Qian-Yong Cao

List of Publications by Year in Descending Order

61 papers	1,769 citations	23 h-index	41 g-index
63 ext. papers	1,930 ext. citations	4.6 avg, IF	4.85 L-index

#	Paper	IF	Citations
61	A new poly(norbornene)-based sensor for fluorescent ratiometric sensing of adenosine 5?-triphosphate. *Dyes and Pigments*, **2022**, 200, 110187	4.6	0
60	Self-assemble nanostructured ensembles for detection of guanosine triphosphate based on receptor structure modulated sensitivity and selectivity. *Sensors and Actuators B: Chemical*, **2022**, 132091	8.5	0
59	Aminoquinoline-anchored polynorbornene for sequential fluorescent sensing of Zn and ATP.. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2021**, 269, 120771	4.4	0
58	Rhodamine-anchored poly(norbornene) for fluorescent sensing of ATP. *Dyes and Pigments*, **2021**, 189, 109245	4.6	6
57	A new imidazolium/sulfonamide linked ferrocene-dansyl dyad for dual-channel recognition of anion. *Inorganica Chimica Acta*, **2021**, 514, 120026	2.7	1
56	Cleft-type imidazoliums for sensing of sulfate and polyphosphate anions with AIE emission. *Dyes and Pigments*, **2020**, 181, 108553	4.6	6
55	AIE based GSH activatable photosensitizer for imaging-guided photodynamic therapy. *Chemical Communications*, **2020**, 56, 10317-10320	5.8	26
54	Fluorescent norbornene for sequential detection of mercury and biothiols. *Dyes and Pigments*, **2020**, 172, 107872	4.6	31
53	A Tetraphenylethylene-Based Aggregation-Induced Emission Probe for Fluorescence Turn-on Detection of Lipopolysaccharide in Injectable Water with Sensitivity Down to Picomolar. *Industrial & Engineering Chemistry Research*, **2020**, 59, 8252-8258	3.9	6
52	A perylenebisimide–tetraphenylethene dyad for sensing of phosphate anions. *Dyes and Pigments*, **2019**, 168, 205-211	4.6	9
51	Linear tetraphenylethene-appended bis-imidazolium salts for sensing of ATP. *Dyes and Pigments*, **2019**, 166, 233-238	4.6	19
50	Nanomolar detection of adenosine triphosphate (ATP) using a nanostructured fluorescent chemosensing ensemble. *Chemical Communications*, **2019**, 55, 14135-14138	5.8	10
49	Facile fabrication of organic dyed polymer nanoparticles with aggregation-induced emission using an ultrasound-assisted multicomponent reaction and their biological imaging. *Journal of Colloid and Interface Science*, **2018**, 519, 137-144	9.3	58
48	A hydroxyquinoline-base nanoprobe for fluorescent sensing of Hg2+ ion in aqueous solution. *Inorganica Chimica Acta*, **2018**, 474, 128-133	2.7	14
47	Ultrafast construction and biological imaging applications of AIE-active sodium alginate-based fluorescent polymeric nanoparticles through a one-pot microwave-assisted Döbner reaction. *Dyes and Pigments*, **2018**, 153, 99-105	4.6	32
46	Fabrication of AIE-active fluorescent polymeric nanoparticles with red emission through a facile catalyst-free amino-yne click polymerization. *Dyes and Pigments*, **2018**, 151, 123-129	4.6	19
45	Facile construction and biological imaging of cross-linked fluorescent organic nanoparticles with aggregation-induced emission feature through a catalyst-free azide-alkyne click reaction. *Dyes and Pigments*, **2018**, 148, 52-60	4.6	92

44	Synthesis of fluorescent dendrimers with aggregation-induced emission features through a one-pot multi-component reaction and their utilization for biological imaging. *Journal of Colloid and Interface Science*, **2018**, 509, 327-333	9.3	9
43	An amphiphilic pyrene-based probe for multiple channel sensing of mercury ions. *Journal of Luminescence*, **2018**, 203, 189-194	3.8	15
42	AIE-active self-assemblies from a catalyst-free thiol-yne click reaction and their utilization for biological imaging. *Materials Science and Engineering C*, **2018**, 92, 61-68	8.3	12
41	A new ferrocenophane with amide and triazole donors for recognition of dihydrogenphosphate anion. *Journal of Organometallic Chemistry*, **2018**, 871, 74-78	2.3	6
40	Multifunctional Fluorescent Nanoprobe for Sequential Detections of Hg Ions and Biothiols in Live Cells.. *ACS Applied Bio Materials*, **2018**, 1, 871-878	4.1	23
39	Ultrafast microwave-assisted multicomponent tandem polymerization for rapid fabrication of AIE-active fluorescent polymeric nanoparticles and their potential utilization for biological imaging. *Materials Science and Engineering C*, **2018**, 83, 115-120	8.3	19
38	A novel self-catalyzed photoATRP strategy for preparation of fluorescent hydroxyapatite nanoparticles and their biological imaging. *Applied Surface Science*, **2018**, 434, 1129-1136	6.7	6
37	New ferrocene-pyrene dyads bearing amide/thiourea hybrid donors for anion recognition. *Inorganica Chimica Acta*, **2018**, 483, 425-430	2.7	14
36	A pyrenyl-appended organogel for fluorescence sensing of anions. *Dyes and Pigments*, **2017**, 139, 681-687	4.6	30
35	Preparation of AIE-active fluorescent polymeric nanoparticles through a catalyst-free thiol-yne click reaction for bioimaging applications. *Materials Science and Engineering C*, **2017**, 80, 411-416	8.3	120
34	Pyrophosphate-triggered nanoaggregates with aggregation-induced emission. *Sensors and Actuators B: Chemical*, **2017**, 251, 617-623	8.5	19
33	A self-assembled amphiphilic imidazolium-based ATP probe. *Chemical Communications*, **2017**, 53, 4342-4345	5.8	44
32	Fluorescent triazolium for sensing fluoride anions in semi-aqueous solution. *RSC Advances*, **2017**, 7, 43950-43956	3.9	16
31	Facile fabrication of luminescent polymeric nanoparticles containing dynamic linkages via a one-pot multicomponent reaction: Synthesis, aggregation-induced emission and biological imaging. *Materials Science and Engineering C*, **2017**, 80, 708-714	8.3	124
30	A facile one-pot Mannich reaction for the construction of fluorescent polymeric nanoparticles with aggregation-induced emission feature and their biological imaging. *Materials Science and Engineering C*, **2017**, 81, 416-421	8.3	144
29	Fabrication of multifunctional fluorescent organic nanoparticles with AIE feature through photo-initiated RAFT polymerization. *Polymer Chemistry*, **2017**, 8, 7390-7399	4.9	21
28	Microwave-assisted multicomponent reactions for rapid synthesis of AIE-active fluorescent polymeric nanoparticles by post-polymerization method. *Materials Science and Engineering C*, **2017**, 80, 578-583	8.3	133
27	Ferrocene-containing macrocyclic triazoles for the electrochemical sensing of dihydrogen phosphate anion. *Inorganica Chimica Acta*, **2016**, 449, 31-37	2.7	17

26	A new ferrocene–anthracene dyad for dual-signaling sensing of Cu(II) and Hg(II). *Journal of Photochemistry and Photobiology A: Chemistry*, **2016**, 315, 67-75	4.7	37
25	A Pyrene-functionalized Polynorbornene for Ratiometric Fluorescence Sensing of Pyrophosphate. *Chemistry - an Asian Journal*, **2016**, 11, 687-90	4.5	24
24	Amide-Triazolium-Appended Anthracenes for Turn-On Fluorescence Sensing of Anions in Noncompetitive and Competitive Solvents. *ChemPlusChem*, **2016**, 81, 406-413	2.8	7
23	A new click-derived tripodal receptor for fluorescence recognition of Ni2+ in aqueous solution. *Inorganica Chimica Acta*, **2016**, 451, 111-115	2.7	2
22	Quinoline-functionalized norbornene for fluorescence recognition of metal ions. *Journal of Photochemistry and Photobiology A: Chemistry*, **2015**, 305, 11-18	4.7	8
21	Pyrenyl-functionalized ferrocenes for multisignaling recognition of anions. *New Journal of Chemistry*, **2015**, 39, 8087-8092	3.6	17
20	A novel polynorbornene-based chemosensor for the fluorescence sensing of Zn2+ and Cd2+ and subsequent detection of pyrophosphate in aqueous solutions. *Dalton Transactions*, **2015**, 44, 7470-6	4.3	58
19	A new ferrocene–anthracene dyad bearing amide and triazolium donors for dual-signaling sensing to anions. *Tetrahedron Letters*, **2014**, 55, 248-251	2	25
18	A new naphthalene-containing triazolophane for fluorescence sensing of mercury(II) ion. *Inorganica Chimica Acta*, **2014**, 423, 163-167	2.7	16
17	New 2,2?:6?,2??-terpyridines as colorimetric and fluorescent sensors for fluoride ions. *RSC Advances*, **2014**, 4, 4041-4046	3.7	24
16	A new dinuclear ferrocene with amide–thiourea binding sites for dual electrochemical sensing to Hg(II) and anions. *Inorganica Chimica Acta*, **2014**, 419, 147-151	2.7	9
15	Violet-blue- or pure-blue-emitting triphenylamine derivatives: synthesis and properties. *Canadian Journal of Chemistry*, **2013**, 91, 1043-1047	0.9	
14	A new pyrenyl-appended triazole for fluorescent recognition of Hg2+ ion in aqueous solution. *Dyes and Pigments*, **2013**, 99, 798-802	4.6	27
13	A novel anthracene-appended triazolium for fluorescent sensing to H2PO4-. *Tetrahedron Letters*, **2013**, 54, 3933-3936	2	29
12	Ferrocene-based anion receptor bearing amide and triazolium donor groups. *Analyst, The*, **2012**, 137, 4454-7	5	34
11	"Cleft-form" electrochemical anion chemosensor with amide and triazole donor groups. *Tetrahedron Letters*, **2012**, 53, 4917-4920	2	14
10	Ferrocene-appended aryl triazole for electrochemical recognition of phosphate ions. *Organic Letters*, **2011**, 13, 4386-9	6.2	77
9	Anion responsive TTF-appended calix[4]arenes. Synthesis and study of two different conformers. *Journal of Organic Chemistry*, **2011**, 76, 870-4	4.2	35

8	Ferrocene-based novel electrochemical chemodosimeter for mercury ion recognition. *Tetrahedron Letters*, **2011**, 52, 2786-2789	2	36
7	Ferrocene-based novel electrochemical In3+ sensor. *Tetrahedron Letters*, **2011**, 52, 4464-4467	2	16
6	Synthesis, characterization, spectroscopic and electrochemical properties of new mono- and binuclear copper(I) complexes with substituted 2,2?-bipyridine. *Chinese Journal of Chemistry*, **2010**, 22, 1283-1287	4.9	4
5	Synthesis and characterization of ferrocenyl-acridine dyads and their multiresponse to proton and metal cations. *Journal of Organometallic Chemistry*, **2010**, 695, 1323-1327	2.3	13
4	Novel luminescent europium(III) complexes covalently bonded to bis(phosphino)amine oxide functionalized MCM-41. *Inorganic Chemistry Communication*, **2009**, 12, 48-51	3.1	13
3	Unprecedented 1D Mixed-metal Polynuclear Cyclometalated Platinum Complexes: Synthesis, Structural Characterization and Spectroscopic Properties. *Chinese Journal of Chemistry*, **2007**, 25, 1821-1826	4.9	1
2	Synthesis and Structural Characterization of two Novel Copper(I) Complexes with Oxygen Donor. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2007**, 633, 176-179	1.3	5
1	Cuprophilic interactions in luminescent copper(I) clusters with bridging bis(dicyclohexylphosphino)methane and iodide ligands: spectroscopic and structural investigations. *Chemistry - A European Journal*, **2004**, 10, 2228-36	4.8	150