

# Tai-Bao Wei

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

233  
papers

4,901  
citations

36  
h-index

57  
g-index

240  
ext. papers

5,651  
ext. citations

4.3  
avg, IF

5.96  
L-index

#	Paper	IF	Citations
233	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
232	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
231	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
230	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	
229	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
228	Design and Fabricating biogenic amine-responsive platform based on self-assembly property of phenazine derivative for visual monitoring of meat spoilage. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 333, 129430	8.5	0
227	Investigation of the assembly mechanism of N1, N4-di (pyridin-4-yl) terephthalamide with pillar[5]arene: Experiment and quantum chemical study. <i>Chemical Physics Letters</i> , <b>2021</b> , 772, 138533	2.5	1
226	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
225	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
224	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
223	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
222	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
221	Pillararene-based AIEgens: research progress and appealing applications. <i>Chemical Communications</i> , <b>2021</b> , 57, 284-301	5.8	29
220	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
219	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
218	Pillararenes: fascinating planar chiral macrocyclic arenes. <i>Chemical Communications</i> , <b>2021</b> , 57, 9029-9039	5.8	9
217	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

216	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
215	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
214	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
213	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
212	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
211	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
210	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
209	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
208	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
207	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
206	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
205	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
204	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
203	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
202	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
201	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
200	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
199	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

198	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
197	Competition of Exo-wall $\pi$ -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
196	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
195	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
194	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
193	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
192	A self-assembled supramolecular gel constructed by phenazine derivative and its application in ultrasensitive detection of cyanide. <i>Dyes and Pigments</i> , <b>2020</b> , 174, 108066	4.6	14
191	A fluorescent supramolecular gel and its application in the ultrasensitive detection of CN <sup>-</sup> by anion- $\pi$ Interactions. <i>Soft Matter</i> , <b>2020</b> , 16, 9876-9881	3.6	7
190	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
189	A rhodamine-based dual chemosensor for the naked-eye detection of Hg and enhancement of the fluorescence emission for Fe. <i>Photochemical and Photobiological Sciences</i> , <b>2020</b> , 19, 1690-1696	4.2	9
188	Research progress of redox-responsive supramolecular gel. <i>Supramolecular Chemistry</i> , <b>2020</b> , 32, 578-596	1.8	5
187	-(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
186	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
185	Tailoring an HSO <sup>-</sup> anion hybrid receptor based on a phenazine derivative. <i>Photochemical and Photobiological Sciences</i> , <b>2020</b> , 19, 1373-1381	4.2	2
184	Phenazine derivatives for optical sensing: a review. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 11308-11339	7.1	20
183	Highly sensitive detection of mercury(II) and silver(I) ions in aqueous solution via a chromene-functionalized imidazophenazine derivative. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2020</b> , 402, 112814	4.7	6
182	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
181	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

180	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
179	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
178	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
177	A tripodal supramolecular sensor to successively detect picric acid and CN <sup>-</sup> through guest competitive controlled AIE. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 2030-2036	3.6	23
176	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
175	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
174	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
173	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
172	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
171	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
170	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
169	A novel fluorescent sensor based on 4-(diethylamino)-2-(hydroxy)-phenyl imine functionalized naphthalimide for highly selective and sensitive detection of CN <sup>-</sup> and Fe <sup>3+</sup> . <i>Canadian Journal of Chemistry</i> , <b>2019</b> , 97, 597-602	0.9	3
168	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
167	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
166	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
165	A novel pillar[5]arene-based chemosensor for dual-channel detecting L-Arg by multiple supramolecular interactions. <i>Dyes and Pigments</i> , <b>2019</b> , 171, 107706	4.6	19
164	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. <i>Dyes and Pigments</i> , <b>2019</b> , 171, 107707	4.6	22
163	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

162	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
161	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
160	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
159	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
158	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
157	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
156	Research Progress of Cyanide Sensors in Different Medium. <i>Chinese Journal of Organic Chemistry</i> , <b>2019</b> , 39, 1226	3	5
155	Anion induced supramolecular polymerization: a novel approach for the ultrasensitive detection and separation of F. <i>Chemical Communications</i> , <b>2019</b> , 55, 3247-3250	5.8	60
154	Forming a water-soluble supramolecular polymer and an AIEE hydrogel: two novel approaches for highly sensitive detection and efficient adsorption of aldehydes. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 6489-6494	4.9	21
153	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
152	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
151	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
150	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
149	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
148	Competition of cation-π and exo-wall π-π interactions: a novel approach to achieve ultrasensitive response. <i>Chemical Communications</i> , <b>2018</b> , 54, 4549-4552	5.8	70
147	A novel pillar[5]arene-based supramolecular organic framework gel to achieve an ultrasensitive response by introducing the competition of cation-π and π-π interactions. <i>Soft Matter</i> , <b>2018</b> , 14, 3624-3631	3.6	21
146	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
145	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

144	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
143	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
142	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
141	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
140	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
139	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
138	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> , <b>2018</b> , 9, 5370-5376	4.9	22
137	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
136	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
135	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
134	Acylhydrazone 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
133	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	8.2	37
132	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
131	Novel 2-(hydroxy)-naphthyl imino functionalized pillar[5]arene: a highly efficient supramolecular sensor for tandem fluorescence detection of Fe <sup>3+</sup> and F <sup>-</sup> and the facile separation of Fe <sup>3+</sup> . <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 11548-11554	3.6	14
130	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
129	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
128	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
127	A reversible colourimetric and selective fluorescent chemosensor for the cascade recognition of Cu <sup>2+</sup> and H <sub>2</sub> PO <sub>4</sub> <sup>-</sup> in aqueous solution. <i>Supramolecular Chemistry</i> , <b>2017</b> , 29, 153-159	1.8	6

126	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> , <b>2017</b> , 41, 2148-2153	3.6	21
125	The construction of electrochemical chiral interfaces using hydroxypropyl chitosan. <i>RSC Advances</i> , <b>2017</b> , 7, 8542-8549	3.7	13
124	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
123	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
122	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
121	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
120	A novel imidazophenazine-based metallo gel act as reversible H <sub>2</sub> PO <sub>4</sub> <sup>3-</sup> sensor and rewritable fluorescent display material. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 251, 250-255	8.5	27
119	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
118	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
117	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
116	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
115	A highly selective fluorescent chemosensor for successive detection of Fe <sup>3+</sup> and CN <sup>-</sup> in pure water. <i>Supramolecular Chemistry</i> , <b>2017</b> , 29, 489-496	1.8	15
114	A new unsymmetrical azine derivative based on coumarin group as dual-modal sensor for CN <sup>-</sup> and fluorescent "OFF-ON" for Zn. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2017</b> , 175, 125-133	4.4	60
113	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
112	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
111	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
110	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> , <b>2017</b> , 13, 7085-7089	3.6	73
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107	Novel multi-analyte responsive ionic supramolecular gels based on pyridinium functionalized-naphthalimide. <i>Soft Matter</i> , <b>2017</b> , 13, 7360-7364	3.6	24
106	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
105	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
104	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
103	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
102	Pillararene-based fluorescent chemosensors: recent advances and perspectives. <i>Chemical Communications</i> , <b>2017</b> , 53, 13296-13311	5.8	126
101	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
100	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
99	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
98	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
97	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
96	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
95	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. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 242, 849-856	8.5	23
94	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
93	A highly sensitive colorimetric chemodosimeter for cyanide anion by Michael addition based on a coumarin derivative. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 8607-8613	3.6	21
92	A highly selective colorimetric chemosensor for detection of iodide ions in aqueous solution. <i>RSC Advances</i> , <b>2016</b> , 6, 86627-86631	3.7	22
91	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

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89	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
88	A pillar[5]arene-based cyanide sensor bearing on a novel cyanide-induced self-assemble mechanism. <i>Dyes and Pigments</i> , <b>2016</b> , 127, 59-66	4.6	35
87	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
86	A simple Schiff base as naked eye and fluorescent "on/off" sensor for detecting cyanide in mixed aqueous solution. <i>Supramolecular Chemistry</i> , <b>2016</b> , 28, 314-320	1.8	9
85	A novel pH sensor which could respond to multi-scale pH changes via different fluorescence emissions. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 4562-4565	3.6	18
84	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
83	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
82	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
81	A novel functionalized pillar[5]arene for forming a fluorescent switch and a molecular keypad. <i>RSC Advances</i> , <b>2016</b> , 6, 65898-65901	3.7	20
80	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
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78	A turn-on fluorescent sensor for relay recognition of two ions: from a F <sup>-</sup> selective sensor to highly Zn <sup>2+</sup> -selective sensor by tuning electronic effects. <i>RSC Advances</i> , <b>2016</b> , 6, 35804-35808	3.7	21
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69	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
68	A reversible fluorescent chemosensor for iron ions based on 1H-imidazo [4,5-b] phenazine derivative. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 213, 501-507	8.5	46
67	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
66	A highly selective colorimetric and fluorescent chemosensor for fluoride ions and its application as a molecular-scale logic device. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 8797-8801	3.6	21
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64	A novel supramolecular metallo-gel-based high-resolution anion sensor array. <i>Chemical Communications</i> , <b>2015</b> , 51, 1635-8	5.8	179
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