking Interactions in Pyrene Based Zinc Complexes: Chemosensor Study and Quantitative Investigation of Apyrase Activity. <i>Crystal Growth and Design</i> , 2018 , 18, 4320-4333	3.5	13
75	A C-symmetrical tripodal acylhydrazone organogelator for the selective recognition of cyanide ions in the gel and solution phases: practical applications in food samples. <i>Soft Matter</i> , 2020 , 16, 6532-6538	3.6	12
74	Ionic Liquid-Functionalized Multiwalled Carbon Nanotube-Based Hydrophobic Coatings for Robust Antibacterial Applications.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 2092-2103	4.1	11
73	Voltammetric Simultaneous Determination of Cu ²⁺ , Cd ²⁺ and Pb ²⁺ in Full Aqueous Medium Using Organic Nanoparticles of Disulfide Based Receptor. <i>Electroanalysis</i> , 2015 , 27, 2544-2551	3	11
72	Selective and efficient tripodal receptors for competitive solvent extraction and bulk liquid membrane transport of Hg ²⁺ . <i>Journal of Hazardous Materials</i> , 2009 , 168, 727-31	12.8	11
71	Disaggregation-induced ESIPT: a novel approach towards development of sensors for hyperglycemic condition. <i>New Journal of Chemistry</i> , 2019 , 43, 2065-2076	3.6	10
70	A benzimidazole/benzothiazole-based electrochemical chemosensor for nanomolar detection of guanine. <i>RSC Advances</i> , 2015 , 5, 6962-6969	3.7	10
69	Terbium(III)-coated carbon quantum dots for the detection of clomipramine through aggregation-induced emission from the analyte. <i>New Journal of Chemistry</i> , 2020 , 44, 10536-10544	3.6	10
68	A carbon quantum dot-encapsulated micellar reactor for the synthesis of chromene derivatives in water. <i>Molecular Catalysis</i> , 2017 , 439, 100-107	3.3	10
67	Development of electrochemical sensor for selective recognition of PO ₄ ³⁻ ions using organic nanoparticles of dipodal receptor in aqueous medium. <i>Electrochimica Acta</i> , 2015 , 182, 1112-1117	6.7	10
66	Nanomolar Detection of Ag ^I Ions in Aqueous Medium by Using Naphthalimide-Based Imine-Linked Fluorescent Organic Nanoparticles [Application in Environmental Samples. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 5424-5431	2.3	10
65	Augmenting static and dynamic mechanical strength of carbon nanotube/epoxy soft nanocomposites via modulation of purification and functionalization routes. <i>Soft Matter</i> , 2018 , 14, 291-300	3.6	10
64	A carbon quantum dot and rhodamine-based ratiometric fluorescent complex for the recognition of histidine in aqueous systems. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 476-483	7.8	9
63	Cobalt complexes of Biginelli derivatives as fluorescent probes for selective estimation and degradation of organophosphates in aqueous medium. <i>Dalton Transactions</i> , 2018 , 47, 5595-5606	4.3	9

62	Organic/inorganic nanohybrids and their applications in silver extraction, chromogenic Cu ²⁺ detection in biological systems, and hemolytic assay. <i>RSC Advances</i> , 2014 , 4, 21079-21088	3.7	9
61	Nanoaggregates of benzothiazole-based amidine-coupled chemosensors: a chemosensor for Ag ⁺ and the resultant complex as a secondary sensor for Cl ⁻ . <i>RSC Advances</i> , 2014 , 4, 5316	3.7	9
60	Colorimetric Detection of Spermine by the Cu(II) Complex of Imine-Based Organic Nanoaggregates in Aqueous Medium. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 4437-4442	2.3	9
59	A biscoumarin scaffold as an efficient anti-Zika virus lead with NS3-helicase inhibitory potential: in vitro and in silico investigations. <i>New Journal of Chemistry</i> , 2020 , 44, 1872-1880	3.6	9
58	Synthesis of a 3,4-Disubstituted 1,8-Naphthalimide-Based DNA Intercalator for Direct Imaging of. <i>ACS Omega</i> , 2019 , 4, 5829-5838	3.9	8
57	Highly Selective and Efficient Reduction of Nitroarenes by Imidazolium Salt Stabilized Copper Nanoparticles in Aqueous Medium. <i>Catalysis Letters</i> , 2015 , 145, 1606-1611	2.8	8
56	Fine Tuning of Polymer-Coated Gold Nanohybrids: Sensor for the Selective Detection of Quinalphos and Device Fabrication for Water Purification. <i>ACS Applied Nano Materials</i> , 2019 , 2, 1-5	5.6	8
55	Polydentate Aromatic Nanoparticles Complexed with Cu ²⁺ for the Detection of Cysteamine Using a Smartphone as a Portable Diagnostic Tool. <i>ACS Applied Nano Materials</i> , 2019 , 2, 5841-5849	5.6	7
54	Triazole-Coupled Benzimidazole-Based Fluorescent Sensor for Silver, Bromide, and Chloride Ions in Aqueous Media. <i>Journal of Fluorescence</i> , 2019 , 29, 945-952	2.4	7
53	Polymer-based biocompatible fluorescent sensor for nano-molar detection of Zn ²⁺ in aqueous medium and biological samples. <i>Inorganic Chemistry Frontiers</i> , 2014 , 1, 99	6.8	7
52	Anticancer SAR establishment and novel accruing signal transduction model of drug action using biscoumarin scaffold. <i>Computational Biology and Chemistry</i> , 2019 , 83, 107104	3.6	6
51	A dipodal thiourea-ionic liquid conjugate system for selective ratiometric detection of HSO ₄ ⁻ ion in purely aqueous medium: Application to real sample analysis. <i>Tetrahedron Letters</i> , 2019 , 60, 1457-1462	2	6
50	A Dihomooxalix[4]arene-gold nanohybrid based colorimetric sensor for sensitive and selective detection of iodide. <i>Supramolecular Chemistry</i> , 2019 , 31, 313-321	1.8	6
49	A naphthalimide-based novel "Turn-On" fluorescence approach for the determination of uric acid and monitoring of xanthine oxidase activity. <i>Analytical Methods</i> , 2019 , 11, 4190-4196	3.2	6
48	Voltammetry of nanoparticle-coupled imine linkage-based receptors for sensing of Al(III) and Co(II) ions. <i>Journal of Applied Electrochemistry</i> , 2014 , 44, 1239-1251	2.6	6
47	Naphthalimide-gold-based nanocomposite for the ratiometric detection of okadaic acid in shellfish. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 8405-8413	7.3	6
46	A low-cost device for rapid color to concentration quantification of cyanide in real samples using paper-based sensing chip. <i>Sensors and Actuators B: Chemical</i> , 2020 , 322, 128622	8.5	6
45	IL@CQD catalyzed active ester rearrangement for the detection and removal of cyanide ions. <i>Analyst</i> , 2020 , 145, 3948-3957	5	6

44	Self-assembly of imidazolium/benzimidazolium cationic receptors: their environmental and biological applications. <i>New Journal of Chemistry</i> , 2020 , 44, 19360-19375	3.6	5
43	Selective recognition of Cr ³⁺ in multivitamin formulations in aqueous medium by fluorescent organic/inorganic nanohybrids. <i>Research on Chemical Intermediates</i> , 2018 , 44, 3179-3197	2.8	5
42	Thiourea Based Dipodal Receptor Development for Electrochemical Detection of Br ⁻ Ion in an Aqueous Medium. <i>Electroanalysis</i> , 2016 , 28, 718-723	3	5
41	Metal-Organocatalyst for Detoxification of Phosphorothioate Pesticides: Demonstration of Acetylcholine Esterase Activity. <i>Inorganic Chemistry</i> , 2019 , 58, 9773-9784	5.1	5
40	Development of an Ionic Liquid@Metal-Based Nanocomposite-Loaded Hierarchical Hydrophobic Surface to the Aluminum Substrate for Antibacterial Properties.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 4962-4973	4.1	5
39	High Performance Fluorescent Turn-On Probe for Amitriptyline Based on Hybrid Nanoassembly of Organic-Inorganic Nanoparticles.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 135-143	4.1	5
38	Development of pyrene-stacked carbon nanotube-based hybrid: measurement of NO ions using fluorescence spectroscopy. <i>Analyst, The</i> , 2018 , 143, 3343-3352	5	5
37	Trends in small organic fluorescent scaffolds for detection of oxidoreductase. <i>Biosensors and Bioelectronics</i> , 2021 , 191, 113441	11.8	5
36	Dihydropyrimidones based chloride ion chemosensor functional in aqueous solution under environmentally relevant conditions. <i>Supramolecular Chemistry</i> , 2017 , 29, 506-517	1.8	4
35	Multifunctional Receptor with Tunable Selectivity: A Comparative Recognition Profile of Organic Nanoparticles with Carbon Dots. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 2160-2165	4.5	4
34	Design and synthesis of a novel coumarin-based framework as a potential chemomarker of a neurotoxic insecticide, azamethiphos. <i>New Journal of Chemistry</i> , 2020 , 44, 3341-3349	3.6	4
33	A facile route to ionic liquids-functionalized ZnO nanorods for the fluorometric sensing of thiabendazole drug. <i>Journal of Molecular Liquids</i> , 2018 , 261, 137-145	6	4
32	Imine-Linked Electrochemical Sensor for Selective Detection of HSO ₄ ⁻ Ions in Aqueous Media.. <i>ChemistrySelect</i> , 2016 , 1, 5967-5973	1.8	4
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