

Kumaresh Ghosh

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162
papers

2,875
citations

28
h-index

40
g-index

172
ext. papers

3,117
ext. citations

2.7
avg, IF

5.94
L-index

#	Paper	IF	Citations
162	Troger's base molecular scaffolds in dicarboxylic acid recognition. <i>Journal of Organic Chemistry</i> , 2000 , 65, 1907-14	4.2	141
161	Colorimetric and fluorescence sensing of anions using thiourea based coumarin receptors. <i>Tetrahedron Letters</i> , 2006 , 47, 8165-8169	2	85
160	Molecular recognition: Chain length selectivity studies of dicarboxylic acids by the cavity of a new Troger's base receptor. <i>Tetrahedron Letters</i> , 1997 , 38, 4503-4506	2	76
159	Pyridinium-based fluororeceptors as practical chemosensors for hydrogen pyrophosphate (HP2O7(3-)) in semiaqueous and aqueous environments. <i>Organic Letters</i> , 2012 , 14, 4314-7	6.2	58
158	Ion conducting cholesterol appended pyridinium bisamide-based gel for the selective detection of Ag ⁺ and Cl ⁻ ions. <i>RSC Advances</i> , 2014 , 4, 3732-3737	3.7	56
157	Anthracene-based macrocyclic fluorescent chemosensor for selective sensing of dicarboxylate. <i>Tetrahedron Letters</i> , 2009 , 50, 85-88	2	54
156	An anthracene based bispyridinium amide receptor for selective sensing of anions. <i>Tetrahedron Letters</i> , 2007 , 48, 8725-8729	2	51
155	Rhodamine-based bis-sulfonamide as a sensing probe for Cu ²⁺ and Hg ²⁺ ions. <i>New Journal of Chemistry</i> , 2012 , 36, 2121	3.6	49
154	A rhodamine appended tripodal receptor as a ratiometric probe for Hg ²⁺ ions. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 3236-43	3.9	46
153	A naphthyridine-based receptor for sensing citric acid. <i>Tetrahedron Letters</i> , 2007 , 48, 2935-2938	2	45
152	Fluorescence sensing of tartaric acid: a case of excimer emission caused by hydrogen bond-mediated complexation. <i>Tetrahedron Letters</i> , 2006 , 47, 3577-3581	2	45
151	Triphenylamine-Based Pyridine N-Oxide and Pyridinium Salts for Size-Selective Recognition of Dicarboxylates. <i>European Journal of Organic Chemistry</i> , 2009 , 2009, 4515-4524	3.2	44
150	Pyridinium-based symmetrical diamides as chemosensors in visual sensing of citrate through indicator displacement assay (IDA) and gel formation. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 6551-6559	3.89	43
149	Triphenylamine-based receptor for selective recognition of dicarboxylates. <i>Tetrahedron Letters</i> , 2010 , 51, 343-347	2	42
148	Triphenylamine-based novel PET sensors in selective recognition of dicarboxylic acids. <i>Tetrahedron Letters</i> , 2006 , 47, 2365-2369	2	42
147	Selective sensing of Zn(II) ion by a simple anthracene-based tripodal chemosensor. <i>Tetrahedron Letters</i> , 2010 , 51, 4995-4999	2	37
146	Recognition of insoluble tartaric acid in chloroform. <i>Tetrahedron</i> , 2001 , 57, 4987-4993	2.4	37

145	Pyridine/pyridinium symmetrical bisamides as functional materials: aggregation, selective sensing and drug release. <i>New Journal of Chemistry</i> , 2018 , 42, 6488-6497	3.6	36
144	Cholesterol appended bis-1,2,3-triazoles as simple supramolecular gelators for the naked eye detection of Ag ⁺ , Cu ²⁺ and Hg ²⁺ ions. <i>New Journal of Chemistry</i> , 2016 , 40, 3476-3483	3.6	36
143	Design and synthesis of an ortho-phenylenediamine-based open cleft: a selective fluorescent chemosensor for dihydrogen phosphate. <i>Tetrahedron Letters</i> , 2009 , 50, 2392-2397	2	36
142	Pyridinium amide-based simple synthetic receptor for selective recognition of dihydrogenphosphate. <i>Tetrahedron Letters</i> , 2009 , 50, 6557-6561	2	34
141	Benzimidazolium-based simple host for fluorometric sensing of . <i>Tetrahedron Letters</i> , 2011 , 52, 5098-5103	3	33
140	Molecular recognition: Hydrogen bonding induced configurational locking of a new photoresponsive receptor by dicarboxylic acids. <i>Tetrahedron Letters</i> , 1999 , 40, 1735-1738	2	33
139	Coumarin-based supramolecular gelator: a case of selective detection of F ⁻ and HP2O7 ³⁻ . <i>Advances</i> , 2015 , 5, 12094-12099	3.7	32
138	Azo and imine functionalized 2-naphthols: promising supramolecular gelators for selective detection of Fe ³⁺ and Cu ²⁺ , reactive oxygen species and halides. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 1866-1875	7.8	29
137	Adenine-based urea receptors in fluorescent recognition of iodide. <i>Tetrahedron Letters</i> , 2008 , 49, 7204-7208	2	29
136	Pyridine coupled mono and bisbenzimidazoles as supramolecular gelators: selective metal ion sensing and ionic conductivity. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 385-395	7.8	28
135	Naphthalene-cholesterol conjugate as simple gelator for selective sensing of CN ⁻ ion. <i>Supramolecular Chemistry</i> , 2017 , 29, 350-359	1.8	28
134	Anthracene-based ureidopyridyl fluororeceptor for dicarboxylates. <i>Tetrahedron Letters</i> , 2007 , 48, 6129-6132	6	28
133	Anthracene-Labeled 1,2,3-Triazole-Linked Bispyridinium Amide for Selective Sensing of H ₂ PO ₄ ³⁻ by Fluorescence and Gel Formation. <i>European Journal of Organic Chemistry</i> , 2012 , 2012, 1311-1317	3.2	27
132	O-tert-butyl-diphenylsilyl coumarin and dicoumarol: a case toward selective sensing of F ⁻ ions in organic and aqueous environments. <i>Analyst</i> , 2013 , 138, 3038-45	5	27
131	Cholesterol-Appended Benzimidazolium Salts: Synthesis, Aggregation, Sensing, Dye Adsorption, and Semiconducting Properties. <i>Langmuir</i> , 2017 , 33, 8277-8288	4	27
130	A new ortho-phenylenediamine-based cleft for selective sensing of H ₂ PO ₄ ³⁻ and ATP. <i>New Journal of Chemistry</i> , 2011 , 35, 1397	3.6	26
129	Anthracene-coupled Pyridine Amines: A New Off-On Switch for Molecular Recognition Studies on Dicarboxylic Acids. <i>Chemistry Letters</i> , 2006 , 35, 414-415	1.7	26
128	Pyridylazo Derivatives with Dicyanovinyl Appendage in Selective Sensing of CN ⁻ in Sol-Gel Medium. <i>ChemistrySelect</i> , 2018 , 3, 1809-1814	1.8	25

127	Fluorometric recognition of both dihydrogen phosphate and iodide by a new flexible anthracene linked benzimidazolium-based receptor. <i>Beilstein Journal of Organic Chemistry</i> , 2011 , 7, 254-64	2.5	24
126	Triphenylamine-based receptors in selective recognition of dicarboxylic acids. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 7800-9	3.4	24
125	Molecular recognition: Connection and disconnection of hydrogen bonds, a case study with dimeric and highly associated monocarboxylic acids with simple receptors. <i>Tetrahedron</i> , 1996 , 52, 12223-12232	2.4	24
124	Cholesterol-based diazine derivative: selective sensing of Ag ⁺ and Fe ³⁺ ions through gelation and the performance of metallogels in dye and picric acid adsorption from water. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 2286-2296	7.8	24
123	Aryl ethers coupled pyridoxal as supramolecular gelator for selective sensing of F ⁻ <i>Tetrahedron Letters</i> , 2016 , 57, 5469-5474	2	23
122	Cholesterol appended pyridinium ureas: a case of gel making and breaking for selective visual readout of F ⁻ . <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 8800-7	3.9	23
121	Design and synthesis of anthracene-based bispyridinium amides: anion binding, cell staining and DNA interaction studies. <i>New Journal of Chemistry</i> , 2012 , 36, 1231	3.6	23
120	Adenine-based receptor for dicarboxylic acids. <i>Tetrahedron Letters</i> , 2007 , 48, 7022-7026	2	22
119	Anthracene coupled trans-pyridylcinnamide: a new fluororeceptor for selective sensing of dicarboxylates. <i>Tetrahedron Letters</i> , 2008 , 49, 2592-2597	2	22
118	Diaminomalenonitrile-decorated cholesterol-based supramolecular gelator: aggregation, multiple analyte (hydrazine, Hg ²⁺ and Cu ²⁺) detection and dye adsorption. <i>New Journal of Chemistry</i> , 2018 , 42, 13718-13725	3.6	22
117	Naphthalene linked pyridyl urea as a supramolecular gelator: a new insight into naked eye detection of I ⁻ in the gel state with semiconducting behaviour. <i>RSC Advances</i> , 2015 , 5, 72772-72779	3.7	21
116	Selective sensing of Hg ²⁺ via sol-gel transformation of a cholesterol-based compound. <i>Supramolecular Chemistry</i> , 2018 , 30, 722-729	1.8	21
115	Ortho-phenylenediamine-based open and macrocyclic receptors in selective sensing of H ₂ PO ₄ ⁽⁻⁾ , ATP and ADP under different conditions. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 9383-92	3.9	21
114	Anthracene-based ortho-phenylenediamine clefts for sensing carboxylates. <i>Tetrahedron Letters</i> , 2008 , 49, 4591-4595	2	21
113	Anthracene-appended Pyridine Amide: A Simple Sensor for Monocarboxylic Acids. <i>Supramolecular Chemistry</i> , 2005 , 17, 331-334	1.8	21
112	Progress of 3-aminopyridinium-based synthetic receptors in anion recognition. <i>RSC Advances</i> , 2014 , 4, 20114-20130	3.7	20
111	Eneidyne scaffold-based highly selective chemosensor for ratiometric sensing of H ₂ PO ₄ ⁻ ions. <i>Tetrahedron Letters</i> , 2012 , 53, 2054-2058	2	20
110	Piperazine-based simple structure for selective sensing of Hg ²⁺ and glutathione and construction of a logic circuit mimicking an INHIBIT gate. <i>New Journal of Chemistry</i> , 2013 , 37, 4206	3.6	20

109	Binding induced destruction of an excimer in anthracene-linked benzimidazole diamide: a case toward the selective detection of organic sulfonic acids and metal ions. <i>New Journal of Chemistry</i> , 2010 , 34, 1387	3.6	20
108	Urotropine: a unique scaffold in molecular recognition for phenolic substrates. <i>Journal of Molecular Structure</i> , 2005 , 737, 201-206	3.4	20
107	Nano-Pelargonidin Protects Hyperglycemic-Induced L6 Cells against Mitochondrial Dysfunction. <i>Planta Medica</i> , 2017 , 83, 468-475	3.1	19
106	A 1,8-naphthalimide-pyridoxal conjugate as a supramolecular gelator for colorimetric read out of F [−] ions in solution, gel and solid states. <i>New Journal of Chemistry</i> , 2019 , 43, 2718-2725	3.6	19
105	Pyridinium-based tripodal chemosensor in visual sensing of AMP in water by indicator displacement assay (IDA). <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 5666-72	3.9	19
104	Anthraquinone coupled benzothiazole-based receptor for selective sensing of Cu ²⁺ . <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2013 , 77, 67-74	1.7	19
103	New Six-Membered pH-Insensitive Rhodamine Spirocycle in Selective Sensing of Cu through C-C Bond Cleavage and Its Application in Cell Imaging. <i>ACS Omega</i> , 2017 , 2, 8167-8176	3.9	19
102	Selective sensing of Cu (II) by a simple anthracene-based tripodal chemosensor. <i>Supramolecular Chemistry</i> , 2011 , 23, 435-440	1.8	19
101	Selective sensing of Al ³⁺ by naphthyridine coupled rhodamine chemosensors. <i>RSC Advances</i> , 2014 , 4, 23428-23432	3.7	18
100	N-bromosuccinimide reactions of some heterocycles in the presence or absence of water: An overview of ring versus side chain bromination for the synthesis of important brominated heterocyclic synthons. <i>Journal of Heterocyclic Chemistry</i> , 2001 , 38, 173-178	1.9	18
99	4-Hydroxybenzaldehyde derived Schiff base gelators: case of the sustainability or rupturing of imine bonds towards the selective sensing of Ag ⁺ and Hg ²⁺ ions via sol-gel methodology. <i>New Journal of Chemistry</i> , 2019 , 43, 5139-5149	3.6	18
98	Supramolecular gels in cyanide sensing: a review. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 584-602	7.8	18
97	Triazole-amide isosteric pyridine-based supramolecular gelators in metal ion and biothiol sensing with excellent performance in adsorption of heavy metal ions and picric acid from water. <i>New Journal of Chemistry</i> , 2019 , 43, 934-945	3.6	17
96	Rhodamine-labelled new architecture for dual sensing of Co ²⁺ and Hg ²⁺ ions. <i>Tetrahedron Letters</i> , 2013 , 54, 6464-6468	2	17
95	Effect of a hydroxyl group in an anthracene-labelled pyridine amide receptor in molecular recognition of keto and hydroxy monocarboxylic acids. <i>Tetrahedron Letters</i> , 2006 , 47, 9233-9237	2	17
94	Adenine-linked naphthalimide: A case of selective colorimetric as well as fluorometric sensing of F [−] and anion-activated moisture detection in organic solvents and CO ₂ -sensing. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 229, 117910	4.4	17
93	Benzimidazolium-based chemosensors: selective recognition of H ₂ PO ₄ [−] and ATP through fluorescence and gelation studies. <i>RSC Advances</i> , 2015 , 5, 46608-46616	3.7	16
92	Visual Sensing of Ag ⁺ Ions through Gelation of Cholesterol- Appended Benzimidazole and Associated Ion Conducting Behaviour. <i>ChemistrySelect</i> , 2017 , 2, 959-966	1.8	15

91	Anthraquinone Derived Cholesterol Linked Imidazole Gelator in Visual Sensing of Picric Acid. <i>ChemistrySelect</i> , 2017 , 2, 4800-4806	1.8	15
90	A new benzimidazolium receptor for fluorescence sensing of iodide. <i>Supramolecular Chemistry</i> , 2010 , 22, 311-317	1.8	15
89	A quinoline-based tripodal fluororeceptor for citric acid. <i>Tetrahedron Letters</i> , 2008 , 49, 658-663	2	15
88	Dipicolylamine coupled rhodamine dyes: new clefts for highly selective naked eye sensing of Cu ²⁺ and CN ⁻ ions. <i>RSC Advances</i> , 2016 , 6, 47802-47812	3.7	15
87	α-Amino Acid Derived Benzimidazole-Linked Rhodamines: A Case of Substitution Effect at the Amino Acid Site toward Spiro Ring Opening for Selective Sensing of Al ³⁺ ions. <i>Inorganic Chemistry</i> , 2017 , 56, 8889-8899	5.1	14
86	Rhodamine-linked pyridyl thiourea as a receptor for selective recognition of F ⁻ , Al ³⁺ and Ag ⁺ under different conditions. <i>Supramolecular Chemistry</i> , 2015 , 27, 490-500	1.8	14
85	(rac)-1,1'-binaphthyl-based simple receptors designed for fluorometric discrimination of maleic and fumaric acids. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 8597-608	3.4	14
84	Pyridyl Azo-Based Naphthyl Acetate for Sensing of Hydrazine and Perborate in Sol-Gel Medium. <i>ChemistrySelect</i> , 2018 , 3, 9448-9453	1.8	14
83	Coumarin-based urea-amide scaffold in ratiometric fluorescence sensing of CN ⁻ . <i>Tetrahedron Letters</i> , 2017 , 58, 2038-2043	2	13
82	A new quinoline-based chemosensor in ratiometric sensing of Hg ²⁺ ions. <i>Supramolecular Chemistry</i> , 2013 , 25, 127-132	1.8	13
81	Experimental and theoretical anion binding studies on coumarin linked thiourea and urea molecules. <i>Journal of Molecular Structure</i> , 2011 , 1004, 193-203	3.4	13
80	Cholesterol Based Bisamides on Biphenyl Backbone: A Case of Selective Visual Sensing of F ⁻ and H ₂ PO ₄ ⁻ through Breaking and Making of Gels. <i>ChemistrySelect</i> , 2016 , 1, 3667-3674	1.8	13
79	Pyridinium-based flexible tripodal cleft: a case of fluorescence sensing of ATP and dihydrogenphosphate under different conditions and cell imaging. <i>RSC Advances</i> , 2015 , 5, 35175-35180	3.7	12
78	Rhodamine-labelled simple architectures for fluorometric and colorimetric sensing of Hg ²⁺ and Pb ²⁺ ions in semi-aqueous and aqueous environments. <i>Analytical Methods</i> , 2014 , 6, 2648-2654	3.2	12
77	Azaindole-1,2,3-triazole conjugate in a tripod for selective sensing of Cl ⁻ , H ₂ PO ₄ ⁻ and ATP under different conditions. <i>RSC Advances</i> , 2014 , 4, 11590	3.7	12
76	Fluoride-responsive hydrogel of cholesterol appended pyridinium urea and its metal detecting ability and semi-conducting behaviour. <i>Supramolecular Chemistry</i> , 2014 , 26, 313-320	1.8	12
75	Benzimidazolium-based flexible tripodal fluorescent chemosensor for selective sensing of dihydrogenphosphate and ATP. <i>Supramolecular Chemistry</i> , 2011 , 23, 518-526	1.8	12
74	A pyridine-based macrocyclic host for urea and acetone. <i>Tetrahedron Letters</i> , 2008 , 49, 5063-5066	2	12

73	Cholesterol-based simple supramolecular gelators: an approach to selective sensing of CN ⁻ ion with application in dye adsorption. <i>Supramolecular Chemistry</i> , 2019 , 31, 239-250	1.8	12
72	Isomeric chiral pyrrole diamides and their efficacy in enantioselective sensing of tartrate in sol-gel medium. <i>Tetrahedron Letters</i> , 2016 , 57, 3629-3634	2	11
71	Azaindole-1,2,3-triazole conjugate as selective fluorometric sensor for dihydrogenphosphate. <i>RSC Advances</i> , 2013 , 3, 16144	3.7	11
70	Anthracene coupled adenine for the selective sensing of copper ions. <i>Beilstein Journal of Organic Chemistry</i> , 2010 , 6, 44	2.5	11
69	Quinoline based receptor in fluorometric discrimination of carboxylic acids. <i>Beilstein Journal of Organic Chemistry</i> , 2008 , 4, 52	2.5	11
68	2-Aminopyrimidine-terephthalic acid (1:1) complex. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1999 , 55, 87-89		11
67	Effect of Substitution at Amine Functionality of 2,6-Diaminopyridine-Coupled Rhodamine on Metal-Ion Interaction and Self-Assembly. <i>ACS Omega</i> , 2020 , 5, 13984-13993	3.9	10
66	L-Valine derived benzimidazole based bis-urea in enantioselective fluorescence sensing of L-tartrate. <i>Tetrahedron Letters</i> , 2013 , 54, 4568-4573	2	10
65	Piperazine-based new sensor: selective ratiometric sensing of Fe ³⁺ , logic gate construction and cell imaging. <i>Supramolecular Chemistry</i> , 2015 , 27, 224-232	1.8	10
64	A benzthiazole-based simple receptor in fluorescence sensing of biotin ester and urea. <i>Tetrahedron Letters</i> , 2009 , 50, 4096-4100	2	10
63	Cholesterol linked benzothiazole: a versatile gelator for detection of picric acid and metal ions such as Ag ⁺ , Hg ²⁺ , Fe ³⁺ and Al ³⁺ under different conditions. <i>New Journal of Chemistry</i> , 2019 , 43, 10509-10516	3.6	9
62	A sulfonyl hydrazone cholesterol conjugate: gelation, anion interaction and its application in dye adsorption. <i>New Journal of Chemistry</i> , 2019 , 43, 10270-10277	3.6	9
61	Rhodamine-labeled Sensor Bead as a Colorimetric and Fluorometric Dual Assay for Hg ²⁺ Ions in Water. <i>Asian Journal of Organic Chemistry</i> , 2013 , 2, 157-163	3	9
60	Benzimidazolium-based new simple ratiometric fluorescent sensor for selective detection of dihydrogenphosphate. <i>Supramolecular Chemistry</i> , 2014 , 26, 856-863	1.8	9
59	Triphenylamine-based simple chemosensor for selective fluorometric detection of fluoride, acetate and dihydrogenphosphate ions in different solvents. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2011 , 70, 97-107		9
58	Water templated hydrogen-bonded network of pyridine amide appended carbamate in solid state. <i>Journal of Molecular Structure</i> , 2006 , 785, 63-67	3.4	9
57	Diaminomaleonitrile-functionalized gelators in F ⁻ /CN ⁻ sensing, phase-selective gelation, oil spill recovery and dye removal from water. <i>New Journal of Chemistry</i> , 2020 , 44, 10275-10285	3.6	9
56	Chromenone-rhodamine conjugate for naked eye detection of Al ³⁺ and Hg ²⁺ ions in semi aqueous medium. <i>Supramolecular Chemistry</i> , 2019 , 31, 1-8	1.8	9

55	1,4-Disubstituted 1,2,3-Triazole- and 1,5-Disubstituted 1,2,3-Triazole-Based Bis-Sulfonamides in Selective Fluorescence Sensing of ATP. <i>ChemistrySelect</i> , 2017 , 2, 2034-2038	1.8	8
54	Copillar[5]arene-rhodamine conjugate as a selective sensor for Hg ²⁺ ions. <i>New Journal of Chemistry</i> , 2020 , 44, 5921-5928	3.6	8
53	Enantioselective sensing of lactate by pyridinium-based chiral receptor. <i>Tetrahedron Letters</i> , 2013 , 54, 5686-5689	2	8
52	Fluorophore inserted bisbenzimidazole clefts in selective sensing of Ag ⁺ and Cu ²⁺ ions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 348, 110-117	4.7	8
51	Pyrene-based simple new hetero bis amide pyridinium salt for selective sensing of benzoate and hydrogen sulphate. <i>Supramolecular Chemistry</i> , 2011 , 23, 365-371	1.8	8
50	Selective Sensing of Fumarate Over Maleate by Benzimidazolium Based Fluororeceptors. <i>Mini-Reviews in Organic Chemistry</i> , 2011 , 8, 31-37	1.7	8
49	Anthracene labeled pyridine amides: A class of prototype PET sensors towards monocarboxylic acid. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009 , 203, 40-49	4.7	8
48	Anthracene-based open and macrocyclic receptors in the flurometric detection of urea. <i>New Journal of Chemistry</i> , 2009 , 33, 1965	3.6	8
47	Naphthalene and pyrrole substituted guanidine in selective sensing of Cu ²⁺ , Hg ²⁺ , Pb ²⁺ and CN ⁻ ions under different conditions. <i>Supramolecular Chemistry</i> , 2017 , 29, 528-535	1.8	7
46	L-Amino acid derived pyridinium-based chiral compounds and their efficacy in chiral recognition of lactate. <i>RSC Advances</i> , 2015 , 5, 24499-24506	3.7	7
45	Coumarin-based symmetrical bisamide as fluorescent and colorimetric probes for copper ions. <i>Supramolecular Chemistry</i> , 2012 , 24, 197-203	1.8	7
44	Naphthyridine-based receptors for flurometric detection of urea and biotin. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2010 , 67, 271-280		7
43	Non-bonded O \cdots S contacts and O \cdots H \cdots S hydrogen bonds in isomeric hydroxyphenyl-1,3-dithianes. <i>CrystEngComm</i> , 2005 , 7, 210-215	3.3	7
42	Dosimetric Chromogenic Probe for Selective Detection of Sulfide via Sol-Gel Methodology. <i>ACS Omega</i> , 2018 , 3, 17319-17325	3.9	7
41	Pyridyl Azo-Based Progelator in Selective Sensing of Hg ²⁺ and Ag ⁺ Ions via Sol to Gel Conversion. <i>ChemistrySelect</i> , 2019 , 4, 11564-11571	1.8	6
40	Pyrrole-based tetra-amide for hydrogen pyrophosphate (HP ₂ O ₇ ²⁻) and F ⁻ ions in sol-gel medium. <i>Supramolecular Chemistry</i> , 2017 , 29, 946-952	1.8	6
39	A benzimidazolium-based new flexible cleft built on the piperazine unit: a case of selective fluorometric sensing of ATP. <i>RSC Advances</i> , 2014 , 4, 58530-58535	3.7	6
38	Anthracene-labeled pyridinium-based symmetrical chiral chemosensor for enantioselective recognition of l-tartrate. <i>Tetrahedron Letters</i> , 2014 , 55, 1342-1346	2	6

37	l-Valine-derived simple benzimidazole-based host in selective sensing of Hg(II) ions. <i>Supramolecular Chemistry</i> , 2012 , 24, 748-754	1.8	6
36	Naphthyridine-based symmetrical and unsymmetrical pyridinium amides in sensing of biotin salt. <i>Supramolecular Chemistry</i> , 2010 , 22, 81-94	1.8	6
35	One-pot synthesis of linearly fused N-heterocycles from their angular analogues and studies of their redox and electrochromic properties. <i>Journal of Organic Chemistry</i> , 2010 , 75, 2065-8	4.2	6
34	1:1 hetero-assembly of 2-aminopyrimidine and (+)-camphoric acid. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000 , 56 (Pt 4), 477-8		6
33	Benzimidazolium-based receptors: Case of iodide-water cluster induced supramolecular chain and improved fluorometric binding of iodide involving alcoholic group. <i>Journal of Molecular Structure</i> , 2013 , 1042, 57-65	3.4	5
32	trans-Pyridyl and naphthyridyl cinnamides as alternatives for urea in complexation of carboxylic acid and formation of water-templated assemblies in the solid state. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 321-9	3.4	5
31	2-(2-Hydroxyphenyl)-1,3-dithiane. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2003 , 59, o773-o775		5
30	Novel Motif of Hydrogen Bonds in the Water-assisted Supramolecular Self-assembly of 2-acetyl-6-methylpyridine-N-oxide and Hetero-assembly of 1:1 Co-crystal of o-Phenylenediamine with Catechol. <i>Supramolecular Chemistry</i> , 2000 , 11, 191-199	1.8	5
29	Triphenylamine-Based Open and Macrocyclic Receptors: A Study Towards Selective Recognition of Aliphatic Dicarboxylates. <i>ChemistrySelect</i> , 2017 , 2, 4794-4799	1.8	4
28	Diamino malenonitrile-linked naphthalimide in selective sensing of F ⁻ , CN ⁻ , Hg ²⁺ and Cu ²⁺ under different experimental conditions. <i>Supramolecular Chemistry</i> , 2020 , 32, 403-413	1.8	4
27	Anthracene appended pyridinium amide-urea conjugate in selective fluorometric sensing of L-N-acetylvaline salt. <i>Beilstein Journal of Organic Chemistry</i> , 2010 , 6, 1211-8	2.5	4
26	Progress in Benzimidazole/Benzimidazolium-Derived Supramolecular Gelators in Ion Recognition. <i>Mini-Reviews in Organic Chemistry</i> , 2020 , 17, 1042-1055	1.7	4
25	Naphthalimide-linked bispyridinium clefts in selective aqueous sensing of triphosphate and triphosphate-based biomolecules. <i>Analytical Methods</i> , 2019 , 11, 5864-5871	3.2	4
24	A new 1,2,3-triazole-decorated imino-phenol: selective sensing of Zn ²⁺ , Cu ²⁺ and picric acid under different experimental conditions. <i>New Journal of Chemistry</i> , 2021 , 45, 10923-10929	3.6	4
23	Selective Dosimetric Sensing of Hg ²⁺ Ions by Design-Based Small Molecular Gelator. <i>ChemistrySelect</i> , 2020 , 5, 5099-5108	1.8	3
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18	Cholesterol-Coupled Diazine-Phenol Gelator: Cyanide Sensing, Phase-Selective Gelation in Oil Spill Recovery and Dye Adsorption. <i>ChemistrySelect</i> , 2020 , 5, 11874-11881	1.8	3
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16	Pyridine-Based Macrocyclic and Open Receptors for Urea. <i>ChemistrySelect</i> , 2019 , 4, 12825-12831	1.8	3
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12	Self-assembly of 2-pivaloyl-6-chloropterin. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000 , 56 (Pt 6), 716-7		2
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9	Naphthalimide-decorated imino-phenol: supramolecular gelation and selective sensing of Fe ³⁺ and Cu ²⁺ ions under different experimental conditions. <i>New Journal of Chemistry</i> , 2021 , 45, 5213-5220	3.6	2
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7	Perimedine-linked rhodamine dye in visual sensing of Al ³⁺ , Fe ³⁺ and Fe ²⁺ ions in aqueous organic medium under different experimental conditions. <i>Supramolecular Chemistry</i> , 2019 , 31, 645-652	1.8	1
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4	Naphthalene-Coupled Pyridinium Urea Salt in Fluorometric Sensing of Iodide. <i>ChemistrySelect</i> , 2021 , 6, 6353-6359	1.8	1
3	A naphthalimide-linked new pyridylazo phenol derivative for selective sensing of cyanide ions (CN ⁻) in sol-gel medium. <i>Analytical Methods</i> , 2021 , 13, 695-702	3.2	1
2	Dipyrromethane-Based Receptor for Fluorometric Sensing of Hydrogenpyrophosphate. <i>ChemistrySelect</i> , 2021 , 6, 8932-8937	1.8	0

- 1 Progress of 3-aminopyridine-based amide, urea, imine and azo derivatives in supramolecular gelation. *Journal of the Indian Chemical Society*, **2022**, 100462

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