

# Hong Yao

## List of Publications by Citations

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178  
papers

3,258  
citations

29  
h-index

46  
g-index

186  
ext. papers

3,872  
ext. citations

4.4  
avg, IF

5.64  
L-index

#	Paper	IF	Citations
178	Iodine Controlled Pillar[5]arene-Based Multiresponsive Supramolecular Polymer for Fluorescence Detection of Cyanide, Mercury, and Cysteine. <i>Macromolecules</i> , <b>2017</b> , 50, 7863-7871	5.5	176
177	Pillararene-based fluorescent chemosensors: recent advances and perspectives. <i>Chemical Communications</i> , <b>2017</b> , 53, 13296-13311	5.8	126
176	Highly selective fluorescent sensing for CN <sup>-</sup> in water: utilization of the supramolecular self-assembly. <i>Chemical Communications</i> , <b>2013</b> , 49, 7812-4	5.8	122
175	Pillar[5]arene-Based Supramolecular Organic Framework with Multi-Guest Detection and Recyclable Separation Properties. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 777-783	4.8	116
174	A novel supramolecular polymer gel based on naphthalimide functionalized-pillar[5]arene for the fluorescence detection of Hg and I and recyclable removal of Hg via cation- $\pi$ interactions. <i>Soft Matter</i> , <b>2017</b> , 13, 7085-7089	3.6	73
173	Competition of cation- $\pi$ and exo-wall $\pi$ - $\pi$ interactions: a novel approach to achieve ultrasensitive response. <i>Chemical Communications</i> , <b>2018</b> , 54, 4549-4552	5.8	70
172	Anion induced supramolecular polymerization: a novel approach for the ultrasensitive detection and separation of F <sup>-</sup> . <i>Chemical Communications</i> , <b>2019</b> , 55, 3247-3250	5.8	60
171	Novel bispillar[5]arene-based AIEgen and its application in mercury(II) detection. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 272, 139-145	8.5	54
170	A novel functionalized pillar[5]arene-based selective amino acid sensor for L-tryptophan. <i>Organic Chemistry Frontiers</i> , <b>2017</b> , 4, 210-213	5.2	52
169	1,8-Naphthalimide-based fluorescent chemosensors: recent advances and perspectives. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 13501-13529	7.1	51
168	Copillar[5]arene-based supramolecular polymer gels. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 4722	4.9	50
167	A colorimetric and reversible fluorescent chemosensor for Ag <sup>+</sup> in aqueous solution and its application in IMPLICATION logic gate. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 239, 671-678	8.5	50
166	A novel AIE chemosensor based on quinoline functionalized Pillar[5]arene for highly selective and sensitive sequential detection of toxic Hg <sup>2+</sup> and CN <sup>-</sup> . <i>Dyes and Pigments</i> , <b>2019</b> , 164, 279-286	4.6	47
165	Pillar[5]arene-based multifunctional supramolecular hydrogel: multistimuli responsiveness, self-healing, fluorescence sensing, and conductivity. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 999-1003	7.8	46
164	Tri-pillar[5]arene-based multi-stimuli-responsive supramolecular polymers for fluorescence detection and separation of Hg <sup>2+</sup> . <i>Polymer Chemistry</i> , <b>2018</b> , 9, 4625-4630	4.9	44
163	Spongy Materials Based on Supramolecular Polymer Networks for Detection and Separation of Broad-Spectrum Pollutants. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 14775-14784	8.3	44
162	A colorimetric and fluorescent cyanide chemosensor based on dicyanovinyl derivatives: utilization of the mechanism of intramolecular charge transfer blocking. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 136 Pt B, 1047-51	4.4	41

161	Ultrasensitive Detection of Formaldehyde in Gas and Solutions by a Catalyst Preplaced Sensor Based on a Pillar[5]arene Derivative. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 8775-8781	8.3	41
160	Construction of stimuli-responsive supramolecular gel via bispillar[5]arene-based multiple interactions. <i>Polymer Chemistry</i> , <b>2017</b> , 8, 2005-2009	4.9	39
159	A rational designed fluorescent and colorimetric dual-channel sensor for cyanide anion based on the PET effect in aqueous medium. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 241, 430-437	8.5	39
158	A highly selective fluorescent chemosensor for iron ion based on 1H-imidazo [4,5-b] phenazine derivative. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 121, 514-9	4.4	38
157	Supramolecular Aggregation-Induced Emission Gels Based on Pillar[5]arene for Ultrasensitive Detection and Separation of Multianalytes. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 16597-16606	8.3	37
156	A pillar[5]arene-based multiple-stimuli responsive metal-organic gel was constructed for facile removal of mercury ions. <i>Soft Matter</i> , <b>2017</b> , 13, 5214-5218	3.6	35
155	An easy-to-make strong white AIE supramolecular polymer as a colour tunable photoluminescence material. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 13331-13335	7.1	31
154	Novel functionalized pillar[5]arene: synthesis, assembly and application in sequential fluorescent sensing for Fe <sup>3+</sup> and F <sup>-</sup> in aqueous media. <i>RSC Advances</i> , <b>2016</b> , 6, 20987-20993	3.7	30
153	Super metal hydrogels constructed from a simple tripodal gelator and rare earth metal ions and its application in highly selective and ultrasensitive detection of histidine. <i>Soft Matter</i> , <b>2019</b> , 15, 999-1004	3.6	29
152	Novel pillar[5]arene-based supramolecular organic framework gel for ultrasensitive response Fe and F in water. <i>Materials Science and Engineering C</i> , <b>2019</b> , 100, 62-69	8.3	29
151	A novel supramolecular organogel based on acylhydrazone functionalized pillar[5]arene acts as an I responsive smart material. <i>Soft Matter</i> , <b>2017</b> , 13, 7222-7226	3.6	29
150	Pillararene-based AIEgens: research progress and appealing applications. <i>Chemical Communications</i> , <b>2021</b> , 57, 284-301	5.8	29
149	A novel supramolecular polymer gel based on bis-naphthalimide functionalized-pillar[5]arene for fluorescence detection and separation of aromatic acid isomers. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 253-259	4.9	28
148	A novel supramolecular AIE gel acts as a multi-analyte sensor array. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 18059-18065	3.6	28
147	A simple Michael acceptor type quinoline derivative for highly selective sequential recognition of CN <sup>-</sup> and Cu <sup>2+</sup> in aqueous solution. <i>RSC Advances</i> , <b>2015</b> , 5, 49953-49957	3.7	27
146	A simple chemosensor for the dual-channel detection of cyanide in water with high selectivity and sensitivity. <i>RSC Advances</i> , <b>2016</b> , 6, 27130-27135	3.7	27
145	Recognition of dihydrogen phosphate ions using the cadmium complex of 2-pyridine-1H-imidazo[4,5-b]phenazine: utilization of the mechanism of twisted intramolecular charge transfer, long wavelength emission. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 3737	3.6	25
144	Multi-stimuli responsive metal-organic gel of benzimidazol-based ligands with lead nitrate and their use in removal of dyes from waste-water. <i>Chinese Chemical Letters</i> , <b>2013</b> , 24, 703-706	8.1	25

- 143 A highly selective dual-channel chemosensor for mercury ions: utilization of the mechanism of intramolecular charge transfer blocking. *New Journal of Chemistry*, **2014**, 38, 5075-5080 3.6 24
- 142 Novel multi-analyte responsive ionic supramolecular gels based on pyridinium functionalized-naphthalimide. *Soft Matter*, **2017**, 13, 7360-7364 3.6 24
- 141 A tripodal supramolecular sensor to successively detect picric acid and CN<sup>-</sup> through guest competitive controlled AIE. *New Journal of Chemistry*, **2019**, 43, 2030-2036 3.6 23
- 140 A highly selective PET-based chemosensor for instant detecting of Zn<sup>2+</sup>. *RSC Advances*, **2014**, 4, 35797 3.7 23
- 139 Cascade recognition of Cu<sup>2+</sup> and H<sub>2</sub>PO<sub>4</sub><sup>-</sup> with high sensitivity and selectivity in aqueous media based on the effect of ESIPT. *Sensors and Actuators B: Chemical*, **2017**, 242, 849-856 8.5 23
- 138 A dual-channel chemosensor could successively detect CN<sup>-</sup> and HSO<sub>4</sub><sup>-</sup> in an aqueous solution and act as a keypad lock. *RSC Advances*, **2016**, 6, 43832-43837 3.7 23
- 137 A simple water-soluble phenazine dye for colorimetric/fluorogenic dual-mode detection and removal of Cu<sup>2+</sup> in natural water and plant samples. *Dyes and Pigments*, **2019**, 171, 107707 4.6 22
- 136 A multi-stimuli responsive metallosupramolecular polypseudorotaxane gel constructed by self-assembly of a pillar[5]arene-based pseudo[3]rotaxane via zinc ion coordination and its application for highly sensitive fluorescence recognition of metal ions. *Polymer Chemistry*, **2018**, 9, 5370-5376 4.9 22
- 135 A copillar[5]arene-based fluorescence "on-off-on" sensor is applied in sequential recognition of an iron cation and a fluoride anion. *New Journal of Chemistry*, **2017**, 41, 2148-2153 3.6 21
- 134 A highly selective colorimetric and "off-on" fluorescent chemosensor for fluoride ions and its application as a molecular-scale logic device. *New Journal of Chemistry*, **2015**, 39, 8797-8801 3.6 21
- 133 A cationic water-soluble pillar[5]arene: synthesis and host-guest complexation with long linear acids. *RSC Advances*, **2015**, 5, 4958-4963 3.7 21
- 132 A novel pillar[5]arene-based supramolecular organic framework gel to achieve an ultrasensitive response by introducing the competition of cation-π interactions. *Soft Matter*, **2018**, 14, 3624-3631 3.6 21
- 131 A highly sensitive colorimetric chemodosimeter for cyanide anion by Michael addition based on a coumarin derivative. *New Journal of Chemistry*, **2016**, 40, 8607-8613 3.6 21
- 130 Selective Chemosensor of Fe<sup>3+</sup> Based on Fluorescence Quenching by 2,2'-Bisbenzimidazole Derivative in Aqueous Media. *Chinese Journal of Chemistry*, **2013**, 31, 515-519 4.9 21
- 129 Forming a water-soluble supramolecular polymer and an AIEE hydrogel: two novel approaches for highly sensitive detection and efficient adsorption of aldehydes. *Polymer Chemistry*, **2019**, 10, 6489-6494 4.9 21
- 128 Phenazine derivatives for optical sensing: a review. *Journal of Materials Chemistry C*, **2020**, 8, 11308-11339 3.9 20
- 127 A novel functionalized pillar[5]arene for forming a fluorescent switch and a molecular keypad. *RSC Advances*, **2016**, 6, 65898-65901 3.7 20
- 126 A novel pillar[5]arene-based chemosensor for dual-channel detecting L-Arg by multiple supramolecular interactions. *Dyes and Pigments*, **2019**, 171, 107706 4.6 19

125	A Fluorescent Chemosensor for Dihydrogen Phosphate Ion Based on 2-[2-Hydroxy-4-(diethylamino)phenyl]-1H-imidazo[4,5-b]phenazine-Fe <sup>3+</sup> Ensemble. <i>Chinese Journal of Chemistry</i> , <b>2014</b> , 32, 1238-1244	4.9	19
124	Pillar[5]arene-based spongy supramolecular polymer gel and its properties in multi-responsiveness, dye sorption, ultrasensitive detection and separation of Fe. <i>Soft Matter</i> , <b>2019</b> , 15, 3241-3247	3.6	18
123	Copillar[5]arene-based supramolecular polymer gel: controlling stimuli response properties through a novel strategy with surfactant. <i>RSC Advances</i> , <b>2015</b> , 5, 60273-60278	3.7	18
122	A carboxylic acid functionalized benzimidazole-based supramolecular gel with multi-stimuli responsive properties. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 4940-4944	3.6	18
121	A highly sensitive and selective Turn-on fluorescence sensor for rapid detection of cyanide ions in aqueous solution. <i>Supramolecular Chemistry</i> , <b>2016</b> , 28, 720-726	1.8	18
120	Aggregation-induced emission supramolecular organic framework (AIE SOF) gels constructed from tri-pillar[5]arene-based foldamer for ultrasensitive detection and separation of multi-analytes. <i>Soft Matter</i> , <b>2019</b> , 15, 6753-6758	3.6	18
119	A novel bis-component AIE smart gel with high selectivity and sensitivity to detect CN, Fe and HPO. <i>Soft Matter</i> , <b>2019</b> , 15, 6348-6352	3.6	18
118	A Highly Selective Colorimetric Sensor for Cu <sup>2+</sup> Based on Phenolic Group Biscarbonyl Hydrazone. <i>Chinese Journal of Chemistry</i> , <b>2013</b> , 31, 271-276	4.9	18
117	Multi-stimuli-responsive supramolecular gel constructed by pillar[5]arene-based pseudorotaxanes for efficient detection and separation of multi-analytes in aqueous solution. <i>Soft Matter</i> , <b>2018</b> , 14, 8529-8536	3.6	18
116	A novel histidine-functionalized 1,8-naphthalimide-based fluorescent chemosensor for the selective and sensitive detection of Hg <sup>2+</sup> in water. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 3303-3307	3.6	17
115	An easy prepared dual-channel chemosensor for selective and instant detection of fluoride based on double Schiff-base. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2016</b> , 167, 116-121	4.4	17
114	A silver-induced metal-organic gel based on biscarboxyl-functionalised benzimidazole derivative: stimuli responsive and dye sorption. <i>Supramolecular Chemistry</i> , <b>2014</b> , 26, 39-47	1.8	17
113	A highly selective colorimetric sensor for Hg <sup>2+</sup> based on a copper (II) complex of thiosemicarbazone in aqueous solutions. <i>Science China Chemistry</i> , <b>2013</b> , 56, 923-927	7.9	17
112	A bi-component supramolecular gel for selective fluorescence detection and removal of Hg in water. <i>Soft Matter</i> , <b>2019</b> , 15, 9547-9552	3.6	17
111	Phenazine-based colorimetric and fluorescent sensor for the selective detection of cyanides based on supramolecular self-assembly in aqueous solution. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2017</b> , 175, 117-124	4.4	16
110	Tripodal naphthalimide assembled novel AIE supramolecular fluorescent sensor for rapid and selective detection of picric acid. <i>Dyes and Pigments</i> , <b>2020</b> , 181, 108563	4.6	16
109	A reversible fluorescent chemosensor for the rapid detection of mercury ions (II) in water with high sensitivity and selectivity. <i>RSC Advances</i> , <b>2014</b> , 4, 61320-61323	3.7	16
108	A novel water soluble self-assembled supramolecular sensor based on pillar[5]arene for fluorescent detection CN <sup>-</sup> in water. <i>Tetrahedron</i> , <b>2017</b> , 73, 5307-5310	2.4	16

107	Supramolecular polymer materials based on pillar[5]arene: Ultrasensitive detection and efficient removal of cyanide. <i>Chinese Chemical Letters</i> , <b>2020</b> , 31, 1231-1234	8.1	16
106	Pillar[5]arene-based fluorescent polymer for selective detection and removal of mercury ions. <i>RSC Advances</i> , <b>2017</b> , 7, 47709-47714	3.7	15
105	Aggregation-Induced Emission Supramolecular Organic Framework (AIE SOF) Gels Constructed from Supramolecular Polymer Networks Based on Tripodal Pillar[5]arene for Fluorescence Detection and Efficient Removal of Various Analytes. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b>	8.3	15
104	Competition of Exo-wall $\pi$ - $\pi$ and Lone Pair-Interactions: A Viable Approach to Achieve Ultrasensitive Detection and Effective Removal of AsO <sub>2</sub> <sup>-</sup> in Water. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 5831-5836	8.3	15
103	Efficient sensing of fluoride ions in water using a novel water soluble self-assembled supramolecular sensor based on pillar[5]arene. <i>RSC Advances</i> , <b>2016</b> , 6, 111928-111933	3.7	15
102	A rapid selective colorimetric and $\pi$ - $\pi$ Fluorimetric sensor for detecting Cu <sup>2+</sup> ions in aqueous media based on a simple bis-schiff-base derivative. <i>Supramolecular Chemistry</i> , <b>2015</b> , 27, 471-477	1.8	15
101	Fluorescent "turn-on" detecting CN <sup>-</sup> by nucleophilic addition induced Schiff-base hydrolysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 141, 113-8	4.4	15
100	A cyanide-triggered hydrogen-bond-breaking deprotonation mechanism: fluorescent detection of cyanide using a thioacetohydrazone-functionalized bispillar[5]arene. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 1271-1275	3.6	15
99	Acyldihydrazone functionalized benzimidazole-based metallogel for the efficient detection and separation of Cr. <i>Soft Matter</i> , <b>2018</b> , 14, 8390-8394	3.6	15
98	A bis-naphthalimide functionalized pillar[5]arene-based supramolecular gel acts as a multi-stimuli-responsive material. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 16167-16173	3.6	15
97	A novel water soluble chemosensor based on carboxyl functionalized NDI derivatives for selective detection and facile removal of mercury(II). <i>RSC Advances</i> , <b>2017</b> , 7, 11206-11210	3.7	14
96	Colorimetric and fluorescent chemosensor for highly selective and sensitive relay detection of Cu and HPO in aqueous media. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2017</b> , 182, 67-72	4.4	14
95	A novel AIE-based supramolecular polymer gel serves as an ultrasensitive detection and efficient separation material for multiple heavy metal ions. <i>Soft Matter</i> , <b>2019</b> , 15, 6878-6884	3.6	14
94	A water-soluble pillar[5]arene-based chemosensor for highly selective and sensitive fluorescence detection of L-methionine. <i>RSC Advances</i> , <b>2017</b> , 7, 34411-34414	3.7	14
93	Synthesis of Copillar[5]arene by Co-oligomerization of Different Monomers and Its Application to Supramolecular Polymer Gel. <i>Chinese Journal of Chemistry</i> , <b>2015</b> , 33, 373-378	4.9	14
92	Tri-pillar[5]arene-Based Multifunctional Stimuli-Responsive Supramolecular Polymer Network with Conductivity, Aggregation-Induced Emission, Thermochromism, Fluorescence Sensing, and Separation Properties. <i>Macromolecules</i> , <b>2021</b> , 54, 373-383	5.5	14
91	Transparency and AIE tunable supramolecular polymer hydrogel acts as TEA-HCl vapor controlled smart optical material. <i>Soft Matter</i> , <b>2020</b> , 16, 5734-5739	3.6	14
90	Novel 2-(hydroxy)-naphthyl imino functionalized pillar[5]arene: a highly efficient supramolecular sensor for tandem fluorescence detection of Fe <sup>3+</sup> and $\pi$ - $\pi$ and the facile separation of Fe <sup>3+</sup> . <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 11548-11554	3.6	14



89	Highly selective and sensitive chemosensor based on 2,3-diaminophenazine hydrochloride for the detection of cyanide in pure water and its application in plant seed samples. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 14766-14771	3.6	13
88	Turn-on fluorescence sensing of cyanide ions in aqueous solution. <i>Chinese Chemical Letters</i> , <b>2014</b> , 25, 35-38	8.1	13
87	Ratiometric fluorescent sensor based oxazolo-phenazine derivatives for detect hypochlorite via oxidation reaction and its application in environmental samples. <i>Dyes and Pigments</i> , <b>2020</b> , 172, 107765	4.6	13
86	Highly selective Fe and F/HPO sensor based on a water-soluble cationic pillar[5]arene with aggregation-induced emission characteristic. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2019</b> , 221, 117215	4.4	12
85	Novel cyanide supramolecular fluorescent chemosensor constructed from a quinoline hydrazone functionalized-pillar[5]arene. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2019</b> , 220, 117136	4.4	12
84	A novel naphthalimide- $\gamma$ -lutathione chemosensor for fluorescent detection of Fe <sup>3+</sup> and Hg <sup>2+</sup> in aqueous medium and its application. <i>Tetrahedron</i> , <b>2018</b> , 74, 4005-4012	2.4	12
83	A novel strong AIE bi-component hydrogel as a multi-functional supramolecular fluorescent material. <i>Dyes and Pigments</i> , <b>2019</b> , 171, 107745	4.6	12
82	An easy prepared double naphthalene Schiff-base for highly selective sensing of cyanide via the dipolymer in aqueous solution. <i>Supramolecular Chemistry</i> , <b>2014</b> , 26, 403-408	1.8	12
81	A benzimidazole functionalized NDI derivative for recyclable fluorescent detection of cyanide in water. <i>RSC Advances</i> , <b>2017</b> , 7, 38458-38462	3.7	12
80	Novel tripodal-pillar[5]arene-based chemical sensor for efficient detection and removal paraquat by synergistic effect. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 327, 128885	8.5	12
79	A simple pincer-type chemosensor for reversible fluorescence turn-on detection of zinc ion at physiological pH range. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 4162-4167	3.6	11
78	A novel self-assembled supramolecular sensor based on thiophene-functionalized imidazophenazine for dual-channel detection of Ag <sup>+</sup> in an aqueous solution. <i>RSC Advances</i> , <b>2017</b> , 7, 53439-53444	3.7	11
77	Novel smart supramolecular metallo-hydrogel that could selectively recognize and effectively remove Pb <sup>2+</sup> in aqueous solution. <i>Science China Chemistry</i> , <b>2012</b> , 55, 2554-2561	7.9	11
76	-(2-Aminoethyl)-2-(hexylthio) Acetamide-Functionalized Pillar[5]arene for the Selective Detection of L-Trp through Guest-Adaptive Multisupramolecular Interactions. <i>Journal of Physical Chemistry A</i> , <b>2020</b> , 124, 9811-9817	2.8	11
75	Novel Fluorescent Chemosensor for Detection of F <sup>-</sup> Anions Based on a Single Functionalized Pillar[5]arene Iron(III) Complex. <i>Chinese Journal of Chemistry</i> , <b>2016</b> , 34, 1263-1267	4.9	11
74	A highly selective colorimetric and Off-On fluorescence sensor for CN <sup>-</sup> based on Zn(salphenazine) complex. <i>Science China Chemistry</i> , <b>2017</b> , 60, 754-760	7.9	10
73	An azine-containing bispillar[5]arene-based multi-stimuli responsive supramolecular pseudopolyrotaxane gel for effective adsorption of rhodamine B. <i>Soft Matter</i> , <b>2019</b> , 15, 6836-6841	3.6	10
72	Novel fluorescent cyanide-selective chemosensor based on a functionalised pillar[5]arene copper(II) complex. <i>Supramolecular Chemistry</i> , <b>2017</b> , 29, 411-416	1.8	10

71	Pillar[5]arene-based supramolecular AIE hydrogel with white light emission for ultrasensitive detection and effective separation of multianalytes. <i>Polymer Chemistry</i> , <b>2020</b> , 11, 5455-5462	4.9	10
70	Supramolecular hydrogel-based AIEgen: Construction and dual-channel recognition of negative charged dyes. <i>Dyes and Pigments</i> , <b>2019</b> , 167, 16-21	4.6	9
69	A novel water soluble pillar[5]arene and phenazine derivative self-assembled pseudorotaxane sensor for the selective detection of Hg <sup>2+</sup> and Ag <sup>+</sup> with high selectivity and sensitivity. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 10148-10152	3.6	9
68	A pillar[5]arene-based fluorescent sensor for sensitive detection of L-Met through a dual-site collaborative mechanism. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 240, 118569	4.4	8
67	A novel pillar[5]arene-based emission enhanced supramolecular sensor for dual-channel selective detection and separation of Hg <sup>2+</sup> . <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 13157-13162	3.6	8
66	In Situ Generation of AgI Quantum Dots by the Confinement of A Supramolecular Polymer Network: A Novel Approach for Ultrasensitive Response. <i>Chemistry - an Asian Journal</i> , <b>2019</b> , 14, 3274-3278	4.5	8
65	Metal-Organic Gels Based on Carboxyl-Functionalized Benzimidazole and Their Stimuli Responsivenesses. <i>Chinese Journal of Chemistry</i> , <b>2014</b> , 32, 607-612	4.9	8
64	A Rational Designed Dual-channel Chemosensor for Mercury Ions Based on Hydrolysis of Schiff Base. <i>Chinese Journal of Chemistry</i> , <b>2014</b> , 32, 637-644	4.9	8
63	A pillar[5]arene-based and OH <sup>-</sup> dependent dual-channel supramolecular chemosensor for recyclable CO <sub>2</sub> gas detection: High sensitive and selective off-on-off response. <i>Dyes and Pigments</i> , <b>2020</b> , 174, 108073	4.6	8
62	A biacylhydrazone-based chemosensor for fluorescence turn-on detection of Al <sup>3+</sup> with high selectivity and sensitivity. <i>Supramolecular Chemistry</i> , <b>2019</b> , 31, 80-88	1.8	8
61	Mercaptooxazolephenazine based blue fluorescent sensor for the ultra-sensitive detection of mercury(II) ions in aqueous solution. <i>RSC Advances</i> , <b>2017</b> , 7, 47547-47551	3.7	7
60	A reversible fluorescent chemosensor for the rapid sensing of CN <sup>-</sup> in water: utilization of the intramolecular charge transfer blocking. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 2327-2332	3.6	7
59	A simple dual-channel sensor for detecting cyanide in water with high selectivity and sensitivity. <i>Supramolecular Chemistry</i> , <b>2016</b> , 28, 913-920	1.8	7
58	An efficient iodide ion chemosensor and a rewritable dual-channel security display material based on an ion responsive supramolecular gel. <i>RSC Advances</i> , <b>2017</b> , 7, 38210-38215	3.7	7
57	A fluorescent supramolecular gel and its application in the ultrasensitive detection of CN <sup>-</sup> by anion-π interactions. <i>Soft Matter</i> , <b>2020</b> , 16, 9876-9881	3.6	7
56	Lanthanide-Mediated Cyclodextrin-Based Supramolecular Assembly-Induced Emission Xerogel Films: A Transparent Multicolor Photoluminescent Material. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 13048-13055	8.3	7
55	Linear tri-pillar[5]arene-based acceptor for efficiently separate paraquat from water through collaboration effect. <i>Materials Science and Engineering C</i> , <b>2021</b> , 118, 111358	8.3	7
54	Metal-Free White Light-Emitting Fluorescent Material Based on Simple Pillar[5]arene-tripodal Amide System and Theoretical Insights on Its Assembly and Fluorescent Properties. <i>Langmuir</i> , <b>2020</b> , 36, 13469-13476	4	6



53	A novel iodination-triggered competitive coordination mechanism: indirect detection of Hg <sup>2+</sup> and Pb <sup>2+</sup> using a simple copillar[5]arene-based fluorometric sensor. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 12707-12712	3.6	6
52	Novel supramolecular sensors constructed from pillar[5]arene and a naphthalimide for efficient detection of Fe <sup>3+</sup> and F <sup>-</sup> in water. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 12172-12177	3.6	6
51	Th tuned aggregation-induced emission: A novel strategy for sequential ultrasensitive detection and separation of Th and Hg. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 229, 117926	4.4	6
50	A novel bis-acylhydrazone supramolecular gel and its application in ultrasensitive detection of CN <sup>-</sup> . <i>Dyes and Pigments</i> , <b>2021</b> , 186, 108949	4.6	6
49	Stimuli-responsive supramolecular hydrogel with white AIE effect for ultrasensitive detection of Fe <sup>3+</sup> and as rewritable fluorescent materials. <i>Dyes and Pigments</i> , <b>2021</b> , 184, 108875	4.6	6
48	A Turn-On Fluorescence Chemosensor for Cyanide in Aqueous Media Based on a Nucleophilic Addition Reaction. <i>Chinese Journal of Chemistry</i> , <b>2017</b> , 35, 1165-1169	4.9	5
47	Sensitive and Selective Fluorescent and Colorimetric Sensor for Ag <sup>+</sup> Based on the Supramolecular Self-Assembly in Semi-Water. <i>Chinese Journal of Chemistry</i> , <b>2017</b> , 35, 1311-1316	4.9	5
46	Rationally introduce AIE into chemosensor: A novel and efficient way to achieving ultrasensitive multi-guest sensing. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2019</b> , 218, 263-270	4.4	5
45	A water-soluble fluorescent chemosensor based on Asp functionalized naphthalimide for successive detection Fe <sup>3+</sup> and H <sub>2</sub> PO <sub>4</sub> <sup>-</sup> . <i>Canadian Journal of Chemistry</i> , <b>2018</b> , 96, 363-370	0.9	5
44	A reversible dual-channel chemosensor for fluoride anion. <i>Supramolecular Chemistry</i> , <b>2015</b> , 27, 552-558	1.8	5
43	Research Progress of Cyanide Sensors in Different Medium. <i>Chinese Journal of Organic Chemistry</i> , <b>2019</b> , 39, 1226	3	5
42	Research progress of redox-responsive supramolecular gel. <i>Supramolecular Chemistry</i> , <b>2020</b> , 32, 578-596	1.8	5
41	Novel chemosensor for ultrasensitive dual-channel detection of Cu <sup>2+</sup> and its application in IMPLICATION logic gate. <i>Journal of Luminescence</i> , <b>2018</b> , 202, 225-231	3.8	5
40	Highly selective fluorescent chemosensor for Cu <sup>2+</sup> . <i>Chemical Research in Chinese Universities</i> , <b>2015</b> , 31, 347-351	2.2	4
39	Sensitive and selective chemosensor for instant detecting fluoride ion via different channels. <i>Supramolecular Chemistry</i> , <b>2015</b> , 27, 201-211	1.8	4
38	Rapid and Selective Detection of Cyanide Anion by Enhanced Fluorescent Emission and Colorimetric Color Changes at Micromole Levels in Aqueous Medium. <i>Journal of Heterocyclic Chemistry</i> , <b>2018</b> , 55, 879-887	1.9	4
37	Study on the Anion Recognition Properties of Synthesized Receptors (III): Convenient Synthesis and Anion Recognition Property of Bisthiosemicarbazone Derivative. <i>Chinese Journal of Chemistry</i> , <b>2006</b> , 24, 1406-1410	4.9	4
36	A signal amplification strategy for ultrasensitive detecting H <sub>2</sub> PO <sub>4</sub> <sup>-</sup> using metal coordinated supramolecular gel. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 321, 114500	6	4

35	formation of Hg-coordinated fluorescent nanoparticles through a supramolecular polymer network used for efficient Hg sensing and separation. <i>Nanoscale</i> , <b>2021</b> , 13, 9172-9176	7.7	4
34	Supramolecular AIE polymer-based rare earth metallogels for the selective detection and high efficiency removal of cyanide and perchlorate. <i>Polymer Chemistry</i> , <b>2021</b> , 12, 2001-2008	4.9	4
33	A pillar[5]arene-based supramolecular polymer network gel and its application in adsorption and removal of organic dye in water. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>2020</b> , 97, 137-145	1.7	3
32	A novel AIE chemosensor based on a coumarin functionalized pillar[5]arene for multi-analyte detection and application in logic gates. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 10885-10891	3.6	3
31	Stimuli-responsive supramolecular polymer network based on bi-pillar[5]arene for efficient adsorption of multiple organic dye contaminants. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 12531-12537	3.6	3
30	A highly selective and sensitive dual-channel chemosensor for cyanide based on sulfahydrazone derivative. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2016</b> , 191, 1318-1323	1	3
29	A novel supramolecular AIE gel for fluorescence detection and separation of metal ions from aqueous solution. <i>Soft Matter</i> , <b>2019</b> , 15, 6530-6535	3.6	3
28	A Phenazine Hydrochloride for the Selective Detection and Removal of Mercury(II) Ions in Water. <i>ChemistrySelect</i> , <b>2019</b> , 4, 10060-10064	1.8	3
27	A novel fluorescent chemosensor based on naphthofuran functionalized naphthalimide for highly selective and sensitive detecting Hg <sup>2+</sup> and CN <sup>-</sup> . <i>Journal of Luminescence</i> , <b>2022</b> , 244, 118722	3.8	3
26	Synthesis and Fe <sup>3+</sup> Sensing Properties of the Chemosensor Based on Functionalized Naphthalimide Schiff Base Derivative. <i>Chinese Journal of Organic Chemistry</i> , <b>2018</b> , 38, 1800	3	3
25	A novel nitrogen mustard functionalized tripodal AIE compound act as prodrug for fluorescent imaging and anticancer. <i>Journal of Luminescence</i> , <b>2020</b> , 227, 117546	3.8	3
24	Fabrication of a luminescence-silent oxidation platform based on phenazine derivatives for monitoring and imaging ascorbic acid in living cells and real sample. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 329, 129170	8.5	3
23	Synthesis, crystal structure of a novel metal-organic framework and its catalyzing properties on the selective oxidation of cyclohexene to cyclohexenone. <i>Inorganica Chimica Acta</i> , <b>2021</b> , 525, 120494	2.7	3
22	Novel fluorescent supramolecular polymer metallogel based on Al <sup>3+</sup> coordinated cross-linking of quinoline functionalized- pillar[5]arene act as multi-stimuli-responsive materials. <i>Applied Organometallic Chemistry</i> , <b>2020</b> , 34, e5519	3.1	2
21	Synthetic strategies of phenazine derivatives: A review. <i>Journal of Heterocyclic Chemistry</i> ,	1.9	2
20	Tripodal aroyl hydrazone based AIE fluorescent sensor for relay detection Hg <sup>2+</sup> and Br <sup>-</sup> in living cells. <i>Dyes and Pigments</i> , <b>2021</b> , 191, 109389	4.6	2
19	A simple chemosensor for ultrasensitive fluorescent turn-on detection of Fe <sup>3+</sup> and alternant detection of CN <sup>-</sup> . <i>Supramolecular Chemistry</i> , <b>2019</b> , 31, 745-755	1.8	2
18	Fabrication of a solid sensor based on a phenazine derivative film for enhancing the sensing properties of biogenic amine and applying for monitoring shrimp freshness. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 11234-11244	3.6	2

17	Novel metallogel-based micro-acanthosphere material constructed from two tripodal gelators for efficient separation of organic dyes. <i>Materials Letters</i> , <b>2020</b> , 274, 128015	3.3	1
16	Frontispiece: Pillar[5]arene-Based Supramolecular Organic Framework with Multi-Guest Detection and Recyclable Separation Properties. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24,	4.8	1
15	Regulation of conjugate rigid plane structures for achieving transformation of fluorescence recognition properties. <i>New Journal of Chemistry</i> , <b>2022</b> , 46, 2858-2862	3.6	1
14	1-(2-Carb-oxy-eth-yl)-3-(carboxyl-atometh-yl)-2-ethyl-benzimidazol-1-ium monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2013</b> , 69, o546		1
13	A supramolecular polymer network constructed by pillar[5]arene-based host-guest interactions and its application in nitro explosive detection. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1	1.7	1
12	Controllable self-assemblies of 2,2'-bibenzimidazole derivative: Detection and adsorption of heavy metal ion. <i>Dyes and Pigments</i> , <b>2022</b> , 198, 110021	4.6	1
11	Formation of a lead chalcogenide quantum dot-based supramolecular polymer network via pillar[5]arene-based host-guest complexation. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 5833-5840	7.8	1
10	A novel highly sensitive dual-channel chemical sensor for sequential recognition of Cu <sup>2+</sup> and CN <sup>-</sup> aqueous media and its bioimaging applications in living cells. <i>New Journal of Chemistry</i> ,	3.6	1
9	Theoretical and Experimental Insights into the Self-Assembly and Ion Response Mechanisms of Tripodal Quinolinamido-Based Supramolecular Organogels. <i>ChemPlusChem</i> , <b>2021</b> , 86, 146-154	2.8	1
8	Influence of monomers' structure on the assembly and material property of pillar[5]arene-based supramolecular polymer gels. <i>Chinese Journal of Chemistry</i> ,	4.9	1
7	Acid-base regulation the reversible transformation of novel phenazine derivatives and serving as biomarker for tracing acidity change in living cell and mice. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 344, 130287	8.5	1
6	Novel tetra-arm chemosensor supply 'collaboration effect' for highly sensitive fluorescent and colorimetric sensing of L-Arg. <i>Dyes and Pigments</i> , <b>2021</b> , 194, 109658	4.6	1
5	Novel tri-[2]rotaxane-based stimuli-responsive fluorescent nanoparticles and their guest controlled reversible morphological transformation properties. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 3863-3870	7.1	1
4	A mechanically self-locked gemini-[1]rotaxane-assembled microsphere and its properties on L-Arg controlled reversible morphology and fluorescence changes. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 10347-10353	7.1	0
3	A novel photochemical sensor based on quinoline-functionalized phenazine derivatives for multiple substrate detection. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 5040-5048	3.6	0
2	A simple pillar[5]arene assembled multi-functional material with ultrasensitive sensing, self-healing, conductivity and host-guest stimuli-responsive properties. <i>Soft Matter</i> , <b>2021</b> , 17, 8308-8313	3.6	0
1	Selective fluorescent detection toluene in water by a novel and simple tetra-hydrazone-biphenol-based chemosensor. <i>Dyes and Pigments</i> , <b>2022</b> , 203, 110342	4.6	