Narinder Singh

List of Publications by Year
in descending order

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174	4,596	109321	161849
papers	citations	35 h-index	54 g-index

174	174	174	4588
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Benzimidazole-Based Tripodal Receptor:Â Highly Selective Fluorescent Chemosensor for Iodide in Aqueous Solution. Organic Letters, 2007, 9, 1991-1994.	4.6	225
2	A benzimidazole-based single molecular multianalyte fluorescent probe for the simultaneous analysis of Cu2+ and Fe3+. Tetrahedron Letters, 2010, 51, 1103-1106.	1.4	111
3	A ball-milling strategy for the synthesis of benzothiazole, benzimidazole and benzoxazole derivatives under solvent-free conditions. Green Chemistry, 2014, 16, 4922-4930.	9.0	105
4	Single sensor for multiple analytes: chromogenic detection of Iâ¯ and fluorescent detection of Fe3+. Tetrahedron Letters, 2010, 51, 3962-3965.	1.4	104
5	Highly Fe3+ selective ratiometric fluorescent probe based on imine-linked benzimidazole. Tetrahedron Letters, 2008, 49, 2960-2964.	1.4	103
6	Chemosensors for biogenic amines and biothiols. Journal of Materials Chemistry B, 2018, 6, 4872-4902.	5.8	102
7	Optical chemosensors for water sample analysis. Journal of Materials Chemistry C, 2016, 4, 5154-5194.	5.5	91
8	A nanoparticle based chromogenic chemosensor for the simultaneous detection of multiple analytes. Chemical Communications, 2008, , 4900.	4.1	85
9	Benzimidazole-based ratiometric fluorescent receptor for selective recognition of acetate. Tetrahedron Letters, 2007, 48, 8846-8850.	1.4	84
10	Benzimidazole-based imine-linked chemosensor: chromogenic sensor for Mg2+ and fluorescent sensor for Cr3+. Tetrahedron, 2012, 68, 2289-2293.	1.9	83
11	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.	9.0	79
12	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.	5.5	77
13	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.	6.7	75
14	Colorimetric anion chemosensor based on 2-aminobenzimidazole: naked-eye detection of biologically important anions. Tetrahedron, 2007, 63, 9106-9111.	1.9	66
15	Fluorescent Organic Nanoparticles of Biginelli-Based Molecules: Recognition of Hg²⁺ and Cl^{â€“} in an Aqueous Medium. Inorganic Chemistry, 2013, 52, 13830-13832.	4.0	64
16	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.	8.0	64
17	ZnO-Based Imine-Linked Coupled Biocompatible Chemosensor for Nanomolar Detection of Co²⁺. ACS Sustainable Chemistry and Engineering, 2013, 1, 1600-1608.	6.7	54
18	A chemosensor showing discriminating fluorescent response for highly selective and nanomolar detection of Cu2+ and Zn2+ and its application in molecular logic gate. Analytica Chimica Acta, 2015, 872, 63-69.	5.4	54

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19	Organic Nanoparticles for Visual Detection of Spermidine and Spermine in Vapors and Aqueous Phase. ACS Sustainable Chemistry and Engineering, 2017, 5, 1287-1296.	6.7	51
20	One-pot synthesis of tricyclic dihydropyrimidine derivatives and their biological evaluation. Tetrahedron, 2015, 71, 332-337.	1.9	49
21	Benzthiazole-based multifunctional chemosensor: fluorescent recognition of Fe3+ and chromogenic recognition of. Tetrahedron, 2013, 69, 1606-1610.	1.9	48
22	â€œSolvent-Lessâ€•Mechanochemical Approach to the Synthesis of Pyrimidine Derivatives. ACS Sustainable Chemistry and Engineering, 2017, 5, 1468-1475.	6.7	47
23	Molybdenum-based hetero-nanocomposites for cancer therapy, diagnosis and biosensing application: Current advancement and future breakthroughs. Journal of Controlled Release, 2021, 330, 257-283.	9.9	45
24	Ultrasensitive and Selective Sensing of Selenium Using Nitrogen-Rich Ligand Interfaced Carbon Quantum Dots. ACS Applied Materials & Interfaces, 2017, 9, 13448-13456.	8.0	44
25	Lysozyme Complexes for the Synthesis of Functionalized Biomaterials To Understand Proteinâ€“Protein Interactions and Their Biological Applications. Journal of Physical Chemistry C, 2014, 118, 28207-28219.	3.1	43
26	The Photochemical Degradation of Bacterial Cell Wall Using Penicillin-Based Carbon Dots: Weapons Against Multi-Drug Resistant (MDR) Strains. ChemistrySelect, 2017, 2, 9277-9283.	1.5	43
27	Rhodamine-based fluorescent probe for sequential detection of Al3+ ions and adenosine monophosphate in water. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 225, 117523.	3.9	42
28	Synthesis, NMR, X-ray structural analyses and complexation studies of new Ag+ selective calix[4]arene based dipodal hostsâ€”a co-complexation of neutral and charged species. Tetrahedron, 2004, 60, 5393-5405.	1.9	38
29	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.	2.8	38
30	Design and syntheses of novel fluorescent organosilicon-based chemosensors through click silylation: detection of biogenic amines. RSC Advances, 2014, 4, 36834-36844.	3.6	38
31	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.	7.8	38
32	Fluorometric sensing of Hg2+ ions in aqueous medium by nano-aggregates of a tripodal receptor. Organic and Biomolecular Chemistry, 2014, 12, 2302.	2.8	37
33	An azo dye-coupled tripodal chromogenic sensor for cyanide. Tetrahedron Letters, 2011, 52, 6919-6922.	1.4	36
34	Pyrimidine-based functional fluorescent organic nanoparticle probe for detection of Pseudomonas aeruginosa. Organic and Biomolecular Chemistry, 2015, 13, 4673-4679.	2.8	36
35	Fluorescent Chemosensors for Selective and Sensitive Detection of Phosmet/Chlorpyrifos with Octahedral Ni2+ Complexes. Inorganic Chemistry, 2016, 55, 4874-4883.	4.0	35
36	A novel zinc(<scp>ii</scp>) and hydrogen sulphate selective fluorescent â€œturn-onâ€•chemosensor based on isonicotiamide: INHIBIT type's logic gate and application in cancer cell imaging. Analyst, The, 2016, 141, 1814-1821.	3.5	35

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37	Development of Biological Self-Cleaning Wound-Dressing Gauze for the Treatment of Bacterial Infection. ACS Sustainable Chemistry and Engineering, 2019, 7, 969-978.	6.7	35
38	Naphthalimide-based organic nanoparticles for aluminium recognition in acidic soil and aqueous media. New Journal of Chemistry, 2014, 38, 4580.	2.8	34
39	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.	2.8	34
40	Gold conjugated carbon dots nano assembly: FRET paired fluorescence probe for cysteine recognition. Sensors and Actuators B: Chemical, 2019, 282, 515-522.	7.8	34
41	2,2â€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.	3.6	33
42	Highly selective and sensitive receptor for Fe3+ probing. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 121, 569-574.	3.9	33
43	Fluorescent organic nanoparticles (FONs) for the selective recognition of Zn 2+ : Applications to multi-vitamin formulations in aqueous medium. Sensors and Actuators B: Chemical, 2016, 223, 59-67.	7.8	33
44	FRET and PET paired dual mechanistic carbon dots approach for tyrosinase sensing. Journal of Materials Chemistry B, 2018, 6, 4139-4145.	5.8	33
45	New tripodal and dipodal colorimetric sensors for anions based on tris/bis-urea/thiourea moieties. Supramolecular Chemistry, 2011, 23, 790-800.	1.2	32
46	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.	6.7	32
47	Fluorescent organic nanoparticles (FONs) for selective recognition of Al³⁺: application to bio-imaging for bacterial sample. RSC Advances, 2016, 6, 37944-37952.	3.6	32
48	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.	1.4	32
49	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.	2.9	32
50	A low-cost device for rapid â€˜color to concentrationâ€™ quantification of cyanide in real samples using paper-based sensing chip. Sensors and Actuators B: Chemical, 2020, 322, 128622.	7.8	32
51	A counterion displacement assay with a Biginelli product: a ratiometric sensor for Hg2+ and the resultant complex as a sensor for Clâ». RSC Advances, 2013, 3, 6160.	3.6	31
52	Highly Sensitive Ratiometric Chemosensor for Selective â€²Nakedâ€Eyeâ€² Nanomolar Detection of Co²⁺ in Semiâ€Aqueous Media. ChemPhysChem, 2014, 15, 2230-2235.	2.1	31
53	Fluorogenic ratiometric dipodal optode containing imine-amide linkages: Exploiting subtle thorium (IV) ion sensing. Analytica Chimica Acta, 2014, 852, 196-202.	5.4	31
54	Fluorescent organic nanoparticles of tripodal receptor as sensors for HSO₄^{â»}in aqueous medium: application to real sample analysis. Analytical Methods, 2014, 6, 9030-9036.	2.7	31

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55	Benzimidazolium-Based Self-Assembled Fluorescent Aggregates for Sensing and Catalytic Degradation of Diethylchlorophosphate. ACS Applied Materials & Interfaces, 2016, 8, 28641-28651.	8.0	31
56	Colorimetric detection and ratiometric quantification of mercury(<scp>ii</scp>) using azophenol dye: â€˜dip & readâ€™ based handheld prototype device development. Journal of Materials Chemistry C, 2018, 6, 12728-12738.	5.5	31
57	A Cu(<scp>ii</scp>) complex of an imidazolium-based ionic liquid: synthesis, X-ray structure and application in the selective electrochemical sensing of guanine. Dalton Transactions, 2014, 43, 16283-16288.	3.3	30
58	A benzimidazolium-based organic trication: a selective fluorescent sensor for detecting cysteine in water. RSC Advances, 2015, 5, 72084-72089.	3.6	30
59	Naphthalimide-Based DNA-Coupled Hybrid Assembly for Sensing Dipicolinic Acid: A Biomarker for Bacillus anthracis Spores. Langmuir, 2018, 34, 6591-6600.	3.5	30
60	Development of chemosensor for Sr²⁺using organic nanoparticles: application of sensor in product analysis for oral care. Organic and Biomolecular Chemistry, 2014, 12, 8230-8238.	2.8	29
61	A benzimidazolium-based mixed organicâ€“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.	1.9	29
62	Carbon dots as analytical tools for sensing of thioredoxin reductase and screening of cancer cells. Analyst, The, 2018, 143, 1853-1861.	3.5	29
63	A highly selective naphthalimide-based ratiometric fluorescent probe for the recognition of tyrosinase and cellular imaging. Analyst, The, 2018, 143, 4476-4483.	3.5	29
64	Pattern-based colorimetric sensor array to monitor food spoilage using automated high-throughput analysis. Biosensors and Bioelectronics, 2022, 196, 113687.	10.1	28
65	Incorporation of Siderophore Binding Sites in a Dipodal Fluorescent Sensor for Fe(III). Journal of Fluorescence, 2009, 19, 649-654.	2.5	26
66	An amide based dipodal Zn2+ complex for multications recognition: Nanomolar detection. Journal of Luminescence, 2014, 149, 190-195.	3.1	26
67	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.	6.7	26
68	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.	8.2	26
69	Ionic Liquid-Functionalized Multiwalled Carbon Nanotube-Based Hydrophobic Coatings for Robust Antibacterial Applications. ACS Applied Bio Materials, 2020, 3, 2092-2103.	4.6	26
70	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.	1.9	25
71	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.	6.7	25
72	Development of a Cr(<scp>iii</scp>) ion selective fluorescence probe using organic nanoparticles and its real time applicability. New Journal of Chemistry, 2016, 40, 278-284.	2.8	25

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73	Benzimidazole-Based Imine-Linked Copper Complexes in Food Safety: Selective Detection of Cyproheptadine and Thiabendazole. ACS Sustainable Chemistry and Engineering, 2018, 6, 3723-3732.	6.7	25
74	Pyridyl- and benzimidazole-based ruthenium(iii) complex for selective chloride recognition through fluorescence spectroscopy. Analytical Methods, 2013, 5, 3880.	2.7	24
75	Selective recognition of lithium(i) ions using Biginelli based fluorescent organic nanoparticles in an aqueous medium. RSC Advances, 2016, 6, 1792-1799.	3.6	24
76	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.	7.8	24
77	Disaggregation-induced ESIPT: a novel approach towards development of sensors for hyperglycemic condition. New Journal of Chemistry, 2019, 43, 2065-2076.	2.8	24
78	Fluorescent Recognition of Potassium and Calcium Ions Using Functionalised CdSe / ZnS Quantum Dots. Journal of Fluorescence, 2009, 19, 777-782.	2.5	23
79	Production of Nanocrystalline Ni-20Cr Coatings for High-Temperature Applications. Journal of Thermal Spray Technology, 2014, 23, 692-707.	3.1	23
80	Imine-linked chemosensors for the detection of Zn2+ in biological samples. RSC Advances, 2014, 4, 9784.	3.6	23
81	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.	2.8	22
82	Highly selective and sensitive fluorescence sensing of nanomolar Zn2+ 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.	5.4	22
83	Triazole-Coupled Benzimidazole-Based Fluorescent Sensor for Silver, Bromide, and Chloride Ions in Aqueous Media. Journal of Fluorescence, 2019, 29, 945-952.	2.5	22
84	Terbium(<scp>iii</scp>)-coated carbon quantum dots for the detection of clomipramine through aggregation-induced emission from the analyte. New Journal of Chemistry, 2020, 44, 10536-10544.	2.8	22
85	Fluorometric appraisal of HSO₄^{â^'}in aqueous media and daily utilities using organicâ€“inorganic nanohybrids. RSC Advances, 2014, 4, 48004-48011.	3.6	20
86	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, 1204-1212.	2.8	20
87	Fabrication of branched nanostructures for CNT@Ag nano-hybrids: application in CO₂ gas detection. Journal of Materials Chemistry C, 2017, 5, 4226-4235.	5.5	20
88	Syntheses, crystal structures and photophysical properties of Cu(<scp>ii</scp>) complexes: fine tuning of a coordination sphere for selective binding of azamethiphos. Dalton Transactions, 2017, 46, 985-994.	3.3	20
89	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.	7.8	19
90	Urea based organic nanoparticles for selective determination of NADH. RSC Advances, 2014, 4, 61841-61846.	3.6	18

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91	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.	5.9	18
92	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.	1.2	17
93	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.	2.8	17
94	2,2â€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, 312-316.	3.9	16
95	Organic-Inorganic Hybrid Nanoparticles for Bacterial Inhibition: Synthesis and Characterization of Doped and Undoped ONPs with Ag/Au NPs. Molecules, 2015, 20, 6002-6021.	3.8	16
96	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.	7.8	16
97	A Fluorescent and Colorimetric Sensor for Nanomolar Detection of Co²⁺ in Water. ChemPhysChem, 2014, 15, 3933-3937.	2.1	15
98	A carbon quantum dot-encapsulated micellar reactor for the synthesis of chromene derivatives in water. Molecular Catalysis, 2017, 439, 100-107.	2.0	15
99	Synthesis of a 3,4-Disubstituted 1,8-Naphthalimide-Based DNA Intercalator for Direct Imaging of Legionella pneumophila. ACS Omega, 2019, 4, 5829-5838.	3.5	15
100	Naphthalimide-gold-based nanocomposite for the ratiometric detection of okadaic acid in shellfish. Journal of Materials Chemistry B, 2020, 8, 8405-8413.	5.8	15
101	ATP Induced Modulation in Ï€â€“Ï€ Stacking Interactions in Pyrene Based Zinc Complexes: Chemosensor Study and Quantitative Investigation of Apyrase Activity. Crystal Growth and Design, 2018, 18, 4320-4333.	3.0	15
102	Organic Cation Receptor for Colorimetric Lateral Flow Device: Detection of Zearalenone in Food Samples. ACS Applied Materials & Interfaces, 2022, 14, 910-919.	8.0	15
103	Ratiometric fluorescent probe for biothiol in aqueous medium with fluorescent organic nanoparticles. Talanta, 2014, 129, 198-202.	5.5	14
104	Design, synthesis and antimicrobial evaluation of dihydropyrimidone based organicâ€“inorganic nano-hybrids. RSC Advances, 2015, 5, 46654-46661.	3.6	14
105	Development of electrochemical sensor for selective recognition of PO43â^' ions using organic nanoparticles of dipodal receptor in aqueous medium. Electrochimica Acta, 2015, 182, 1112-1117.	5.2	14
106	Sensing in aqueous medium: mechanism and its application in the field of molecular recognition. Analytical Methods, 2015, 7, 7000-7019.	2.7	14
107	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.	5.0	14
108	A cytochrome c-urea functionalized dipeptide conjugate: an efficient HBD framework to synthesize 4H-pyransviaone-pot multicomponent reaction. Green Chemistry, 2020, 22, 956-968.	9.0	14

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109	Trends in small organic fluorescent scaffolds for detection of oxidoreductase. Biosensors and Bioelectronics, 2021, 191, 113441.	10.1	14
110	A biginelli-azophenol based robust sensor for rapid diagnosis of cyanide in real samples. Dyes and Pigments, 2021, 195, 109702.	3.7	14
111	Voltammetric Simultaneous Determination of Cu²⁺, Cd²⁺ and Pb²⁺ in Full Aqueous Medium Using Organic Nanoparticles of Disulfide Based Receptor. Electroanalysis, 2015, 27, 2544-2551.	2.9	13
112	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.	2.7	13
113	A dipodal thiourea-ionic liquid conjugate system for selective ratiometric detection of HSO4â˜ ion in purely aqueous medium: Application to real sample analysis. Tetrahedron Letters, 2019, 60, 1457-1462.	1.4	13
114	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.	2.8	13
115	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.	4.6	13
116	Selective and efficient tripodal receptors for competitive solvent extraction and bulk liquid membrane transport of Hg2+. Journal of Hazardous Materials, 2009, 168, 727-731.	12.4	12
117	Cobalt complexes of Biginelli derivatives as fluorescent probes for selective estimation and degradation of organophosphates in aqueous medium. Dalton Transactions, 2018, 47, 5595-5606.	3.3	12
118	Development of pyrene-stacked carbon nanotube-based hybrid: measurement of NO₃^{â˜}ions using fluorescence spectroscopy. Analyst, The, 2018, 143, 3343-3352.	3.5	12
119	Self-assembly of imidazolium/benzimidazolium cationic receptors: their environmental and biological applications. New Journal of Chemistry, 2020, 44, 19360-19375.	2.8	12
120	A C₃-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.	2.7	12
121	Nanomolar Detection of Ag^I Ions in Aqueous Medium by Using Naphthalimideâ€Based Imineâ€Linked Fluorescent Organic Nanoparticles â€“ Application in Environmental Samples. European Journal of Inorganic Chemistry, 2014, 2014, 5424-5431.	2.0	11
122	Colorimetric Detection of Spermine by the Cu^{II} Complex of Imineâ€Based Organic Nanoaggregates in Aqueous Medium. European Journal of Inorganic Chemistry, 2015, 2015, 4437-4442.	2.0	11
123	A benzimidazole/benzothiazole-based electrochemical chemosensor for nanomolar detection of guanine. RSC Advances, 2015, 5, 6962-6969.	3.6	11
124	Metalâ€“Organocatalyst for Detoxification of Phosphorothioate Pesticides: Demonstration of Acetylcholine Esterase Activity. Inorganic Chemistry, 2019, 58, 9773-9784.	4.0	11
125	A naphthalimide-based novel â€œTurn-Onâ€•fluorescence approach for the determination of uric acid and monitoring of xanthine oxidase activity. Analytical Methods, 2019, 11, 4190-4196.	2.7	11
126	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.	5.0	11

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127	IL@CQD catalyzed active ester rearrangement for the detection and removal of cyanide ions. Analyst, The, 2020, 145, 3948-3957.	3.5	11
128	Nanoaggregates of benzothiazole-based amidine-coupled chemosensors: a chemosensor for Ag+ and the resultant complex as a secondary sensor for Clâ˜. RSC Advances, 2014, 4, 5316.	3.6	10
129	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.	1.3	10
130	Nitrogen and sulfur co-doped fluorescent carbon dots for the trapping of Hg(<scp>ii</scp>) ions from water. Materials Advances, 2020, 1, 3009-3021.	5.4	10
131	Organicâ€“inorganic nanohybrids and their applications in silver extraction, chromogenic Cu2+ detection in biological systems, and hemolytic assay. RSC Advances, 2014, 4, 21079-21088.	3.6	9
132	Polymer-based biocompatible fluorescent sensor for nano-molar detection of Zn2+ in aqueous medium and biological samples. Inorganic Chemistry Frontiers, 2014, 1, 99.	6.0	9
133	A facile route to ionic liquids-functionalized ZnO nanorods for the fluorometric sensing of thiabendazole drug. Journal of Molecular Liquids, 2018, 261, 137-145.	4.9	9
134	High Performance Fluorescent Turn-On Probe for Amitriptyline Based on Hybrid Nanoassembly of Organicâ€“Inorganic Nanoparticles. ACS Applied Bio Materials, 2019, 2, 135-143.	4.6	9
135	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.	3.9	9
136	Highly Selective and Efficient Reduction of Nitroarenes by Imidazolium Salt Stabilized Copper Nanoparticles in Aqueous Medium. Catalysis Letters, 2015, 145, 1606-1611.	2.6	8
137	Anticancer SAR establishment and novel accruing signal transduction model of drug action using biscoumarin scaffold. Computational Biology and Chemistry, 2019, 83, 107104.	2.3	8
138	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.	7.3	8
139	Mitochondria- and nucleolus-targeted copper(i) complexes with pyrazole-linked triphenylphosphine moieties for live cell imaging. Analyst, The, 2020, 145, 83-90.	3.5	8
140	Hybrid nanoparticle based fluorescence switch for recognition of ketoprofen in aqueous media. Molecular Systems Design and Engineering, 2020, 5, 1428-1436.	3.4	8
141	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.	2.9	7
142	Imineâ€Linked Electrochemical Sensor for Selective Detection of HSO₄^{â˜} Ions in Aqueous Media.. ChemistrySelect, 2016, 1, 5967-5973.	1.5	7
143	Thiourea Based Dipodal Receptor Development for Electrochemical Detection of Br^{â˜} Ion in an Aqueous Medium. Electroanalysis, 2016, 28, 718-723.	2.9	7
144	Formation of a Au/Au₉Ga₄ Alloy Nanoshell on a Bacterial Surface through Galvanic Displacement Reaction for High-Contrast Imaging. ACS Applied Bio Materials, 2020, 3, 477-485.	4.6	7

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145	Multifunctional Receptor with Tunable Selectivity: A Comparative Recognition Profile of Organic Nanoparticles with Carbon Dots. Chemistry - an Asian Journal, 2020, 15, 2160-2165.	3.3	7
146	Sustainable Synthesis of Ionic Liquid-Functionalized Zinc Oxide Nanosheets (IL@ZnO): Evaluation of Antibacterial Potential Activity for Biomedical Applications. ACS Applied Bio Materials, 2022, 5, 1239-1251.	4.6	7
147	A Dihomooxacalix[4]arene-gold nanohybrid based colorimetric sensor for sensitive and selective detection of iodide. Supramolecular Chemistry, 2019, 31, 313-321.	1.2	6
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