

Amanpreet Kaur

List of Publications by Citations

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169
papers

3,604
citations

34
h-index

51
g-index

174
ext. papers

4,124
ext. citations

4.8
avg. IF

5.85
L-index

#	Paper	IF	Citations
169	Colorimetric metal ion sensors. <i>Tetrahedron</i> , 2011 , 67, 9233-9264	2.4	186
168	Optical probes for the detection of protons, and alkali and alkaline earth metal cations. <i>Chemical Society Reviews</i> , 2015 , 44, 4415-32	58.5	128
167	A ratiometric fluorescent probe for magnesium employing excited state intramolecular proton transfer. <i>Tetrahedron Letters</i> , 2008 , 49, 6690-6692	2	101
166	An "off-on" sensor for fluoride using luminescent CdSe/ZnS quantum dots. <i>Chemical Communications</i> , 2009 , 686-8	5.8	86
165	A nanoparticle based chromogenic chemosensor for the simultaneous detection of multiple analytes. <i>Chemical Communications</i> , 2008 , 4900-2	5.8	79
164	Single molecular colorimetric probe for simultaneous estimation of Cu ²⁺ and Ni ²⁺ . <i>Chemical Communications</i> , 2007 , 3069-70	5.8	79
163	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
162	Nanoemulsion loaded gel for topical co-delivery of clobetasol propionate and calcipotriol in psoriasis. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017 , 13, 1473-1482	6	66
161	Chemosensors for biogenic amines and biothiols. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 4872-4902	7.3	64
160	A multifunctional tripodal fluorescent probe: "off-on" detection of sodium as well as two-input AND molecular logic behavior. <i>Organic Letters</i> , 2009 , 11, 2229-32	6.2	63
159	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
158	Optical chemosensors for water sample analysis. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 5154-5194	7.1	62
157	Recent advances in 1,10-phenanthroline ligands for chemosensing of cations and anions. <i>RSC Advances</i> , 2016 , 6, 23169-23217	3.7	61
156	Imine linked fluorescent chemosensor for Al ³⁺ and resultant complex as a chemosensor for HSO ₄ ⁻ anion. <i>Inorganic Chemistry Communication</i> , 2012 , 18, 79-82	3.1	59
155	A benzimidazole-based fluorescent sensor for Cu ²⁺ and its complex with a phosphate anion formed through a Cu ²⁺ displacement approach. <i>Tetrahedron Letters</i> , 2012 , 53, 3292-3295	2	58
154	A dual detecting polymeric sensor: chromogenic naked eye detection of silver and ratiometric fluorescent detection of manganese. <i>Tetrahedron Letters</i> , 2009 , 50, 4201-4204	2	58
153	Ratiometric fluorescent detection of Cu(II) in semi-aqueous solution using a two-fluorophore approach. <i>Tetrahedron Letters</i> , 2010 , 51, 3385-3387	2	57

152	Anion sensing with chemosensors having multiple NH recognition units. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 95, 86-109	14.6	55
151	Colorimetric recognition of Cu(II) by (2-dimethylaminoethyl)amino appended anthracene-9,10-diones in aqueous solutions: deprotonation of aryl amine NH responsible for colour changes. <i>Dalton Transactions</i> , 2006 , 3766-71	4.3	50
150	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
149	Thyrotropin-releasing hormone (TRH) analogues that exhibit selectivity to TRH receptor subtype 2. <i>Journal of Medicinal Chemistry</i> , 2005 , 48, 6162-5	8.3	47
148	Fluorescent chemosensor for Al ³⁺ and resultant complex as a chemosensor for perchlorate anion: First molecular security keypad lock based on Al ³⁺ and ClO ₄ ⁻ inputs. <i>Inorganic Chemistry Communication</i> , 2012 , 26, 31-36	3.1	45
147	HIF-1 β inhibitors: synthesis and biological evaluation of novel moracin O and P analogues. <i>European Journal of Medicinal Chemistry</i> , 2011 , 46, 2386-96	6.8	45
146	Aminoanthraquinone-based chemosensors: colorimetric molecular logic mimicking molecular trafficking and a set-reset memorized device. <i>Dalton Transactions</i> , 2012 , 41, 5217-24	4.3	42
145	Chemistry and biology of thyrotropin-releasing hormone (TRH) and its analogs. <i>Current Medicinal Chemistry</i> , 2008 , 15, 2718-33	4.3	42
144	Recyclable CuO nanoparticles as heterogeneous catalysts for the synthesis of xanthenes under solvent free conditions. <i>RSC Advances</i> , 2014 , 4, 49462-49470	3.7	41
143	Metallosurfactant based Pd ₂ Ni alloy nanoparticles as a proficient catalyst in the Mizoroki Heck coupling reaction. <i>Green Chemistry</i> , 2018 , 20, 1506-1514	10	40
142	A differential receptor for selective and quantitative multi-ion analysis for Co ²⁺ and Ni ²⁺ /Cu ²⁺ . <i>Tetrahedron Letters</i> , 2008 , 49, 5067-5069	2	40
141	Waste derivitized blue luminescent carbon quantum dots for selenite sensing in water. <i>Talanta</i> , 2017 , 170, 49-55	6.2	38
140	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
139	Solvent-Less Mechanochemical Approach to the Synthesis of Pyrimidine Derivatives. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 1468-1475	8.3	37
138	Benzimidazole-based fluorescent sensors for Cr ³⁺ and their resultant complexes for sensing and FET. <i>Tetrahedron</i> , 2012 , 68, 8551-8556	2.4	37
137	The first total synthesis of moracin O and moracin P, and establishment of the absolute configuration of moracin O. <i>Chemical Communications</i> , 2009 , 1879-81	5.8	37
136	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
135	AND molecular logic using semiconductor quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2010 , 144, 88-91	8.5	34

134	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
133	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
132	Surface decoration of ZnO nanoparticles: A new strategy to fine tune the recognition properties of imine linked receptor. <i>Sensors and Actuators B: Chemical</i> , 2012 , 166-167, 467-472	8.5	32
131	Low affinity analogs of thyrotropin-releasing hormone are super-agonists. <i>Journal of Biological Chemistry</i> , 2006 , 281, 13103-13109	5.4	32
130	A polymeric sensor for the chromogenic and luminescent detection of anions. <i>European Polymer Journal</i> , 2009 , 45, 272-277	5.2	30
129	Spectral studies on anthracene based dual sensor for Hg and Al ions with two distinct output modes of detection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 181, 60-64	4.4	28
128	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
127	Hg ²⁺ -induced deprotonation of an anthracene-based chemosensor: set/reset flip-flop at the molecular level using Hg ²⁺ and I ⁻ ions. <i>New Journal of Chemistry</i> , 2015 , 39, 6125-6129	3.6	26
126	An efficient and green synthesis of xanthene derivatives using CuS quantum dots as a heterogeneous and reusable catalyst under solvent free conditions. <i>RSC Advances</i> , 2015 , 5, 8205-8209	3.7	26
125	Modifications of the pyroglutamic acid and histidine residues in thyrotropin-releasing hormone (TRH) yield analogs with selectivity for TRH receptor type 2 over type 1. <i>Bioorganic and Medicinal Chemistry</i> , 2007 , 15, 433-43	3.4	26
124	Synthesis, crystal structure investigation, DFT analyses and antimicrobial studies of silver(I) complexes with N,N,N',N'-tetrakis(2-hydroxyethyl/propyl) ethylenediamine and tris(2-hydroxyethyl)amine. <i>New Journal of Chemistry</i> , 2014 , 38, 1186	3.6	25
123	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
122	Microwave-assisted assembly of AgO-ZnO composite nanocones for electrochemical detection of 4-Nitrophenol and assessment of their photocatalytic activity towards degradation of 4-Nitrophenol and Methylene blue dye. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125771	12.8	25
121	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
120	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
119	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
118	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
117	Imine linked chemosensors coupled with ZnO: Fluorescent and chromogenic detection of Al ³⁺ . <i>Materials Letters</i> , 2012 , 84, 104-106	3.3	23

116	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
115	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
114	Effect of tartarate and citrate based food additives on the micellar properties of sodium dodecylsulfate for prospective use as food emulsifier. <i>Food Chemistry</i> , 2016 , 190, 599-606	8.5	22
113	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
112	Fluorescent organic nanoparticles as chemosensor for nanomolar detection of Cs ⁺ in aqueous medium. <i>Dyes and Pigments</i> , 2014 , 106, 45-50	4.6	22
111	Imine-linked chemosensors for the detection of Zn ²⁺ in biological samples. <i>RSC Advances</i> , 2014 , 4, 9784	3.7	22
110	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
109	Metallovesicles as smart nanoreactors for green catalytic synthesis of benzimidazole derivatives in water. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 17306-17314	13	21
108	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
107	Antiepileptic potential and behavioral profile of L-pGlu-(2-propyl)-L-His-L-ProNH ₂ , a newer thyrotropin-releasing hormone analog. <i>Epilepsy and Behavior</i> , 2009 , 14, 48-53	3.2	21
106	Salen decorated nanostructured ZnO chemosensor for the detection of mercuric ions (Hg ²⁺). <i>Sensors and Actuators B: Chemical</i> , 2016 , 232, 712-721	8.5	21
105	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
104	Effect of food preservatives on the hydration properties and taste behavior of amino acids: a volumetric and viscometric approach. <i>Food Chemistry</i> , 2015 , 181, 339-46	8.5	20
103	Structural and optoelectronic characterization of prepared and Sb doped ZnO nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 44-52	2.1	20
102	Antimalarial activities of ring-substituted bioimidazoles. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002 , 12, 1701-4	2.9	20
101	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
100	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
99	Imine coupled ZnO based fluorescent chemosensor for the simultaneous estimation of Al ³⁺ and Cr ³⁺ . <i>Materials Letters</i> , 2012 , 80, 78-80	3.3	18

98	A benzimidazole-based Co ³⁺ complex for electrochemical and spectroscopic recognition of lead in semi-aqueous media. <i>Tetrahedron Letters</i> , 2013 , 54, 5967-5970	2	18
97	Imine linked 1,8-naphthalimide: Chromogenic recognition of metal ions, density function theory and cytotoxic activity. <i>Inorganica Chimica Acta</i> , 2012 , 391, 83-87	2.7	18
96	Synthesis, receptor binding, and activation studies of N(1)-alkyl-L-histidine containing thyrotropin-releasing hormone (TRH) analogues. <i>Bioorganic and Medicinal Chemistry</i> , 2006 , 14, 5981-8	3.4	18
95	Facile one-step synthesis of N-Boc-1-alkyl-L-histidines. <i>Tetrahedron Letters</i> , 2004 , 45, 6883-6885	2	18
94	Spectral studies on benzimidazole-based Bare-eye probe for the detection of Ni ²⁺ : Application as a solid state sensor. <i>Inorganica Chimica Acta</i> , 2017 , 464, 18-22	2.7	17
93	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
92	Spontaneous Resolution upon Crystallization of 3D, Chiral Inorganic Networks Assembled from Achiral, Polyoxometallate Units and Metal Ions. <i>Crystal Growth and Design</i> , 2013 , 13, 3996-4001	3.5	17
91	Cascade recognition of Hg ²⁺ and cysteine using a naphthalene based ESIPT sensor and its application in a set/reset memorized device. <i>New Journal of Chemistry</i> , 2019 , 43, 436-443	3.6	16
90	A facile ratiometric and colorimetric azo-dye possessing chemosensor for Ni ²⁺ and AcO ⁻ detection. <i>Supramolecular Chemistry</i> , 2015 , 27, 654-660	1.8	16
89	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
88	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
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	A benzthiazole-based tripodal chemosensor for Ba ²⁺ recognition under biological conditions. <i>Tetrahedron Letters</i> , 2011 , 52, 6705-6708	2	15
85	Nature of 1-(2-aminoethylamino)-anthracene-9, 10-diones - Cu(II) Interactions Responsible for Striking Colour Changes. <i>Supramolecular Chemistry</i> , 2006 , 18, 137-140	1.8	15
84	Improved performance of Schiff based ionophore modified with MWCNT for Fe(II) sensing by potentiometry and voltammetry supported with DFT studies. <i>RSC Advances</i> , 2017 , 7, 16474-16483	3.7	14
83	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
82	Design, synthesis and antimicrobial evaluation of dihydropyrimidone based organic/inorganic nano-hybrids. <i>RSC Advances</i> , 2015 , 5, 46654-46661	3.7	14
81	ZnO nanoparticles decorated with organic anion receptor: Selective recognition of sulfate anion. <i>Materials Letters</i> , 2013 , 100, 19-22	3.3	14

80	A novel cation ensembled fluorescent organic nanoparticle for selective detection of organophosphorus insecticides. <i>Dyes and Pigments</i> , 2017 , 139, 310-317	4.6	13
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	Benzimidazole-based chromogenic chemosensor for the recognition of oxalic acid via counter ion displacement assay in semi-aqueous medium. <i>Tetrahedron</i> , 2013 , 69, 9001-9006	2.4	13
77	Fluorescent organic nanoparticles (FONs) of imine-linked peptide for the detection of Cr ³⁺ in aqueous medium. <i>Sensors and Actuators B: Chemical</i> , 2015 , 206, 90-97	8.5	11
76	Fluorescent primary sensor for zinc and resultant complex as secondary sensor towards phosphorylated biomolecules: INHIBIT logic gate. <i>Inorganica Chimica Acta</i> , 2013 , 399, 1-5	2.7	11
75	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
74	ZnO decorated with organic nanoparticles based sensor for the ratiometric selective determination of mercury ions. <i>New Journal of Chemistry</i> , 2016 , 40, 1529-1534	3.6	10
73	"Switch on" fluorescent sensor for the detection of fluoride ions in solution and commercial tooth paste. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 223, 117361	4.4	10
72	Luminescent Benzothiazole-Based Fluorophore of Anisidine Scaffoldings: a "Turn-On" Fluorescent Probe for Al and Hg Ions. <i>Journal of Fluorescence</i> , 2017 , 27, 1943-1948	2.4	10
71	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
70	Detection of Al ³⁺ and Hg ²⁺ ions with anthracene appended Schiff base and its reduced analogue. <i>Journal of Coordination Chemistry</i> , 2019 , 72, 2189-2199	1.6	9
69	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
68	Colorimetric Detection of Spermine by the CuII Complex of Imine-Based Organic Nanoaggregates in Aqueous Medium. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 4437-4442	2.3	9
67	Benzothiazole-based chemosensor for CN ⁻ and Cu ²⁺ : multi-logic operations within a single molecule. <i>Supramolecular Chemistry</i> , 2015 , 27, 453-459	1.8	9
66	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
65	Design of naphthalimide based fluorescent switch for discriminating recognition of phenylbutazone in aqueous medium. <i>Sensors and Actuators B: Chemical</i> , 2016 , 234, 602-608	8.5	9
64	Insights into the photophysics, protonation and Cu ²⁺ ion coordination behaviour of anthracene-9,10-dione-based chemosensors. <i>Supramolecular Chemistry</i> , 2011 , 23, 768-776	1.8	8
63	Facile synthesis of N- β -Boc-1,2-dialkyl-L-histidines: Utility in the synthesis of thyrotropin-releasing hormone (trh) analogs and evaluation of the CNS activity. <i>Journal of Heterocyclic Chemistry</i> , 2008 , 45, 1603-1608	1.9	8

62	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
61	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
60	Neuropharmacological profile of L-pGlu-(1-benzyl)-L-His-L-ProNH ₂ , a newer thyrotropin-releasing hormone analog: effects on seizure models, sodium current, cerebral blood flow and behavioral parameters. <i>Epilepsy Research</i> , 2009 , 87, 223-33	3	7
59	Enhanced Performance of CNT-doped Imine Based Receptors as Fe(III) Sensor Using Potentiometry and Voltammetry. <i>Electroanalysis</i> , 2019 , 31, 1229-1237	3	7
58	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
57	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
56	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
55	Multianalyte azo dye as an on-site assay kit for colorimetric detection of Hg ions and electrochemical sensing of Zn ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 229, 117869	4.4	6
54	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
53	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
52	Enhanced performance of organic nanoparticles of a Schiff base for voltammetric sensor of Cu(II) ions in aqueous samples. <i>Analytical Methods</i> , 2019 , 11, 359-366	3.2	6
51	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
50	Metal-Organocatalyst for Detoxification of Phosphorothioate Pesticides: Demonstration of Acetylcholine Esterase Activity. <i>Inorganic Chemistry</i> , 2019 , 58, 9773-9784	5.1	5
49	Metal Derivatives of Heterocyclic-2-thiones: Crystal Structures of [Bis(diphenylphosphanyl)propane][bis(pyrimidine-2-thiolato)]ruthenium(II) and [Bis(diphenylphosphanyl)methane][bis(pyridine-2-thiolato)]ruthenium(II). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012 , 638, 195-200	1.3	5
48	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
47	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
46	Trends in small organic fluorescent scaffolds for detection of oxidoreductase. <i>Biosensors and Bioelectronics</i> , 2021 , 191, 113441	11.8	5
45	Dihydropyrimidones based chloride ion chemosensor functional in aqueous solution under environmentally relevant conditions. <i>Supramolecular Chemistry</i> , 2017 , 29, 506-517	1.8	4

44	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
43	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
42	Anthraquinone-based demultiplexer and other multiple operations at the molecular level. <i>Journal of Chemical Sciences</i> , 2014 , 126, 49-54	1.8	4
41	Mitochondria- and nucleolus-targeted copper(i) complexes with pyrazole-linked triphenylphosphine moieties for live cell imaging. <i>Analyst, The</i> , 2019 , 145, 83-90	5	4
40	A cytochrome c-urea functionalized dipeptide conjugate: an efficient HBD framework to synthesize 4H-pyrans via one-pot multicomponent reaction. <i>Green Chemistry</i> , 2020 , 22, 956-968	10	4
39	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	3.3	4
38	Hybrid nanoparticle based fluorescence switch for recognition of ketoprofen in aqueous media. <i>Molecular Systems Design and Engineering</i> , 2020 , 5, 1428-1436	4.6	4
37	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	8.3	4
36	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	3.7	4
35	Supramolecular hybrid of ZnO nanoparticles with benzimidazole based organic ligand for the recognition of Zn ²⁺ ions in semi-aqueous media. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 347, 41-48	4.7	3
34	An Imidazole based probe for relay recognition of Cu ²⁺ and OH ⁻ ions leading to AND logic gate. <i>Journal of Chemical Sciences</i> , 2015 , 127, 1253-1259	1.8	3
33	The solvent-free one-pot multicomponent tandem polymerization of 3,4-dihydropyrimidin-2(1H)-ones (DHPMs) catalyzed by ionic-liquid@Fe ₃ O ₄ NPs: the development of polyamide gels. <i>Polymer Chemistry</i> , 2021 , 12, 1165-1175	4.9	3
32	Modulation in Photophysical Properties of Fluorescent Imidazole Possessing 1,10-Phenanthroline on Introduction of Ru(bipy) ₂ ²⁺ towards Cation Sensing. <i>ChemistrySelect</i> , 2017 , 2, 8638-8642	1.8	2
31	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	1.8	2
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