

Tai-Bao Wei

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233
papers

4,901
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h-index

57
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240
ext. papers

5,651
ext. citations

4.3
avg, IF

5.96
L-index

#	Paper	IF	Citations
233	Rationally introduce multi-competitive binding interactions in supramolecular gels: a simple and efficient approach to develop multi-analyte sensor array. <i>Chemical Science</i> , 2016 , 7, 5341-5346	9.4	255
232	A novel supramolecular metallogel-based high-resolution anion sensor array. <i>Chemical Communications</i> , 2015 , 51, 1635-8	5.8	179
231	Iodine Controlled Pillar[5]arene-Based Multiresponsive Supramolecular Polymer for Fluorescence Detection of Cyanide, Mercury, and Cysteine. <i>Macromolecules</i> , 2017 , 50, 7863-7871	5.5	176
230	A novel smart organogel which could allow a two channel anion response by proton controlled reversible sol-gel transition and color changes. <i>Chemical Communications</i> , 2009 , 6074-6	5.8	136
229	Pillararene-based fluorescent chemosensors: recent advances and perspectives. <i>Chemical Communications</i> , 2017 , 53, 13296-13311	5.8	126
228	Highly selective fluorescent sensing for CN ⁻ in water: utilization of the supramolecular self-assembly. <i>Chemical Communications</i> , 2013 , 49, 7812-4	5.8	122
227	Pillar[5]arene-Based Supramolecular Organic Framework with Multi-Guest Detection and Recyclable Separation Properties. <i>Chemistry - A European Journal</i> , 2018 , 24, 777-783	4.8	116
226	Reaction-based ratiometric chemosensor for instant detection of cyanide in water with high selectivity and sensitivity. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 3015-21	4.5	82
225	Double metal ions competitively control the guest-sensing process: a facile approach to stimuli-responsive supramolecular gels. <i>Chemistry - A European Journal</i> , 2014 , 20, 11457-62	4.8	79
224	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-π interactions. <i>Soft Matter</i> , 2017 , 13, 7085-7089	3.6	73
223	Competition of cation-π and exo-wall π interactions: a novel approach to achieve ultrasensitive response. <i>Chemical Communications</i> , 2018 , 54, 4549-4552	5.8	70
222	A highly selective colorimetric chemosensor for detection of nickel ions in aqueous solution. <i>New Journal of Chemistry</i> , 2014 , 38, 1418-1423	3.6	69
221	A new unsymmetrical azine derivative based on coumarin group as dual-modal sensor for CN ⁻ and fluorescent "OFF-ON" for Zn. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 175, 125-133	4.4	60
220	Anion induced supramolecular polymerization: a novel approach for the ultrasensitive detection and separation of F ⁻ . <i>Chemical Communications</i> , 2019 , 55, 3247-3250	5.8	60
219	A novel strategy for the design of smart supramolecular gels: controlling stimuli-response properties through competitive coordination of two different metal ions. <i>Chemical Communications</i> , 2014 , 50, 10669-71	5.8	56
218	Novel bispillar[5]arene-based AIEgen and its application in mercury(II) detection. <i>Sensors and Actuators B: Chemical</i> , 2018 , 272, 139-145	8.5	54
217	A highly selective and sensitive chemosensor for instant detection cyanide via different channels in aqueous solution. <i>Tetrahedron</i> , 2014 , 70, 1889-1894	2.4	52

216	A novel functionalized pillar[5]arene-based selective amino acid sensor for L-tryptophan. <i>Organic Chemistry Frontiers</i> , 2017 , 4, 210-213	5.2	52
215	1,8-Naphthalimide-based fluorescent chemosensors: recent advances and perspectives. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 13501-13529	7.1	51
214	Copillar[5]arene-based supramolecular polymer gels. <i>Polymer Chemistry</i> , 2014 , 5, 4722	4.9	50
213	A colorimetric and reversible fluorescent chemosensor for Ag ⁺ in aqueous solution and its application in IMPLICATION logic gate. <i>Sensors and Actuators B: Chemical</i> , 2017 , 239, 671-678	8.5	50
212	A novel AIE chemosensor based on quinoline functionalized Pillar[5]arene for highly selective and sensitive sequential detection of toxic Hg ²⁺ and CN ⁻ . <i>Dyes and Pigments</i> , 2019 , 164, 279-286	4.6	47
211	Rationally designed anion-responsive-organogels: sensing F ⁻ via reversible color changes in gel-gel states with specific selectivity. <i>Soft Matter</i> , 2014 , 10, 5715-23	3.6	47
210	A reversible fluorescent chemosensor for iron ions based on 1H-imidazo [4,5-b] phenazine derivative. <i>Sensors and Actuators B: Chemical</i> , 2015 , 213, 501-507	8.5	46
209	Pillar[5]arene-based multifunctional supramolecular hydrogel: multistimuli responsiveness, self-healing, fluorescence sensing, and conductivity. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 999-1003	7.8	46
208	Tri-pillar[5]arene-based multi-stimuli-responsive supramolecular polymers for fluorescence detection and separation of Hg ²⁺ . <i>Polymer Chemistry</i> , 2018 , 9, 4625-4630	4.9	44
207	Spongy Materials Based on Supramolecular Polymer Networks for Detection and Separation of Broad-Spectrum Pollutants. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 14775-14784	8.3	44
206	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> , 2015 , 136 Pt B, 1047-51	4.4	41
205	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> , 2018 , 6, 8775-8781	8.3	41
204	A reversible fluorescent chemosensor for mercury ions based on 1H-imidazo[4,5-b]phenazine derivatives. <i>Tetrahedron</i> , 2013 , 69, 7981-7987	2.4	40
203	Construction of stimuli-responsive supramolecular gel via bispillar[5]arene-based multiple interactions. <i>Polymer Chemistry</i> , 2017 , 8, 2005-2009	4.9	39
202	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> , 2017 , 241, 430-437	8.5	39
201	A fluorescent and colorimetric chemosensor for dihydrogen phosphate ions based on 2-pyridine-1H-imidazo[4,5-b]phenazine-zinc ensemble. <i>Sensors and Actuators B: Chemical</i> , 2014 , 190, 555-561	8.5	39
200	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> , 2014 , 121, 514-9	4.4	38
199	A "keto-enol tautomerization"-based response mechanism: a novel approach to stimuli-responsive supramolecular gel. <i>Chemical Communications</i> , 2015 , 51, 12224-7	5.8	37

198	Supramolecular Aggregation-Induced Emission Gels Based on Pillar[5]arene for Ultrasensitive Detection and Separation of Multianalytes. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 16597-16606	8.3	37
197	A pillar[5]arene-based cyanide sensor bearing on a novel cyanide-induced self-assemble mechanism. <i>Dyes and Pigments</i> , 2016 , 127, 59-66	4.6	35
196	A pillar[5]arene-based multiple-stimuli responsive metal-organic gel was constructed for facile removal of mercury ions. <i>Soft Matter</i> , 2017 , 13, 5214-5218	3.6	35
195	Competitive coordination control of the AIE and micro states of supramolecular gel: an efficient approach for reversible dual-channel stimuli-response materials. <i>Soft Matter</i> , 2014 , 10, 8427-32	3.6	34
194	A highly selective dual-channel Hg ²⁺ chemosensor based on an easy to prepare double naphthalene Schiff base. <i>Science China Chemistry</i> , 2013 , 56, 612-618	7.9	34
193	A recyclable probe for highly selective and sensitive detection of cyanide anion in aqueous medium by fluorescent and colorimetric changes. <i>Sensors and Actuators B: Chemical</i> , 2016 , 232, 115-124	8.5	32
192	An easy-to-make strong white AIE supramolecular polymer as a colour tunable photoluminescence material. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 13331-13335	7.1	31
191	Novel functionalized pillar[5]arene: synthesis, assembly and application in sequential fluorescent sensing for Fe ³⁺ and F ⁻ in aqueous media. <i>RSC Advances</i> , 2016 , 6, 20987-20993	3.7	30
190	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> , 2019 , 15, 999-1004	3.6	29
189	Novel pillar[5]arene-based supramolecular organic framework gel for ultrasensitive response Fe and F in water. <i>Materials Science and Engineering C</i> , 2019 , 100, 62-69	8.3	29
188	A novel supramolecular organogel based on acylhydrazone functionalized pillar[5]arene acts as an I responsive smart material. <i>Soft Matter</i> , 2017 , 13, 7222-7226	3.6	29
187	Pillararene-based AIEgens: research progress and appealing applications. <i>Chemical Communications</i> , 2021 , 57, 284-301	5.8	29
186	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> , 2019 , 10, 253-259	4.9	28
185	A novel supramolecular AIE gel acts as a multi-analyte sensor array. <i>New Journal of Chemistry</i> , 2018 , 42, 18059-18065	3.6	28
184	A novel imidazophenazine-based metallo gel act as reversible H ₂ PO ₄ ³⁻ sensor and rewritable fluorescent display material. <i>Sensors and Actuators B: Chemical</i> , 2017 , 251, 250-255	8.5	27
183	A simple Michael acceptor type quinoline derivative for highly selective sequential recognition of CN ⁻ and Cu ²⁺ in aqueous solution. <i>RSC Advances</i> , 2015 , 5, 49953-49957	3.7	27
182	A simple chemosensor for the dual-channel detection of cyanide in water with high selectivity and sensitivity. <i>RSC Advances</i> , 2016 , 6, 27130-27135	3.7	27
181	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> , 2013 , 37, 3737	3.6	25

180	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> , 2013 , 24, 703-706	8.1	25
179	A turn-on fluorescent chemosensor selectively detects cyanide in pure water and food sample. <i>Tetrahedron Letters</i> , 2016 , 57, 2767-2771	2	25
178	Novel multi-analyte responsive ionic supramolecular gels based on pyridinium functionalized-naphthalimide. <i>Soft Matter</i> , 2017 , 13, 7360-7364	3.6	24
177	A tripodal supramolecular sensor to successively detect picric acid and CN ⁻ through guest competitive controlled AIE. <i>New Journal of Chemistry</i> , 2019 , 43, 2030-2036	3.6	23
176	Rationally designed supramolecular organogel dual-channel sense F ⁻ under gel states via ion-controlled AIE. <i>Dyes and Pigments</i> , 2015 , 113, 748-753	4.6	23
175	A highly selective PET-based chemosensor for instant detecting of Zn ²⁺ . <i>RSC Advances</i> , 2014 , 4, 35797	3.7	23
174	Cascade recognition of Cu ²⁺ and H ₂ PO ₄ ⁻ with high sensitivity and selectivity in aqueous media based on the effect of ES IPT. <i>Sensors and Actuators B: Chemical</i> , 2017 , 242, 849-856	8.5	23
173	A dual-channel chemosensor could successively detect CN ⁻ and HSO ₄ ⁻ in an aqueous solution and act as a keypad lock. <i>RSC Advances</i> , 2016 , 6, 43832-43837	3.7	23
172	A highly selective colorimetric chemosensor for detection of iodide ions in aqueous solution. <i>RSC Advances</i> , 2016 , 6, 86627-86631	3.7	22
171	A simple water-soluble phenazine dye for colorimetric/ fluorogenic dual-mode detection and removal of Cu ²⁺ in natural water and plant samples. <i>Dyes and Pigments</i> , 2019 , 171, 107707	4.6	22
170	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. <i>Polymer Chemistry</i> , 2018 , 9, 5370-5376	4.9	22
169	A copillar[5]arene-based fluorescence "on-off-on" sensor is applied in sequential recognition of an iron cation and a fluoride anion. <i>New Journal of Chemistry</i> , 2017 , 41, 2148-2153	3.6	21
168	A highly selective colorimetric and "off-on" fluorescent chemosensor for fluoride ions and its application as a molecular-scale logic device. <i>New Journal of Chemistry</i> , 2015 , 39, 8797-8801	3.6	21
167	A cationic water-soluble pillar[5]arene: synthesis and host-guest complexation with long linear acids. <i>RSC Advances</i> , 2015 , 5, 4958-4963	3.7	21
166	A novel pillar[5]arene-based supramolecular organic framework gel to achieve an ultrasensitive response by introducing the competition of cation-π interactions. <i>Soft Matter</i> , 2018 , 14, 3624-3631	3.6	21
165	A highly sensitive colorimetric chemodosimeter for cyanide anion by Michael addition based on a coumarin derivative. <i>New Journal of Chemistry</i> , 2016 , 40, 8607-8613	3.6	21
164	Selective Chemosensor of Fe ³⁺ Based on Fluorescence Quenching by 2,2'-Bisbenzimidazole Derivative in Aqueous Media. <i>Chinese Journal of Chemistry</i> , 2013 , 31, 515-519	4.9	21
163	A turn-on fluorescent sensor for relay recognition of two ions: from a F ⁻ selective sensor to highly Zn ²⁺ -selective sensor by tuning electronic effects. <i>RSC Advances</i> , 2016 , 6, 35804-35808	3.7	21

- 162 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
- 161 Phenazine derivatives for optical sensing: a review. *Journal of Materials Chemistry C*, **2020**, 8, 11308-11339 1 20
- 160 A novel functionalized pillar[5]arene for forming a fluorescent switch and a molecular keypad. *RSC Advances*, **2016**, 6, 65898-65901 3.7 20
- 159 Colorimetric probes designed to provide high sensitivity and single selectivity for CN⁻ in aqueous solution. *New Journal of Chemistry*, **2015**, 39, 7206-7210 3.6 19
- 158 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
- 157 A reversible fluorescent chemosensor for Fe³⁺ and H₂PO₄⁻ with "on-off-on" switching in aqueous media. *Science China Chemistry*, **2014**, 57, 1257-1263 7.9 19
- 156 A highly selective and sensitive fluorescence "turn-on" fluoride ion sensor. *RSC Advances*, **2015**, 5, 11786-11790 3.7 19
- 155 A Fluorescent Chemosensor for Dihydrogen Phosphate Ion Based on 2-[2-Hydroxy-4-(diethylamino)phenyl]-1H-imidazo[4,5-b]phenazine-Fe³⁺ Ensemble. *Chinese Journal of Chemistry*, **2014**, 32, 1238-1244 4.9 19
- 154 Pillar[5]arene-based spongy supramolecular polymer gel and its properties in multi-responsiveness, dye sorption, ultrasensitive detection and separation of Fe. *Soft Matter*, **2019**, 15, 3241-3247 3.6 18
- 153 Copillar[5]arene-based supramolecular polymer gel: controlling stimuli-response properties through a novel strategy with surfactant. *RSC Advances*, **2015**, 5, 60273-60278 3.7 18
- 152 A novel pH sensor which could respond to multi-scale pH changes via different fluorescence emissions. *New Journal of Chemistry*, **2016**, 40, 4562-4565 3.6 18
- 151 A carboxylic acid functionalized benzimidazole-based supramolecular gel with multi-stimuli responsive properties. *New Journal of Chemistry*, **2016**, 40, 4940-4944 3.6 18
- 150 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. *Soft Matter*, **2019**, 15, 6753-6758 3.6 18
- 149 A novel bis-component AIE smart gel with high selectivity and sensitivity to detect CN⁻, Fe and HPO₄²⁻. *Soft Matter*, **2019**, 15, 6348-6352 3.6 18
- 148 A Highly Selective Colorimetric Sensor for Cu²⁺ Based on Phenolic Group Biscarbonyl Hydrazone. *Chinese Journal of Chemistry*, **2013**, 31, 271-276 4.9 18
- 147 Multi-stimuli-responsive supramolecular gel constructed by pillar[5]arene-based pseudorotaxanes for efficient detection and separation of multi-analytes in aqueous solution. *Soft Matter*, **2018**, 14, 8529-8536 3.6 18
- 146 A novel histidine-functionalized 1,8-naphthalimide-based fluorescent chemosensor for the selective and sensitive detection of Hg²⁺ in water. *New Journal of Chemistry*, **2017**, 41, 3303-3307 3.6 17
- 145 An easy prepared dual-channel chemosensor for selective and instant detection of fluoride based on double Schiff-base. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2016**, 167, 116-121 4.4 17

144	A silver-induced metal-organic gel based on biscarboxyl-functionalised benzimidazole derivative: stimuli responsive and dye sorption. <i>Supramolecular Chemistry</i> , 2014 , 26, 39-47	1.8	17
143	A highly selective colorimetric sensor for Hg ²⁺ based on a copper (II) complex of thiosemicarbazone in aqueous solutions. <i>Science China Chemistry</i> , 2013 , 56, 923-927	7.9	17
142	A bi-component supramolecular gel for selective fluorescence detection and removal of Hg in water. <i>Soft Matter</i> , 2019 , 15, 9547-9552	3.6	17
141	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> , 2017 , 175, 117-124	4.4	16
140	Tripodal naphthalimide assembled novel AIE supramolecular fluorescent sensor for rapid and selective detection of picric acid. <i>Dyes and Pigments</i> , 2020 , 181, 108563	4.6	16
139	A reversible fluorescent chemosensor for the rapid detection of mercury ions (II) in water with high sensitivity and selectivity. <i>RSC Advances</i> , 2014 , 4, 61320-61323	3.7	16
138	A novel water soluble self-assembled supramolecular sensor based on pillar[5]arene for fluorescent detection CN ⁻ in water. <i>Tetrahedron</i> , 2017 , 73, 5307-5310	2.4	16
137	Supramolecular polymer materials based on pillar[5]arene: Ultrasensitive detection and efficient removal of cyanide. <i>Chinese Chemical Letters</i> , 2020 , 31, 1231-1234	8.1	16
136	A highly selective fluorescent chemosensor for successive detection of Fe ³⁺ and CN ⁻ in pure water. <i>Supramolecular Chemistry</i> , 2017 , 29, 489-496	1.8	15
135	Pillar[5]arene-based fluorescent polymer for selective detection and removal of mercury ions. <i>RSC Advances</i> , 2017 , 7, 47709-47714	3.7	15
134	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> , 2019	8.3	15
133	Competition of Exo-wall π - π and Lone Pair-Interactions: A Viable Approach to Achieve Ultrasensitive Detection and Effective Removal of AsO ₂ ⁻ in Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 5831-5836	8.3	15
132	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> , 2016 , 6, 111928-111933	3.7	15
131	A rapid selective colorimetric and π - π Fluorimetric sensor for detecting Cu ²⁺ ions in aqueous media based on a simple bis-schiff-base derivative. <i>Supramolecular Chemistry</i> , 2015 , 27, 471-477	1.8	15
130	Fluorescent "turn-on" detecting CN ⁻ by nucleophilic addition induced Schiff-base hydrolysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 141, 113-8	4.4	15
129	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> , 2018 , 42, 1271-1275	3.6	15
128	Acylhydrazone functionalized benzimidazole-based metallogel for the efficient detection and separation of Cr. <i>Soft Matter</i> , 2018 , 14, 8390-8394	3.6	15
127	A bis-naphthalimide functionalized pillar[5]arene-based supramolecular gel acts as a multi-stimuli-responsive material. <i>New Journal of Chemistry</i> , 2018 , 42, 16167-16173	3.6	15

- 126 A novel water soluble chemosensor based on carboxyl functionalized NDI derivatives for selective detection and facile removal of mercury(II). *RSC Advances*, **2017**, 7, 11206-11210 3.7 14
- 125 Colorimetric and fluorescent chemosensor for highly selective and sensitive relay detection of Cu and HPO in aqueous media. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2017**, 182, 67-72 4.4 14
- 124 A novel AIE-based supramolecular polymer gel serves as an ultrasensitive detection and efficient separation material for multiple heavy metal ions. *Soft Matter*, **2019**, 15, 6878-6884 3.6 14
- 123 A water-soluble pillar[5]arene-based chemosensor for highly selective and sensitive fluorescence detection of L-methionine. *RSC Advances*, **2017**, 7, 34411-34414 3.7 14
- 122 Synthesis of Copillar[5]arene by Co-oligomerization of Different Monomers and Its Application to Supramolecular Polymer Gel. *Chinese Journal of Chemistry*, **2015**, 33, 373-378 4.9 14
- 121 A Novel Highly Selective "Turn-On" Fluorescence Sensor for Silver Ions Based on Schiff Base. *Chinese Journal of Chemistry*, **2014**, 32, 1255-1258 4.9 14
- 120 Tri-pillar[5]arene-Based Multifunctional Stimuli-Responsive Supramolecular Polymer Network with Conductivity, Aggregation-Induced Emission, Thermochromism, Fluorescence Sensing, and Separation Properties. *Macromolecules*, **2021**, 54, 373-383 5.5 14
- 119 Transparency and AIE tunable supramolecular polymer hydrogel acts as TEA-HCl vapor controlled smart optical material. *Soft Matter*, **2020**, 16, 5734-5739 3.6 14
- 118 A self-assembled supramolecular gel constructed by phenazine derivative and its application in ultrasensitive detection of cyanide. *Dyes and Pigments*, **2020**, 174, 108066 4.6 14
- 117 Novel 2-(hydroxy)-naphthyl imino functionalized pillar[5]arene: a highly efficient supramolecular sensor for tandem fluorescence detection of Fe³⁺ and F⁻ and the facile separation of Fe³⁺. *New Journal of Chemistry*, **2018**, 42, 11548-11554 3.6 14
- 116 The construction of electrochemical chiral interfaces using hydroxypropyl chitosan. *RSC Advances*, **2017**, 7, 8542-8549 3.7 13
- 115 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. *New Journal of Chemistry*, **2018**, 42, 14766-14771 3.6 13
- 114 Turn-on fluorescence sensing of cyanide ions in aqueous solution. *Chinese Chemical Letters*, **2014**, 25, 35-38 8.1 13
- 113 Ratiometric fluorescent sensor based oxazolo-phenazine derivatives for detect hypochlorite via oxidation reaction and its application in environmental samples. *Dyes and Pigments*, **2020**, 172, 107765 4.6 13
- 112 Highly selective Fe and F/HPO sensor based on a water-soluble cationic pillar[5]arene with aggregation-induced emission characteristic. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2019**, 221, 117215 4.4 12
- 111 Novel cyanide supramolecular fluorescent chemosensor constructed from a quinoline hydrazone functionalized-pillar[5]arene. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2019**, 220, 117136 4.4 12
- 110 A novel strong AIE bi-component hydrogel as a multi-functional supramolecular fluorescent material. *Dyes and Pigments*, **2019**, 171, 107745 4.6 12
- 109 An easy prepared double naphthalene Schiff-base for highly selective sensing of cyanide via the dipolymer in aqueous solution. *Supramolecular Chemistry*, **2014**, 26, 403-408 1.8 12

108	A benzimidazole functionalized NDI derivative for recyclable fluorescent detection of cyanide in water. <i>RSC Advances</i> , 2017 , 7, 38458-38462	3.7	12
107	Novel tripodal-pillar[5]arene-based chemical sensor for efficient detection and removal paraquat by synergistic effect. <i>Sensors and Actuators B: Chemical</i> , 2021 , 327, 128885	8.5	12
106	A simple pincer-type chemosensor for reversible fluorescence turn-on detection of zinc ion at physiological pH range. <i>New Journal of Chemistry</i> , 2015 , 39, 4162-4167	3.6	11
105	A green synthesis of a simple chemosensor that could instantly detect cyanide with high selectivity in aqueous solution. <i>Chinese Chemical Letters</i> , 2013 , 24, 699-702	8.1	11
104	A novel self-assembled supramolecular sensor based on thiophene-functionalized imidazophenazine for dual-channel detection of Ag ⁺ in an aqueous solution. <i>RSC Advances</i> , 2017 , 7, 53439-53444	3.7	11
103	Nitrophenylfuran-benzimidazole-based reversible alkaline fluorescence switch accurately controlled by pH. <i>Sensors and Actuators B: Chemical</i> , 2015 , 219, 38-42	8.5	11
102	Novel smart supramolecular metallo-hydrogel that could selectively recognize and effectively remove Pb ²⁺ in aqueous solution. <i>Science China Chemistry</i> , 2012 , 55, 2554-2561	7.9	11
101	Novel Hydrazone-Based Tripodal Sensors: Single Selective Colorimetric Chemosensor for Acetate in Aqueous Solution. <i>Chinese Journal of Chemistry</i> , 2011 , 29, 1529-1534	4.9	11
100	Synthesis and crystal structure of bis{(Echloro)-chloro-[N-benzoyl-N'-(2-hydroxyethyl)thiourea]mercury(II)}. <i>Journal of Coordination Chemistry</i> , 2005 , 58, 1675-1679	1.6	11
99	-(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> , 2020 , 124, 9811-9817	2.8	11
98	Novel Fluorescent Chemosensor for Detection of F ⁻ Anions Based on a Single Functionalized Pillar[5]arene Iron(III) Complex. <i>Chinese Journal of Chemistry</i> , 2016 , 34, 1263-1267	4.9	11
97	A highly selective colorimetric and Off-On fluorescence sensor for CN ⁻ based on Zn(salphenazine) complex. <i>Science China Chemistry</i> , 2017 , 60, 754-760	7.9	10
96	An azine-containing bispillar[5]arene-based multi-stimuli responsive supramolecular pseudopolyrotaxane gel for effective adsorption of rhodamine B. <i>Soft Matter</i> , 2019 , 15, 6836-6841	3.6	10
95	Novel fluorescent cyanide-selective chemosensor based on a functionalised pillar[5]arene copper(II) complex. <i>Supramolecular Chemistry</i> , 2017 , 29, 411-416	1.8	10
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