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List of Publications by Year
in descending order

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96 papers	2,819 citations	172207 29 h-index	214527 47 g-index
96 all docs	96 docs citations	96 times ranked	2102 citing authors

#	Article	IF	Citations
1	Recent advances in diarylethene-based multi-responsive molecular switches. Journal of Materials Chemistry C, 2016, 4, 3075-3093.	2.7	201
2	A colorimetric and fluorescent sensor for Cu 2+ and F â˜ based on a diarylethene with a 1,8-naphthalimide Schiff base unit. Sensors and Actuators B: Chemical, 2017, 239, 295-303.	4.0	154
3	Multi-addressable molecular switches based on a new diarylethene salicylal Schiff base derivative. Journal of Materials Chemistry C, 2013, 1, 4726.	2.7	107
4	Carbazole-based aggregation-induced emission (AIE)-active gold(I) complex: Persistent room-temperature phosphorescence, reversible mechanochromism and vapochromism characteristics. Dyes and Pigments, 2017, 143, 409-415.	2.0	87
5	A highly selective fluorescence sensor for Zn²⁺ and Cu²⁺ based on diarylethene with a piperazine-linked amidoquinoline unit. Journal of Materials Chemistry C, 2015, 3, 4023-4029.	2.7	83
6	Multiaddressing Fluorescence Switch Based on a New Photochromic Diarylethene with a Triazole-Linked Rhodamine B Unit. Journal of Physical Chemistry C, 2014, 118, 7010-7017.	1.5	79
7	A highly selective diarylethene chemosensor for colorimetric detection of CN â˜ and fluorescent relay-detection of Al 3+ /Cr 3+. Dyes and Pigments, 2018, 151, 22-27.	2.0	71
8	A highly sensitive fluorescent sensor for Al³⁺and Zn²⁺based on a diarylethene salicylhydrazide Schiff base derivative and its bioimaging in live cells. New Journal of Chemistry, 2016, 40, 8579-8586.	1.4	63
9	A highly sensitive fluorescent sensor for Cd2+ and Zn2+ based on diarylethene with a pyrene unit. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 227, 117581.	2.0	57
10	A fluorescent chemosensor for Sn²⁺ and Cu²⁺ based on a carbazole-containing diarylethene. RSC Advances, 2017, 7, 9833-9839.	1.7	55
11	A fluorescent sensor based on a diarylethene-rhodamine derivative for sequentially detecting Cu2+ and arginine and its application in keypad lock. Sensors and Actuators B: Chemical, 2017, 247, 26-35.	4.0	51
12	Multi-addressable fluorescent switch based on a photochromic diarylethene with triazole-bridged methylquinoline group. Dyes and Pigments, 2014, 103, 82-88.	2.0	50
13	Diarylethene-based fluorescent and colorimetric chemosensor for the selective detection of Al3+ and CNâ˜. Dyes and Pigments, 2019, 164, 257-266.	2.0	50
14	Aggregation-induced emission (AIE)-active highly emissive novel carbazole-based dyes with various solid-state fluorescence and reversible mechanofluorochromism characteristics. Dyes and Pigments, 2019, 164, 390-397.	2.0	50
15	Enhancement of cyclization quantum yields of perfluorodiarylethenes via weak intramolecular interactions. Chemical Communications, 2013, 49, 8036.	2.2	49
16	A new diarylethene-derived probe for colorimetric sensing of Cu(II) and fluorometric sensing of Cu(II) and Zn(II): Photochromism and High Selectivity. Sensors and Actuators B: Chemical, 2018, 266, 603-613.	4.0	48
17	A highly selective and sensitive ratiometric fluorescent chemosensor for Zn 2+ based on diarylethene with a benzyl-linked 8-aminoquinoline-2-aminomethylpyridine unit. Dyes and Pigments, 2016, 126, 121-130.	2.0	45
18	A highly selective ratiometric fluorescent chemosensor for Hg2+ based on a new diarylethene with a stilbene-linked terpyridine unit. Dyes and Pigments, 2014, 107, 38-44.	2.0	44

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19	A new fluorescent and colorimetric chemosensor for Al³⁺ and F^{â˜'}/CN^{â˜'} based on a julolidine unit and its bioimaging in living cells. RSC Advances, 2018, 8, 31113-31120.	1.7	41
20	Bipyridine-based aggregation-induced phosphorescent emission (AIPE)-active gold(I) complex with reversible phosphorescent mechanochromism and self-assembly characteristics. Dyes and Pigments, 2018, 152, 54-59.	2.0	39
21	A new â€œturn-onâ€•fluorescent chemosensor for Zn2+ based on a diarylethene derivative and its practical applications. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 371, 248-254.	2.0	39
22	Triphenylamine, carbazole or tetraphenylethylene-based gold(I) complexes: Tunable solid-state room-temperature phosphorescence and various mechanochromic luminescence characteristics. Dyes and Pigments, 2018, 159, 499-505.	2.0	38
23	A highly selective fluorescent sensor for Cd 2+ based on a new diarylethene with a 1,8-naphthyridine unit. Dyes and Pigments, 2017, 139, 208-217.	2.0	36
24	Highly sensitive and selective turn-on fluorescent sensor for dual recognition of Cu2+ and CNâ˜' based on a methylquinoline derivative. Dyes and Pigments, 2018, 149, 764-773.	2.0	36
25	A diarylethene-based fluorescent chemosensor for the sequential recognition of Fe³⁺ and cysteine. RSC Advances, 2016, 6, 34748-34753.	1.7	35
26	A highly selective fluorescent chemosensor for Fe³⁺ based on a new diarylethene with a rhodamine 6G unit. RSC Advances, 2017, 7, 29827-29834.	1.7	34
27	Aggregation-induced emission enhancement (AIEE)-active tetraphenylethene (TPE)-based chemosensor for Hg²⁺ with solvatochromism and cell imaging characteristics. RSC Advances, 2019, 9, 11865-11869.	1.7	34
28	Fluorescent probes for Al(III) and Cr(III) based on a photochromic diarylethene bearing a fluorescent rhodamine unit. Mikrochimica Acta, 2011, 174, 329-336.	2.5	30
29	A new photoinduced fluorescent switch based on a photochromic diarylethene with a rhodamine fluorophore. Dyes and Pigments, 2012, 94, 416-422.	2.0	30
30	A fluorescent probe for Cd2+ based on a diarylethene with pyridinepiperazine-linked hydroxyquinoline group. Tetrahedron, 2016, 72, 3213-3220.	1.0	29
31	A highly selective and sensitive fluorescent chemosensor for Zn²⁺based on a diarylethene derivative. RSC Advances, 2017, 7, 50188-50194.	1.7	29
32	A highly selective fluorescence switch for Cu2+ and Fe3+ based on a new diarylethene with a triazole-linked rhodamine 6G unit. Tetrahedron, 2018, 74, 4390-4399.	1.0	28
33	A highly selective fluorescent probe for detection of Cd²⁺ and HSO₃^{â˜'} based on photochromic diarylethene with a triazole-bridged coumarin-quinoline group. RSC Advances, 2018, 8, 22786-22798.	1.7	27
34	A novel fluorescent sensor for Al3+ and Zn2+ based on a new europium complex with a 1,10-phenanthroline ligand. Journal of Rare Earths, 2021, 39, 460-468.	2.5	27
35	Novel sensitive sensors for Cu2+ and optical switching of photochromic dithienylethene derivatives. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 294, 44-53.	2.0	26
36	A turn-on fluorescence sensor for the highly selective detection of Al³⁺ based on diarylethene and its application on test strips. RSC Advances, 2019, 9, 10395-10404.	1.7	26

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37	New Bifunctional Diarylethene Sensor for Multianalyte Detection and Al³⁺ Imaging in Live Cells. ACS Omega, 2019, 4, 309-319.	1.6	26
38	Cyanobenzene-containing tetraphenylethene derivatives with aggregation-induced emission and self-recovering mechanofluorochromic characteristics. RSC Advances, 2017, 7, 43845-43848.	1.7	25
39	1,8-Naphthalimide-Based Highly Emissive Luminophors with Various Mechanofluorochromism and Aggregation-Induced Characteristics. ACS Omega, 2019, 4, 14324-14332.	1.6	25
40	A colorimetric and ratiometric fluorescent sensor for sequentially detecting Cu²⁺ and arginine based on a coumarinâ€“rhodamine B derivative and its application for bioimaging. RSC Advances, 2019, 9, 6643-6649.	1.7	25
41	A highly selective sequential recognition probe for Zn2+ and HSO4â^'/H2PO4â^' based on a diarylethene chemosensor. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 246, 119052.	2.0	25
42	Synthesis, photophysical and iron-sensing properties of terpyridyl-based triphenylamine derivatives. Dyes and Pigments, 2012, 95, 757-767.	2.0	24
43	A ratiometric and colorimetric fluorescent probe for the detection of mercury ion based on rhodamine and quinolineâ€“benzothiazole conjugated dyad. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 400, 112657.	2.0	24
44	A novel diarylethene-based fluorescent switch with a carboxamidoquinoline unit for sensing of Zn(II) ion. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 330, 22-29.	2.0	23
45	A fluorescent sensor for Al 3+ based on a photochromic diarylethene with a hydrazinobenzothiazole Schiff base unit. Tetrahedron Letters, 2017, 58, 1390-1394.	0.7	23
46	A sensitive sensor for Cu(II) based on a novel diarylethene with a bipyridyl moiety. Tetrahedron Letters, 2013, 54, 5791-5794.	0.7	22
47	A highly selective fluorescent probe for Cd2+ and Zn2+ based on a new diarylethene with quinolineâ€“benzimidazole conjugated system. Tetrahedron Letters, 2016, 57, 5205-5210.	0.7	22
48	Highly emissive carbazole-based gold(<scp>i</scp>) complex with a long room-temperature phosphorescence lifetime and self-reversible mechanochromism characteristics. RSC Advances, 2017, 7, 15112-15115.	1.7	21
49	Europium(III) complex fluorescent sensor for dual channel recognition of Sn2+ and Cu2+ ions in water. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 250, 119373.	2.0	21
50	A highly selective fluorescent chemosensor for Cu 2+ based on a new diarylethene with triazole-linked fluorescein. Tetrahedron, 2016, 72, 985-991.	1.0	20
51	A ratiometric and colorimetric probe for detecting Hg²⁺ based on naphthalimideâ€“rhodamine and its staining function in cell imaging. RSC Advances, 2019, 9, 11664-11669.	1.7	20
52	Selective rhodamineâ€“based probe for detecting Hg2+ and its application as test strips and cell staining. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 390, 112302.	2.0	20
53	A photochromic diarylethene-functionalized fluorescent probe for Cd2+ and Zn2+ detections. Tetrahedron, 2020, 76, 131618.	1.0	20
54	A colorimetric fluorescent sensor for Cr3+ based on a novel diarylethene with a naphthalimide-rhodamine B group. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 303-304, 59-66.	2.0	19

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55	A new multi-addressable molecular switch based on a photochromic diarylethene with a thieno-imidazole unit. Tetrahedron Letters, 2016, 57, 1877-1881.	0.7	19
56	Iridium (III) complex-based fluorescent probe for detection of thiophenols and its application in water samples. Dyes and Pigments, 2019, 163, 138-144.	2.0	19
57	Recent research progress of red-emitting/near-infrared fluorescent probes for biothiols. New Journal of Chemistry, 2022, 46, 10995-11020.	1.4	19
58	A multiâ€addressable molecular switch based on a novel diarylethene with an imidazo [4,5â€f] [1,10] phenanthroline unit. Journal of Physical Organic Chemistry, 2014, 27, 183-190.	0.9	18
59	A new fluorescent sensor for Zn²⁺ based on diarylethene with a 4-diethylamino-salicylaldehyde Schiff base unit. Journal of Physical Organic Chemistry, 2016, 29, 421-429.	0.9	17
60	A diarylethene-based â€œonâ€“offâ€“onâ€•fluorescence sensor for the sequential recognition of mercury and cysteine. RSC Advances, 2017, 7, 20591-20596.	1.7	17
61	An â€˜â€˜offâ€“onâ€“offâ€™â€™ sensor for sequential detection of Cu²⁺ and hydrogen sulfide based on a naphthalimideâ€“rhodamine B derivative and its application in dual-channel cell imaging. RSC Advances, 2018, 8, 33121-33128.	1.7	17
62	Aggregation-induced emission enhancement (AIEE)-active mechanofluorochromic tetraphenylethene derivative bearing a rhodamine unit. Tetrahedron Letters, 2018, 59, 4416-4419.	0.7	17
63	Bifunctional Cu²⁺/Fe³⁺ Probe with Independent Signal Outputs Based on a Photochromic Diarylethene with a Dansylhydrazine Unit. ACS Omega, 2019, 4, 6597-6606.	1.6	17
64	A multi-functional hydrazinobenzothiazole-based diarylethene derivative: Highly efficient discrimination cadmium ion from zinc ion and near-infrared absorption detection of hydroxide ion. Dyes and Pigments, 2017, 146, 305-315.	2.0	16
65	The effect of the formyl group position upon asymmetric isomeric diarylethenes bearing a naphthalene moiety. Beilstein Journal of Organic Chemistry, 2012, 8, 1018-1026.	1.3	15
66	A colorimetric and fluorescent chemosensor for Hg²⁺ based on a photochromic diarylethene with a quinoline unit. RSC Advances, 2018, 8, 39854-39864.	1.7	15
67	A solvent-dependent chemosensor for fluorimetric detection of Hg²⁺ and colorimetric detection of Cu²⁺ based on a new diarylethene with a rhodamine B unit. RSC Advances, 2019, 9, 42155-42162.	1.7	15
68	Amino-functionalized copper-based metalâ€“organic frameworks for highly selective and sensitive detection of hypochlorite. New Journal of Chemistry, 2020, 44, 19753-19758.	1.4	15
69	Multiâ€functional ionâ€sensor based on a photochromic diarylethene with a 1Hâ€imidazo [4,5â€f][1,10] phenanthroline unit. Luminescence, 2015, 30, 1290-1296.	1.5	14
70	A Highly Selective Chemosensor for Cu²⁺ Based on a Diarylethene Linking an Aminoquinoline Unit. Chinese Journal of Chemistry, 2015, 33, 1310-1316.	2.6	14
71	A novel fluorescence â€œturn-onâ€•sensor based on a photochromic diarylethene for the selective detection of Al(III). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 196, 303-310.	2.0	14
72	A new fluorescence sensor based on diarylethene with a N'-(quinolin-8-ylmethylene)benzohydrazide group for Zn2+ detection. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 364, 32-39.	2.0	13

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73	1,8-Naphthalimide-based highly emissive luminogen with reversible mechanofluorochromism and good cell imaging characteristics. Tetrahedron Letters, 2018, 59, 3600-3604.	0.7	13
74	Thiophene-containing tetraphenylethene derivatives with different aggregation-induced emission (AIE) and mechanofluorochromic characteristics. RSC Advances, 2019, 9, 24338-24343.	1.7	13
75	A new multi-functional fluorescent mercuric ion sensor based on diarylethene with triazole-linked rhodamine B unit. Tetrahedron, 2020, 76, 131393.	1.0	13
76	Nakedâ€eye detection of Cu (II) and Fe (III) based on a Schiff Base Ruthenium complex with nicotinohydrazide. Applied Organometallic Chemistry, 2020, 34, e5841.	1.7	12
77	A H2O-induced fluorescence turn-on diarylethene derivative and its fluorescent sensing Al3+. Microchemical Journal, 2021, 163, 105887.	2.3	12
78	A Novel Diarylethene-rhodamine Unit Based Chemosensor for Fluorimetric and Colorimetric Detection of Hg2+. Journal of Fluorescence, 2021, 31, 1513-1523.	1.3	12
79	A new multi-addressable molecular switch based on a photochromic diarylethene with a 6-aryl[1,2-c]quinazoline unit. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 138, 441-446.	2.0	11
80	A new sensitive symmetric fluorescein-linked diarylethene chemosensor for Hg2+ detection. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 367, 465-470.	2.0	11
81	Copper-Catalyzed Diversity-Oriented Synthesis (DOS) of 4-Amino-2H-chromen-2-imines: Application of Kemp Elimination toward O-Heterocycles. ACS Omega, 2018, 3, 8160-8168.	1.6	10
82	A novel full symmetric diarylethene€based ratiometric fluorescent sensor for lysine and the application for a logic circuit. Luminescence, 2021, 36, 691-697.	1.5	10
83	Substituent effect in the photochromism of two isomeric asymmetric diarylethenes having pyrrole and thiophene units. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 173, 257-263.	2.0	8
84	A highly selective diarylethene fluorescence sensor of aluminum ion and its application. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 405, 112958.	2.0	8
85	A new highly selective diarylethene with near-infrared fluorochrome unit for sequential detection of copper ion. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 211, 322-329.	2.0	7
86	A dual-functional chemical sensor for the detection of Cu2+ and Cd2+ based on the photochromic diarylethene. Tetrahedron, 2022, 104, 132583.	1.0	7
87	A self-assembly lanthanide nanoparticle for ratiometric fluorescence determination of alkaline phosphatase activity. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 432, 114054.	2.0	7
88	Effects of Aromatic Stabilization Energies on Photochromism of New Asymmetrical Azaindoleâ€Containing Diarylethenes. Chinese Journal of Chemistry, 2015, 33, 785-791.	2.6	6
89	A diarylethene-based fluorescent chemosensor for highly selective recognition of Zn2+ and its application. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 431, 114011.	2.0	6
90	Photochromism of a novel asymmetrical diarylethene with a (formyloxyethoxy)ethylâ€linked naphthalimide moiety. Journal of Physical Organic Chemistry, 2014, 27, 764-769.	0.9	5

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91	Hg 2+ â€selective ratiometric and colorimetric probe based on dansylâ€“rhodamine and its staining function in cell imaging. Luminescence, 2019, 34, 911-917.	1.5	5
92	A high selective chemosensor for detection of Al3+ based on diarylethene with a hydrazide unit. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 425, 113718.	2.0	5
93	1,10-Phenanthroline decorated with substituent groups forming europium(III) complexes: synthesis, crystal structure, photoluminescence properties and their bioimaging in living cells. Journal of Coordination Chemistry, 2020, 73, 2311-2327.	0.8	4
94	Pyromellitic diimide-based luminophors: Tunable aggregation-induced emission (AIE) and reversible mechanofluorochromism characteristics. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 417, 113344.	2.0	4
95	Effects of aromatic stabilization energies of aryl rings of symmetrical diarylethenes. Tetrahedron, 2017, 73, 6479-6485.	1.0	3
96	Bifunctional probe for Cu2+/Al3+ based on a diarylethene with a 4, 5-[bis-(5-ethylacetate-yl)-2-thienyl]-1H-imidazole unit. Tetrahedron, 2019, 75, 130708.	1.0	3