Tai-Bao Wei

List of Publications by Year
in descending order

239 papers	6,365 citations	81839 39 h-index	114418 63 g-index
240 all docs	240 docs citations	240 times ranked	3857 citing authors

#	Article	IF	Citations
1	Rationally introduce multi-competitive binding interactions in supramolecular gels: a simple and efficient approach to develop multi-analyte sensor array. Chemical Science, 2016, 7, 5341-5346.	3.7	288
2	A novel supramolecular metallogel-based high-resolution anion sensor array. Chemical Communications, 2015, 51, 1635-1638.	2.2	217
3	Iodine Controlled Pillar[5]arene-Based Multiresponsive Supramolecular Polymer for Fluorescence Detection of Cyanide, Mercury, and Cysteine. Macromolecules, 2017, 50, 7863-7871.	2.2	186
4	Pillararene-based fluorescent chemosensors: recent advances and perspectives. Chemical Communications, 2017, 53, 13296-13311.	2.2	154
5	1,8-Naphthalimide-based fluorescent chemosensors: recent advances and perspectives. Journal of Materials Chemistry C, 2020, 8, 13501-13529.	2.7	141
6	Pillar[5]areneâ€Based Supramolecular Organic Framework with Multiâ€Guest Detection and Recyclable Separation Properties. Chemistry - A European Journal, 2018, 24, 777-783.	1.7	139
7	A novel smart organogel which could allow a two channel anion response by proton controlled reversible solâ€“gel transition and color changes. Chemical Communications, 2009, , 6074.	2.2	137
8	Highly selective fluorescent sensing for CNâ¯ in water: utilization of the supramolecular self-assembly. Chemical Communications, 2013, 49, 7812.	2.2	134
9	Reactionâ€Based Ratiometric Chemosensor for Instant Detection of Cyanide in Water with High Selectivity and Sensitivity. Chemistry - an Asian Journal, 2013, 8, 3015-3021.	1.7	88
10	Double Metal Ions Competitively Control the Guestâ€Sensing Process: A Facile Approach to Stimuliâ€Responsive Supramolecular Gels. Chemistry - A European Journal, 2014, 20, 11457-11462.	1.7	84
11	A highly selective colorimetric chemosensor for detection of nickel ions in aqueous solution. New Journal of Chemistry, 2014, 38, 1418-1423.	1.4	84
12	A novel supramolecular polymer gel based on naphthalimide functionalized-pillar[5]arene for the fluorescence detection of Hg²⁺and I^{â¯}and recyclable removal of Hg²⁺via cationâ€“Ï€ interactions. Soft Matter, 2017, 13, 7085-7089.	1.2	81
13	Competition of cationâ€“Ï€ and exo-wall Ï€â€“Ï€ interactions: a novel approach to achieve ultrasensitive response. Chemical Communications, 2018, 54, 4549-4552.	2.2	79
14	Anion induced supramolecular polymerization: a novel approach for the ultrasensitive detection and separation of F^{â¯}. Chemical Communications, 2019, 55, 3247-3250.	2.2	77
15	A colorimetric and reversible fluorescent chemosensor for Ag+ in aqueous solution and its application in IMPLICATION logic gate. Sensors and Actuators B: Chemical, 2017, 239, 671-678.	4.0	68
16	A new unsymmetrical azine derivative based on coumarin group as dual-modal sensor for CNâ¯ and fluorescent â€œOFFâ€“ONâ€•for Zn2+. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 175, 125-133.	2.0	67
17	A novel AIE chemosensor based on quinoline functionalized Pillar[5]arene for highly selective and sensitive sequential detection of toxic Hg2+ and CNâ¯. Dyes and Pigments, 2019, 164, 279-286.	2.0	67
18	A novel functionalized pillar[5]arene-based selective amino acid sensor for<scp>l</scp>-tryptophan. Organic Chemistry Frontiers, 2017, 4, 210-213.	2.3	66

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19	Pillararene-based AIEgens: research progress and appealing applications. Chemical Communications, 2021, 57, 284-301.	2.2	65
20	Novel bispillar[5]arene-based AIEgen and itsâ€™ application in mercury(II) detection. Sensors and Actuators B: Chemical, 2018, 272, 139-145.	4.0	63
21	Spongy Materials Based on Supramolecular Polymer Networks for Detection and Separation of Broad-Spectrum Pollutants. ACS Sustainable Chemistry and Engineering, 2019, 7, 14775-14784.	3.2	62
22	A novel strategy for the design of smart supramolecular gels: controlling stimuli-response properties through competitive coordination of two different metal ions. Chemical Communications, 2014, 50, 10669-10671.	2.2	61
23	Pillararenes: fascinating planar chiral macrocyclic arenes. Chemical Communications, 2021, 57, 9029-9039.	2.2	61
24	Pillar[5]arene-based multifunctional supramolecular hydrogel: multistimuli responsiveness, self-healing, fluorescence sensing, and conductivity. Materials Chemistry Frontiers, 2018, 2, 999-1003.	3.2	60
25	Tri-pillar[5]arene-based multi-stimuli-responsive supramolecular polymers for fluorescence detection and separation of Hg²⁺. Polymer Chemistry, 2018, 9, 4625-4630.	1.9	56
26	A highly selective and sensitive chemosensor for instant detection cyanide via different channels in aqueous solution. Tetrahedron, 2014, 70, 1889-1894.	1.0	55
27	A reversible fluorescent chemosensor for iron ions based on 1H-imidazo [4,5-b] phenazine derivative. Sensors and Actuators B: Chemical, 2015, 213, 501-507.	4.0	55
28	Ultrasensitive Detection of Formaldehyde in Gas and Solutions by a Catalyst Preplaced Sensor Based on a Pillar[5]arene Derivative. ACS Sustainable Chemistry and Engineering, 2018, 6, 8775-8781.	3.2	55
29	Copillar[5]arene-based supramolecular polymer gels. Polymer Chemistry, 2014, 5, 4722.	1.9	53
30	Rationally designed anion-responsive-organogels: sensing Fâ^'via reversible color changes in gelâ€“gel states with specific selectivity. Soft Matter, 2014, 10, 5715-5723.	1.2	51
31	A fluorescent and colorimetric chemosensor for dihydrogen phosphate ions based on 2-pyridine-1H-imidazo[4,5-b]phenazineâ€“zinc ensemble. Sensors and Actuators B: Chemical, 2014, 190, 555-561.	4.0	48
32	A colorimetric and fluorescent cyanide chemosensor based on dicyanovinyl derivatives: Utilization of the mechanism of intramolecular charge transfer blocking. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 1047-1051.	2.0	48
33	A rational designed fluorescent and colorimetric dual-channel sensor for cyanide anion based on the PET effect in aqueous medium. Sensors and Actuators B: Chemical, 2017, 241, 430-437.	4.0	48
34	Competitive coordination control of the AIE and micro states of supramolecular gel: an efficient approach for reversible dual-channel stimuli-response materials. Soft Matter, 2014, 10, 8427-8432.	1.2	46
35	Supramolecular Aggregation-Induced Emission Gels Based on Pillar[5]arene for Ultrasensitive Detection and Separation of Multianalytes. ACS Sustainable Chemistry and Engineering, 2018, 6, 16597-16606.	3.2	46
36	Novel pillar[5]arene-based supramolecular organic framework gel for ultrasensitive response Fe3+ and Fâ^' in water. Materials Science and Engineering C, 2019, 100, 62-69.	3.8	45

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37	A reversible fluorescent chemosensor for mercury ions based onÂ1H-imidazo[4,5-b]phenazine derivatives. Tetrahedron, 2013, 69, 7981-7987.	1.0	41
38	A highly selective fluorescent chemosensor for iron ion based on 1H-imidazo [4,5-b] phenazine derivative. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 121, 514-519.	2.0	40
39	A pillar[5]arene-based cyanide sensor bearing on a novel cyanide-induced self-assemble mechanism. Dyes and Pigments, 2016, 127, 59-66.	2.0	40
40	Construction of stimuli-responsive supramolecular gel via bispillar[5]arene-based multiple interactions. Polymer Chemistry, 2017, 8, 2005-2009.	1.9	40
41	A â€œketoâ€“enol tautomerizationâ€•based response mechanism: a novel approach to stimuli-responsive supramolecular gel. Chemical Communications, 2015, 51, 12224-12227.	2.2	39
42	A pillar[5]arene-based multiple-stimuli responsive metalâ€“organic gel was constructed for facile removal of mercury ions. Soft Matter, 2017, 13, 5214-5218.	1.2	39
43	A highly selective dual-channel Hg2+ chemosensor based on an easy to prepare double naphthalene Schiff base. Science China Chemistry, 2013, 56, 612-618.	4.2	38
44	An easy-to-make strong white AIE supramolecular polymer as a colour tunable photoluminescence material. Journal of Materials Chemistry C, 2018, 6, 13331-13335.	2.7	38
45	Novel functionalized pillar[5]arene: synthesis, assembly and application in sequential fluorescent sensing for Fe³⁺ and F^{â^'} in aqueous media. RSC Advances, 2016, 6, 20987-20993.	1.7	37
46	Phenazine derivatives for optical sensing: a review. Journal of Materials Chemistry C, 2020, 8, 11308-11339.	2.7	37
47	A recyclable probe for highly selective and sensitive detection of cyanide anion in aqueous medium by fluorescent and colorimetric changes. Sensors and Actuators B: Chemical, 2016, 232, 115-124.	4.0	36
48	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.	2.2	36
49	A novel imidazophenazine-based metallogel act as reversible H2PO4â^' sensor and rewritable fluorescent display material. Sensors and Actuators B: Chemical, 2017, 251, 250-255.	4.0	35
50	A novel supramolecular AIE gel acts as a multi-analyte sensor array. New Journal of Chemistry, 2018, 42, 18059-18065.	1.4	35
51	A tripodal supramolecular sensor to successively detect picric acid and CN^{â^'} through guest competitive controlled AIE. New Journal of Chemistry, 2019, 43, 2030-2036.	1.4	34
52	A novel supramolecular polymer Ï€-gel based on bis-naphthalimide functionalized-pillar[5]arene for fluorescence detection and separation of aromatic acid isomers. Polymer Chemistry, 2019, 10, 253-259.	1.9	34
53	A simple chemosensor for the dual-channel detection of cyanide in water with high selectivity and sensitivity. RSC Advances, 2016, 6, 27130-27135.	1.7	33
54	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. Soft Matter, 2019, 15, 999-1004.	1.2	33

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55	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.	2.0	33
56	A simple water-soluble phenazine dye for colorimetric/ fluorogenic dual-mode detection and removal of Cu2+ in natural water and plant samples. Dyes and Pigments, 2019, 171, 107707.	2.0	31
57	Multi-stimuli responsive metal-organic gel of benzimidazol-based ligands with lead nitrate and their use in removal of dyes from waste-water. Chinese Chemical Letters, 2013, 24, 703-706.	4.8	30
58	A turn-on fluorescent chemosensor selectively detects cyanide in pure water and food sample. Tetrahedron Letters, 2016, 57, 2767-2771.	0.7	30
59	â€œCascade recognitionâ€•of Cu2+ and H2PO4â^' with high sensitivity and selectivity in aqueous media based on the effect of ESIPT. Sensors and Actuators B: Chemical, 2017, 242, 849-856.	4.0	30
60	Supramolecular polymer materials based on pillar[5]arene: Ultrasensitive detection and efficient removal of cyanide. Chinese Chemical Letters, 2020, 31, 1231-1234.	4.8	30
61	A novel supramolecular organogel based on acylhydrazone functionalized pillar[5]arene acts as an I^{â^'} responsive smart material. Soft Matter, 2017, 13, 7222-7226.	1.2	30
62	A simple Michael acceptor type quinoline derivative for highly selective sequential recognition of CN^{â^'} and Cu²⁺ in aqueous solution. RSC Advances, 2015, 5, 49953-49957.	1.7	29
63	A dual-channel chemosensor could successively detect CN^{â^'} and HSO₄^{â^'} in an aqueous solution and act as a keypad lock. RSC Advances, 2016, 6, 43832-43837.	1.7	28
64	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.	1.9	28
65	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.	1.9	28
66	Tripodal naphthalimide assembled novel AIE supramolecular fluorescent sensor for rapid and selective detection of picric acid. Dyes and Pigments, 2020, 181, 108563.	2.0	28
67	Novel tripodal-pillar[5]arene-based chemical sensor for efficient detection and removal paraquat by synergistic effect. Sensors and Actuators B: Chemical, 2021, 327, 128885.	4.0	28
68	A highly sensitive colorimetric chemodosimeter for cyanide anion by Michael addition based on a coumarin derivative. New Journal of Chemistry, 2016, 40, 8607-8613.	1.4	27
69	A highly selective colorimetric chemosensor for detection of iodide ions in aqueous solution. RSC Advances, 2016, 6, 86627-86631.	1.7	27
70	A highly selective PET-based chemosensor for instant detecting of Zn²⁺. RSC Advances, 2014, 4, 35797.	1.7	26
71	Rationally designed supramolecular organogel dual-channel sense Fâ^'Âunder gelâ€“gel states via ion-controlled AIE. Dyes and Pigments, 2015, 113, 748-753.	2.0	26
72	A turn-on fluorescent sensor for relay recognition of two ions: from a F^{â^'}-selective sensor to highly Zn²⁺-selective sensor by tuning electronic effects. RSC Advances, 2016, 6, 35804-35808.	1.7	26

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73	Colorimetric and fluorescent chemosensor for highly selective and sensitive relay detection of Cu2+ and H2PO4â˜ in aqueous media. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 182, 67-72.	2.0	26
74	A novel pillar[5]arene-based supramolecular organic framework gel to achieve an ultrasensitive response by introducing the competition of cationâ‹¯Ï€ and Ï€â‹¯Ï€ interactions. Soft Matter, 2018, 14, 3624-3631.	1.2	26
75	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. New Journal of Chemistry, 2013, 37, 3737.	1.4	25
76	A copillar[5]arene-based fluorescence â€œonâ€“offâ€“onâ€•sensor is applied in sequential recognition of an iron cation and a fluoride anion. New Journal of Chemistry, 2017, 41, 2148-2153.	1.4	25
77	Novel multi-analyte responsive ionic supramolecular gels based on pyridinium functionalized-naphthalimide. Soft Matter, 2017, 13, 7360-7364.	1.2	25
78	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.	1.2	25
79	Phenazine-based colorimetric and fluorescent sensor for the selective detection of cyanides based on supramolecular self-assembly in aqueous solution. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 175, 117-124.	2.0	24
80	A novel bis-component AIE smart gel with high selectivity and sensitivity to detect CN^{â˜}, Fe³⁺ and H₂PO₄^{â˜}. Soft Matter, 2019, 15, 6348-6352.	1.2	24
81	Lanthanide-Mediated Cyclodextrin-Based Supramolecular Assembly-Induced Emission Xerogel Films: A Transparent Multicolor Photoluminescent Material. ACS Sustainable Chemistry and Engineering, 2020, 8, 13048-13055.	3.2	24
82	Selective Chemosensor of Fe³⁺ Based on Fluorescence Quenching by 2,2â€²â€Bisbenzimidazole Derivative in Aqueous Media. Chinese Journal of Chemistry, 2013, 31, 515-519.	2.6	23
83	A cationic water-soluble pillar[5]arene: synthesis and hostâ€“guest complexation with long linear acids. RSC Advances, 2015, 5, 4958-4963.	1.7	23
84	A novel pH sensor which could respond to multi-scale pH changes via different fluorescence emissions. New Journal of Chemistry, 2016, 40, 4562-4565.	1.4	23
85	The construction of electrochemical chiral interfaces using hydroxypropyl chitosan. RSC Advances, 2017, 7, 8542-8549.	1.7	23
86	Pillar[5]arene-based fluorescent polymer for selective detection and removal of mercury ions. RSC Advances, 2017, 7, 47709-47714.	1.7	23
87	Influence of Monomersâ€™ Structure on the Assembly and Material Property of Pillar[5]<scp>areneâ€Based</scp> Supramolecular Polymer Gels. Chinese Journal of Chemistry, 2021, 39, 3421-3428.	2.6	23
88	A reversible fluorescent chemosensor for Fe3+ and H2PO4 â˜ with â€œon-off-onâ€•switching in aqueous media. Science China Chemistry, 2014, 57, 1257-1263.	4.2	22
89	A highly selective colorimetric and â€œOffâ€“Onâ€•fluorescent chemosensor for fluoride ions and its application as a molecular-scale logic device. New Journal of Chemistry, 2015, 39, 8797-8801.	1.4	22
90	Acylhydrazone functionalized benzimidazole-based metallogel for the efficient detection and separation of Cr³⁺. Soft Matter, 2018, 14, 8390-8394.	1.2	22

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91	A novel pillar[5]arene-based chemosensor for dual-channel detecting L-Arg by multiple supramolecular interactions. Dyes and Pigments, 2019, 171, 107706.	2.0	22
92	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.	1.2	22
93	A bi-component supramolecular gel for selective fluorescence detection and removal of Hg²⁺ in water. Soft Matter, 2019, 15, 9547-9552.	1.2	22
94	Transparency and AIE tunable supramolecular polymer hydrogel acts as TEAâ€“HCl vapor controlled smart optical material. Soft Matter, 2020, 16, 5734-5739.	1.2	22
95	A Highly Selective Colorimetric Sensor for Cu²⁺ Based on Phenolic Group Biscarbonyl Hydrazone. Chinese Journal of Chemistry, 2013, 31, 271-276.	2.6	21
96	A highly selective and sensitive fluorescence â€œturn-onâ€•fluoride ion sensor. RSC Advances, 2015, 5, 11786-11790.	1.7	21
97	A novel functionalized pillar[5]arene for forming a fluorescent switch and a molecular keypad. RSC Advances, 2016, 6, 65898-65901.	1.7	21
98	A carboxylic acid functionalized benzimidazole-based supramolecular gel with multi-stimuli responsive properties. New Journal of Chemistry, 2016, 40, 4940-4944.	1.4	21
99	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.	1.4	21
100	Pillar[5]arene-based spongy supramolecular polymer gel and its properties in multi-responsiveness, dye sorption, ultrasensitive detection and separation of Fe3+. Soft Matter, 2019, 15, 3241-3247.	1.2	21
101	Competition of Exo-wall Ï€â€“Ï€ and Lone Pairâ‹¯Ï€ Interactions: A Viable Approach to Achieve Ultrasensitive Detection and Effective Removal of AsO₂^{â€“} in Water. ACS Sustainable Chemistry and Engineering, 2020, 8, 5831-5836.	3.2	21
102	A novel fluorescent chemosensor based on naphthofuran functionalized naphthalimide for highly selective and sensitive detecting Hg2+ and CNâ¯. Journal of Luminescence, 2022, 244, 118722.	1.5	21
103	A highly selective colorimetric sensor for Hg2+ based on a copper (II) complex of thiosemicarbazone in aqueous solutions. Science China Chemistry, 2013, 56, 923-927.	4.2	20
104	A Fluorescent Chemosensor for Dihydrogen Phosphate Ion Based on 2â€[2â€Hydroxyâ€4â€(diethylamino) phenyl]â€1 Hâ€imidazo[4,5â€b]phenazineâ€Fe³⁺ Ensemble. Chinese Journal of Chemistry, 2014, 32, 1238-1244.	2.6	20
105	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.	2.0	20
106	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.	1.2	20
107	Highly selective Fe3+ and Fâ¯/H2PO4â¯ 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.	2.0	20
108	N-(2-Aminoethyl)-2-(hexylthio) Acetamide-Functionalized Pillar[5]arene for the Selective Detection of <scp>l</scp>-Trp through Guest-Adaptive Multisupramolecular Interactions. Journal of Physical Chemistry A, 2020, 124, 9811-9817.	1.1	20

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109	Stimuli-responsive supramolecular hydrogel with white AIE effect for ultrasensitive detection of Fe3+ and as rewritable fluorescent materials. Dyes and Pigments, 2021, 184, 108875.	2.0	20
110	A reversible fluorescent chemosensor for the rapid detection of mercury ions (<scp>ii</scp>) in water with high sensitivity and selectivity. RSC Advances, 2014, 4, 61320-61323.	1.7	19
111	Colorimetric probes designed to provide high sensitivity and single selectivity for CNâ¯ in aqueous solution. New Journal of Chemistry, 2015, 39, 7206-7210.	1.4	19
112	A novel water soluble self-assembled supramolecular sensor based on pillar[5]arene for fluorescent detection CNâ¯ in water. Tetrahedron, 2017, 73, 5307-5310.	1.0	19
113	A water-soluble pillar[5]arene-based chemosensor for highly selective and sensitive fluorescence detection of<scp>l</scp>-methionine. RSC Advances, 2017, 7, 34411-34414.	1.7	19
114	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.	2.0	19
115	A self-assembled supramolecular gel constructed by phenazine derivative and its application in ultrasensitive detection of cyanide. Dyes and Pigments, 2020, 174, 108066.	2.0	19
116	A silver-induced metal-organic gel based on biscarboxyl-functionalised benzimidazole derivative: stimuli responsive and dye sorption. Supramolecular Chemistry, 2014, 26, 39-47.	1.5	18
117	Synthesis of Copillar[5]arene by Coâ€oligomerization of Different Monomers and Its Application to Supramolecular Polymer Gel. Chinese Journal of Chemistry, 2015, 33, 373-378.	2.6	18
118	Copillar[5]arene-based supramolecular polymer gel: controlling stimuliâ€“response properties through a novel strategy with surfactant. RSC Advances, 2015, 5, 60273-60278.	1.7	18
119	A bis-naphthalimide functionalized pillar[5]arene-based supramolecular ï€-gel acts as a multi-stimuli-responsive material. New Journal of Chemistry, 2018, 42, 16167-16173.	1.4	18
120	A novel strong AIE bi-component hydrogel as a multi-functional supramolecular fluorescent material. Dyes and Pigments, 2019, 171, 107745.	2.0	18
121	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. ACS Sustainable Chemistry and Engineering, 0, , .	3.2	18
122	A Novel Highly Selective "Turnâ€On" Fluorescence Sensor for Silver Ions Based on Schiff Base. Chinese Journal of Chemistry, 2014, 32, 1255-1258.	2.6	17
123	A novel water soluble chemosensor based on carboxyl functionalized NDI derivatives for selective detection and facile removal of mercury(<scp>ii</scp>). RSC Advances, 2017, 7, 11206-11210.	1.7	17
124	A highly selective fluorescent chemosensor for successive detection of Fe³⁺and CN^{â¯}in pure water. Supramolecular Chemistry, 2017, 29, 489-496.	1.5	17
125	A cyanide-triggered hydrogen-bond-breaking deprotonation mechanism: fluorescent detection of cyanide using a thioacetohydrazone-functionalized bispillar[5]arene. New Journal of Chemistry, 2018, 42, 1271-1275.	1.4	17
126	A rapid selective colorimetric and â€˜Onâ€“Offâ€™ fluorimetric sensor for detecting Cu2+ ions in aqueous media based on a simple bis-schiff-base derivative. Supramolecular Chemistry, 2015, 27, 471-477.	1.5	16

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127	Fluorescent â€œturn-onâ€•detecting CNâ^' by nucleophilic addition induced Schiff-base hydrolysis. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 141, 113-118.	2.0	16
128	Efficient sensing of fluoride ions in water using a novel water soluble self-assembled supramolecular sensor based on pillar[5]arene. RSC Advances, 2016, 6, 111928-111933.	1.7	16
129	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.	1.4	16
130	A fluorescent supramolecular gel and its application in the ultrasensitive detection of CN^{â^'} by anionâ€“Ï€ interactions. Soft Matter, 2020, 16, 9876-9881.	1.2	16
131	Pillar[5]arene-based supramolecular AIE hydrogel with white light emission for ultrasensitive detection and effective separation of multianalytes. Polymer Chemistry, 2020, 11, 5455-5462.	1.9	16
132	Highly sensitive detection of mercury(II) and silver(I) ions in aqueous solution via a chromene-functionalized imidazophenazine derivative. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 402, 112814.	2.0	16
133	A novel bis-acylhydrazone supramolecular gel and its application in ultrasensitive detection of CNâ^'. Dyes and Pigments, 2021, 186, 108949.	2.0	16
134	Novel smart supramolecular metallo-hydrogel that could selectively recognize and effectively remove Pb2+ in aqueous solution. Science China Chemistry, 2012, 55, 2554-2561.	4.2	15
135	A novel self-assembled supramolecular sensor based on thiophene-functionalized imidazophenazine for dual-channel detection of Ag⁺ in an aqueous solution. RSC Advances, 2017, 7, 53439-53444.	1.7	15
136	Novel 2-(hydroxy)-naphthyl imino functionalized pillar[5]arene: a highly efficient supramolecular sensor for tandem fluorescence detection of Fe³⁺ and F^{â^'} and the facile separation of Fe³⁺. New Journal of Chemistry, 2018, 42, 11548-11554.	1.4	15
137	In situ formation of Hg²⁺-coordinated fluorescent nanoparticles through a supramolecular polymer network used for efficient Hg²⁺ sensing and separation. Nanoscale, 2021, 13, 9172-9176.	2.8	15
138	Turn-on fluorescence sensing of cyanide ions in aqueous solution. Chinese Chemical Letters, 2014, 25, 35-38.	4.8	14
139	A benzimidazole functionalized NDI derivative for recyclable fluorescent detection of cyanide in water. RSC Advances, 2017, 7, 38458-38462.	1.7	14
140	An azine-containing bispillar[5]arene-based multi-stimuli responsive supramolecular pseudopolyrotaxane gel for effective adsorption of rhodamine B. Soft Matter, 2019, 15, 6836-6841.	1.2	14
141	A pillar[5]arene-based and OHâ^' dependent dual-channel supramolecular chemosensor for recyclable CO2 gas detection: High sensitive and selective off-on-off response. Dyes and Pigments, 2020, 174, 108073.	2.0	14
142	A pillar[5]arene-based fluorescent sensor for sensitive detection of L-Met through a dual-site collaborative mechanism. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 240, 118569.	2.0	14
143	A novel pillar[5]arene-based emission enhanced supramolecular sensor for dual-channel selective detection and separation of Hg²⁺. New Journal of Chemistry, 2020, 44, 13157-13162.	1.4	14
144	Linear tri-pillar[5]arene-based acceptor for efficiently separate paraquat from water through collaboration effect. Materials Science and Engineering C, 2021, 118, 111358.	3.8	14

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