

Narinder Singh

List of Publications by Year in descending order

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174
papers

4,596
citations

109321

35
h-index

161849

54
g-index

174
all docs

174
docs citations

174
times ranked

4588
citing authors

#	ARTICLE	IF	CITATIONS
1	Pattern-based colorimetric sensor array to monitor food spoilage using automated high-throughput analysis. <i>Biosensors and Bioelectronics</i> , 2022, 196, 113687.	10.1	28
2	Backbone extension via peptidomimetics at N-terminal; self-assembled nanofibrous cluster and application to selective progesterone detection in an aqueous medium. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 268, 120691.	3.9	1
3	Sensing of environmentally and biologically important analytes using organic nanoparticles (ONPs). , 2022, , 365-399.		1
4	Organic Cation Receptor for Colorimetric Lateral Flow Device: Detection of Zearalenone in Food Samples. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 910-919.	8.0	15
5	Sustainable Synthesis of Ionic Liquid-Functionalized Zinc Oxide Nanosheets (IL@ZnO): Evaluation of Antibacterial Potential Activity for Biomedical Applications. <i>ACS Applied Bio Materials</i> , 2022, 5, 1239-1251.	4.6	7
6	Structural Diversity of D-Alanine: D-Alanine Ligase and Its Exploration in Development of Antibacterial Agents Against the Multi-variant Bacterial Infections. <i>ChemistrySelect</i> , 2022, 7, .	1.5	0
7	Gold nanoparticles capped DHPMs for meliorate detection of antiretroviral drug: Azidothymidine. <i>Talanta</i> , 2022, 249, 123591.	5.5	3
8	Detection and detoxification of imidacloprid in food samples through ionic liquid-stabilized CuNi alloy nanoparticle-decorated multiwall carbon nanotubes. <i>Environmental Science: Nano</i> , 2022, 9, 2750-2763.	4.3	2
9	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.	9.9	45
10	Benzimidazole-Based Organic-Inorganic Gold Nanohybrids Suppress Invasiveness of Cancer Cells by Modulating EMT Signaling Cascade. <i>ACS Applied Bio Materials</i> , 2021, 4, 470-482.	4.6	1
11	The solvent-free one-pot multicomponent tandem polymerization of 3,4-dihydropyrimidin-2(1 <i>H</i>)-ones (DHPMs) catalyzed by ionic-liquid@Fe ₃ O ₄ NPs: the development of polyamide gels. <i>Polymer Chemistry</i> , 2021, 12, 1165-1175.	3.9	9
12	Paraoxonase Mimic by a Nanoreactor Aggregate Containing Benzimidazolium Calix and Histidine: Demonstration of the Acetylcholine Esterase Activity. <i>Chemistry - A European Journal</i> , 2021, 27, 5737-5744.	3.3	1
13	Trends in small organic fluorescent scaffolds for detection of oxidoreductase. <i>Biosensors and Bioelectronics</i> , 2021, 191, 113441.	10.1	14
14	A biginelli-azophenol based robust sensor for rapid diagnosis of cyanide in real samples. <i>Dyes and Pigments</i> , 2021, 195, 109702.	3.7	14
15	CdAgAlloy@polymer dots of Biginelli polyamide for the highly sensitive and selective recognition of nerve agent mimics in an aqueous and vapor phase. <i>Journal of Materials Chemistry C</i> , 2021, 9, 16721-16731.	5.5	5
16	Excited-State Intramolecular Hydrogen-Bonding-Assisted Restricted Rotation: A Mechanism for Monitoring Intracellular Viscosity and Distinguishing Malignant, Differentiating, and Apoptotic Cancer Cells. <i>ACS Applied Bio Materials</i> , 2021, 4, 7532-7541.	4.6	6
17	Rhodamine-based fluorescent probe for sequential detection of Al ³⁺ ions and adenosine monophosphate in water. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 225, 117523.	3.9	42
18	Mitochondria- and nucleolus-targeted copper(i) complexes with pyrazole-linked triphenylphosphine moieties for live cell imaging. <i>Analyst</i> , The, 2020, 145, 83-90.	3.5	8

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19	A cytochrome c-urea functionalized dipeptide conjugate: an efficient HBD framework to synthesize 4<i>H</i>-pyrans<i>via</i>one-pot multicomponent reaction. <i>Green Chemistry</i> , 2020, 22, 956-968.	9.0	14
20	A biscoumarin scaffold as an efficient anti-Zika virus lead with NS3-helicase inhibitory potential: <i>in vitro</i> and <i>in silico</i> investigations. <i>New Journal of Chemistry</i> , 2020, 44, 1872-1880.	2.8	13
21	Formation of a Au/Au₉Ga₄ Alloy Nanoshell on a Bacterial Surface through Galvanic Displacement Reaction for High-Contrast Imaging. <i>ACS Applied Bio Materials</i> , 2020, 3, 477-485.	4.6	7
22	Exploration of highly selective fluorogenic 'on/off' chemosensor for H₂PO₄-ions: ICT-based sensing and ATPase activity profiling. <i>Luminescence</i> , 2020, 35, 379-384.	2.9	4
23	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.	4.6	13
24	Naphthalimide-gold-based nanocomposite for the ratiometric detection of okadaic acid in shellfish. <i>Journal of Materials Chemistry B</i> , 2020, 8, 8405-8413.	5.8	15
25	Nitrogen and sulfur co-doped fluorescent carbon dots for the trapping of Hg(II) ions from water. <i>Materials Advances</i> , 2020, 1, 3009-3021.	5.4	10
26	Histidine@Naphthalimide based Organic-Inorganic Nanohybrid for Electrochemical Detection of Cyanide and Iodide ions. <i>ChemistrySelect</i> , 2020, 5, 8246-8252.	1.5	6
27	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.	7.8	32
28	Hybrid nanoparticle based fluorescence switch for recognition of ketoprofen in aqueous media. <i>Molecular Systems Design and Engineering</i> , 2020, 5, 1428-1436.	3.4	8
29	Self-assembly of imidazolium/benzimidazolium cationic receptors: their environmental and biological applications. <i>New Journal of Chemistry</i> , 2020, 44, 19360-19375.	2.8	12
30	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.	3.3	7
31	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.	2.8	22
32	Synthesis of Nickel(II) Complexes of Novel Naphthalimide Based Heterodipodal Schiff Base Ligands, Structure, Characterization and Application for Degradation of Pesticides. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 3094-3102.	2.0	2
33	Ionic Liquid-Functionalized Multiwalled Carbon Nanotube-Based Hydrophobic Coatings for Robust Antibacterial Applications. <i>ACS Applied Bio Materials</i> , 2020, 3, 2092-2103.	4.6	26
34	A C₃-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.	2.7	12
35	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.	2.8	5
36	IL@CQD catalyzed active ester rearrangement for the detection and removal of cyanide ions. <i>Analyst</i> , 2020, 145, 3948-3957.	3.5	11

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37	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.	5.0	14
38	Metal-Organocatalyst for Detoxification of Phosphorothioate Pesticides: Demonstration of Acetylcholine Esterase Activity. <i>Inorganic Chemistry</i> , 2019, 58, 9773-9784.	4.0	11
39	Detoxification and Sensing of Organophosphate-Based Pesticides and Preservatives in Beverages. , 2019, , 467-510.		1
40	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.	2.7	11
41	Triazole-Coupled Benzimidazole-Based Fluorescent Sensor for Silver, Bromide, and Chloride Ions in Aqueous Media. <i>Journal of Fluorescence</i> , 2019, 29, 945-952.	2.5	22
42	Anticancer SAR establishment and novel accruing signal transduction model of drug action using biscoumarin scaffold. <i>Computational Biology and Chemistry</i> , 2019, 83, 107104.	2.3	8
43	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.	5.9	18
44	Disaggregation-induced ESIPT: a novel approach towards development of sensors for hyperglycemic condition. <i>New Journal of Chemistry</i> , 2019, 43, 2065-2076.	2.8	24
45	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.	2.9	32
46	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.	1.4	13
47	Synthesis of a 3,4-Disubstituted 1,8-Naphthalimide-Based DNA Intercalator for Direct Imaging of <i>Legionella pneumophila</i> . <i>ACS Omega</i> , 2019, 4, 5829-5838.	3.5	15
48	A Dihomooxalix[4]arene-gold nanohybrid based colorimetric sensor for sensitive and selective detection of iodide. <i>Supramolecular Chemistry</i> , 2019, 31, 313-321.	1.2	6
49	Self-assembled organic nanoparticles of benzimidazole analogue exhibit enhanced uptake in 3D tumor spheroids and oxidative stress induced cytotoxicity in breast cancer. <i>Materials Science and Engineering C</i> , 2019, 97, 467-478.	7.3	8
50	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.	5.0	11
51	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.	6.7	35
52	Gold conjugated carbon dots nano assembly: FRET paired fluorescence probe for cysteine recognition. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 515-522.	7.8	34
53	Pyrophosphate Prompted Aggregation-Induced Emission: Chemosensor Studies, Cell Imaging, Cytotoxicity, and Hydrolysis of the Phosphoester Bond with Alkaline Phosphatase. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 628-638.	2.0	6
54	Rhodamine based NIR and ratiometric fluorescent sensor for selective identification of potassium ion: application in biological sample. <i>Supramolecular Chemistry</i> , 2019, 31, 36-44.	1.2	1

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55	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.	4.6	9
56	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.	3.3	12
57	From Dual to Discriminatory Sensing of CN Using Isomeric Molecules and Ascertained by Spectroscopic and DFT Methods. <i>ChemistrySelect</i> , 2018, 3, 3225-3233.	1.5	3
58	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.	4.9	9
59	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.	6.7	25
60	Carbon dots as analytical tools for sensing of thioredoxin reductase and screening of cancer cells. <i>Analyst</i> , 2018, 143, 1853-1861.	3.5	29
61	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.	6.7	26
62	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.	2.7	5
63	Highly selective and sensitive fluorescence sensing of nanomolar Zn ²⁺ 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.	5.4	22
64	Cu ²⁺ -driven metallo-supramolecular self-assembly and its application in sensing of hydroxyl ion. <i>Supramolecular Chemistry</i> , 2018, 30, 52-60.	1.2	0
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.	2.7	13
66	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.	8.2	26
67	Colorimetric detection and ratiometric quantification of mercury(II) using azophenol dye: a dip & read™ based handheld prototype device development. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12728-12738.	5.5	31
68	Structural insights and influence of V599 mutations on the overall dynamics of BRAF protein against its kinase domains. <i>Integrative Biology (United Kingdom)</i> , 2018, 10, 646-657.	1.3	10
69	Naphthalimide-Based DNA-Coupled Hybrid Assembly for Sensing Dipicolinic Acid: A Biomarker for <i>Bacillus anthracis</i> Spores. <i>Langmuir</i> , 2018, 34, 6591-6600.	3.5	30
70	FRET and PET paired dual mechanistic carbon dots approach for tyrosinase sensing. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4139-4145.	5.8	33
71	Development of pyrene-stacked carbon nanotube-based hybrid: measurement of NO ₃ ⁻ ions using fluorescence spectroscopy. <i>Analyst</i> , 2018, 143, 3343-3352.	3.5	12
72	Chemosensors for biogenic amines and biothiols. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4872-4902.	5.8	102

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73	Selective Determination of Silver Metal Ion Using Polyamine-Based Ratiometric Chemosensor in an Aqueous Medium and Its Real-Time Applicability as a Silver Sink. <i>ChemistrySelect</i> , 2018, 3, 7792-7799.	1.5	5
74	A highly selective naphthalimide-based ratiometric fluorescent probe for the recognition of tyrosinase and cellular imaging. <i>Analyst</i> , 2018, 143, 4476-4483.	3.5	29
75	ATP Induced Modulation in π - 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.	3.0	15
76	Solvent-Less Mechanochemical Approach to the Synthesis of Pyrimidine Derivatives. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 1468-1475.	6.7	47
77	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.	1.4	32
78	Dihydropyrimidones based chloride ion chemosensor functional in aqueous solution under environmentally relevant conditions. <i>Supramolecular Chemistry</i> , 2017, 29, 506-517.	1.2	4
79	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.	6.7	75
80	Fluorescence Chemosensors for Chemical Warfare Agent Mimic Diethylcyanophosphonate via Co ²⁺ -Naphthalimide Based Nanoaggregate in Aqueous Medium. <i>ChemistrySelect</i> , 2017, 2, 4725-4732.	1.5	2
81	Ultrasensitive and Selective Sensing of Selenium Using Nitrogen-Rich Ligand Interfaced Carbon Quantum Dots. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 13448-13456.	8.0	44
82	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.	2.8	22
83	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.	5.5	20
84	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.	3.3	20
85	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.	7.8	24
86	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.	6.7	51
87	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.	1.5	43
88	A carbon quantum dot-encapsulated micellar reactor for the synthesis of chromene derivatives in water. <i>Molecular Catalysis</i> , 2017, 439, 100-107.	2.0	15
89	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.	8.0	64
90	Optical chemosensors for water sample analysis. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5154-5194.	5.5	91

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91	Fluorescent organic nanoparticles (FONs) for selective recognition of Al ³⁺ : application to bio-imaging for bacterial sample. RSC Advances, 2016, 6, 37944-37952.	3.6	32
92	Fluorescent Chemosensors for Selective and Sensitive Detection of Phosmet/Chlorpyrifos with Octahedral Ni ²⁺ Complexes. Inorganic Chemistry, 2016, 55, 4874-4883.	4.0	35
93	Benzimidazolium-Based Self-Assembled Fluorescent Aggregates for Sensing and Catalytic Degradation of Diethylchlorophosphate. ACS Applied Materials & Interfaces, 2016, 8, 28641-28651.	8.0	31
94	Imine-Linked Electrochemical Sensor for Selective Detection of HSO ₄ ⁻ Ions in Aqueous Media.. ChemistrySelect, 2016, 1, 5967-5973.	1.5	7
95	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
96	Thiourea Based Dipodal Receptor Development for Electrochemical Detection of Br ⁻ Ion in an Aqueous Medium. Electroanalysis, 2016, 28, 718-723.	2.9	7
97	A novel zinc(II) and hydrogen sulphate selective fluorescent chemosensor based on isonicotiamide: INHIBIT type's logic gate and application in cancer cell imaging. Analyst, The, 2016, 141, 1814-1821.	3.5	35
98	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
99	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
100	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
101	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
102	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.	2.8	25
103	Colorimetric Detection of Spermine by the Cu ^{II} Complex of Imine-Based Organic Nanoaggregates in Aqueous Medium. European Journal of Inorganic Chemistry, 2015, 2015, 4437-4442.	2.0	11
104	Voltammetric Simultaneous Determination of Cu ²⁺ , Cd ²⁺ and Pb ²⁺ in Full Aqueous Medium Using Organic Nanoparticles of Disulfide Based Receptor. Electroanalysis, 2015, 27, 2544-2551.	2.9	13
105	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
106	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
107	Design, synthesis and antimicrobial evaluation of dihydropyrimidone based organic-inorganic nano-hybrids. RSC Advances, 2015, 5, 46654-46661.	3.6	14
108	Nanohybrid Chemosensor for the Simultaneous Detection of Fluoride and Iodide in Aqueous System and Its Utility in Real Samples. Electroanalysis, 2015, 27, 534-543.	2.9	4

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109	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.	5.2	14
110	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, 63-69.	5.4	54
111	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.	2.8	34
112	Pyrimidine-based functional fluorescent organic nanoparticle probe for detection of <i>Pseudomonas aeruginosa</i> . <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 4673-4679.	2.8	36
113	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.	1.9	29
114	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.	7.8	16
115	Highly Selective and Efficient Reduction of Nitroarenes by Imidazolium Salt Stabilized Copper Nanoparticles in Aqueous Medium. <i>Catalysis Letters</i> , 2015, 145, 1606-1611.	2.6	8
116	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.	1.2	17
117	Sensing in aqueous medium: mechanism and its application in the field of molecular recognition. <i>Analytical Methods</i> , 2015, 7, 7000-7019.	2.7	14
118	A benzimidazolium-based organic trication: a selective fluorescent sensor for detecting cysteine in water. <i>RSC Advances</i> , 2015, 5, 72084-72089.	3.6	30
119	An organic-inorganic nanohybrid of a calix[4]arene based chromogenic chemosensor for simultaneous estimation of ADP and NADH. <i>RSC Advances</i> , 2015, 5, 105128-105135.	3.6	3
120	A benzimidazole/benzothiazole-based electrochemical chemosensor for nanomolar detection of guanine. <i>RSC Advances</i> , 2015, 5, 6962-6969.	3.6	11
121	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, 1204-1212.	2.8	20
122	One-pot synthesis of tricyclic dihydropyrimidine derivatives and their biological evaluation. <i>Tetrahedron</i> , 2015, 71, 332-337.	1.9	49
123	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.	5.5	77
124	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, 16283-16288.	3.3	30
125	Urea based organic nanoparticles for selective determination of NADH. <i>RSC Advances</i> , 2014, 4, 61841-61846.	3.6	18
126	Nanomolar Detection of Ag ⁺ 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.	2.0	11

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127	A Fluorescent and Colorimetric Sensor for Nanomolar Detection of Co ²⁺ in Water. <i>ChemPhysChem</i> , 2014, 15, 3933-3937.	2.1	15
128	An amide based dipodal Zn ²⁺ complex for multications recognition: Nanomolar detection. <i>Journal of Luminescence</i> , 2014, 149, 190-195.	3.1	26
129	Production of Nanocrystalline Ni-20Cr Coatings for High-Temperature Applications. <i>Journal of Thermal Spray Technology</i> , 2014, 23, 692-707.	3.1	23
130	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.	6.7	32
131	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.	1.9	25
132	Highly Sensitive Ratiometric Chemosensor for Selective Naked-Eye Nanomolar Detection of Co ²⁺ in Semi-Aqueous Media. <i>ChemPhysChem</i> , 2014, 15, 2230-2235.	2.1	31
133	Fluorogenic ratiometric dipodal optode containing imine-amide linkages: Exploiting subtle thorium (IV) ion sensing. <i>Analytica Chimica Acta</i> , 2014, 852, 196-202.	5.4	31
134	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.	3.1	43
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