

Jia-xiang Yang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A multi-stimuli-responsive tetraphenylethene derivative with high fluorescent emission in solid state. <i>Dyes and Pigments</i> , 2022, 197, 109909.	3.7	9
2	Tunable aggregation-induced emission, solid-state fluorescence, and mechanochromic behaviors of tetraphenylethene-based luminophores by slight modulation of substituent structure. <i>Journal of Solid State Chemistry</i> , 2022, 305, 122706.	2.9	5
3	The locations of triphenylamine and tetraphenylethene on a cyclohexyl ring define a luminogen as an AIEgen or a DSEgen. <i>Journal of Materials Chemistry C</i> , 2022, 10, 6078-6084.	5.5	27
4	Fusing rigid planar units to engineer twisting molecules as dual-state emitters. <i>Materials Chemistry Frontiers</i> , 2022, 6, 1261-1268.	5.9	23
5	Alkyl-Engineered Dual-State Luminogens with Pronounced Odd-Even Effects: Quantum Yields with up to 48% Difference and Crystallochromy with up to 22 nm Difference. <i>Journal of Physical Chemistry B</i> , 2022, 126, 2921-2929.	2.6	14
6	A novel star-shaped Schiff base compound: Synthesis, properties and application in w-LEDs. <i>Results in Optics</i> , 2022, 7, 100228.	2.0	5
7	D _{3h} structured triphenylamine fluorophore with bright dual-state emission for reversible mechanofluorochromism and trace water detection. <i>Molecular Systems Design and Engineering</i> , 2022, 7, 963-968.	3.4	17
8	±-Cyanostilbene functionalized carbazole derivatives exhibiting dual-state emission and multi-stimuli responsive fluorescent switching. <i>Journal of Luminescence</i> , 2022, 250, 119119.	3.1	21
9	Molecular engineering of carbazole-acrylonitrile fluorophores: substituent-dependent optical properties and mechanochromism. <i>CrystEngComm</i> , 2021, 23, 2289-2296.	2.6	13
10	Dual-state emission difluoroboron derivatives for selective detection of picric acid and reversible acid/base fluorescence switching. <i>Analytical Methods</i> , 2021, 13, 2830-2835.	2.7	21
11	High dual-state blue emission of a functionalized pyrazoline derivative for picric acid detection. <i>CrystEngComm</i> , 2021, 23, 221-226.	2.6	19
12	A computational and experimental investigation of donor-acceptor BODIPY based near-infrared fluorophore for in vivo imaging. <i>Bioorganic Chemistry</i> , 2021, 110, 104789.	4.1	3
13	A novel tetraphenylethylene-functionalized arylimidazole AIEgen for detections of picric acid and Cu ²⁺ . <i>Chemical Papers</i> , 2021, 75, 6297-6306.	2.2	9
14	Preparation and linear/nonlinear optical properties of a gold-terpyridine nanohybrid constructed through thiocyanate coordinating bridge. <i>Optical Materials</i> , 2021, 118, 111289.	3.6	0
15	Multi-stimuli responsive properties and structure-property studies of tetraphenylethylene functionalized arylimidazole derivatives. <i>New Journal of Chemistry</i> , 2021, 45, 21327-21333.	2.8	6
16	Multifunctional behavior of a novel tetraphenylethylene derivative: Mechanochromic luminescence, detection of fluoride ions and trace water in aprotic solvents. <i>Dyes and Pigments</i> , 2020, 172, 107832.	3.7	18
17	A facile strategy to realize a single/double photon excitation-dependent photosensitizer for imaging-guided phototherapy against HeLa cancer cells at separate irradiation channels. <i>Chemical Communications</i> , 2020, 56, 571-574.	4.1	12
18	Aggregation-induced emission-active tetraphenylethylene derivatives containing arylimidazole unit for reversible mechanofluorochromism and selective detection of picric acid. <i>Dyes and Pigments</i> , 2020, 181, 108574.	3.7	21

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19	Molecular Packing-Induced Emission Enhancement of Tetraphenylethene-Functionalised Pyrazoline Derivatives. <i>Chemistry - A European Journal</i> , 2020, 26, 3834-3842.	3.3	25
20	Two AIEE-active β -cyanostilbene derivatives containing BF ₂ unit for detecting explosive picric acid in aqueous medium. <i>RSC Advances</i> , 2019, 9, 26043-26050.	3.6	21
21	Conformation of a Molecular with Functional Imidazole Group: Achieving High Color Contrast Mechanochromic Behavior and Selectively Detection of Picric Acid in Aqueous Medium. <i>ChemistrySelect</i> , 2019, 4, 7380-7387.	1.5	8
22	Rational molecular design: functional quinoline derivatives for PA detection, gaseous acid/base switching and anion-controlled fluorescence. <i>CrystEngComm</i> , 2019, 21, 94-101.	2.6	11
23	The facile and visualizable identification of broad-spectrum inhibitors of MDM2/p53 using co-expressed protein complexes. <i>Analyst</i> , 2019, 144, 3773-3781.	3.5	1
24	Understanding the molecular orientation growth on a nanometer scale and adjustable electron transition performance of a terpyridyl derivative under different external environments. <i>CrystEngComm</i> , 2019, 21, 2736-2746.	2.6	1
25	<i>In vivo</i> two-photon imaging/excited photothermal therapy strategy of a silver-nanohybrid. <i>Journal of Materials Chemistry B</i> , 2019, 7, 7377-7386.	5.8	9
26	AIE-active luminogen for highly sensitive and selective detection of picric acid in water samples: Pyridyl as an effective recognition group. <i>Dyes and Pigments</i> , 2019, 163, 1-8.	3.7	31
27	A novel fluorophore-cyano-carboxylic-Ag microhybrid: Enhanced two photon absorption for two-photon photothermal therapy of HeLa cancer cells by targeting mitochondria. <i>Biosensors and Bioelectronics</i> , 2018, 108, 14-19.	10.1	11
28	Two novel AIEE-active imidazole/ β -cyanostilbene derivatives: photophysical properties, reversible fluorescence switching, and detection of explosives. <i>CrystEngComm</i> , 2018, 20, 1237-1244.	2.6	34
29	Branched triphenylamine luminophores: Aggregation-induced fluorescence emission, and tunable near-infrared solid-state fluorescence characteristics via external mechanical stimuli. <i>Dyes and Pigments</i> , 2018, 151, 140-148.	3.7	40
30	A novel carbazole derivative containing fluorobenzene unit: aggregation-induced fluorescence emission, polymorphism, mechanochromism and non-reversible thermo-stimulus fluorescence. <i>CrystEngComm</i> , 2018, 20, 2772-2779.	2.6	18
31	High-contrast electrically switchable light-emitting liquid crystal displays based on β -cyanostilbenic derivative. <i>Liquid Crystals</i> , 2018, 45, 32-39.	2.2	12
32	Mechanoresponsive Material of AIE-Active 1,4-Dihydropyrrolo[3,2-b]pyrrole Luminophores Bearing Tetraphenylethylene Group with Rewritable Data Storage. <i>Molecules</i> , 2018, 23, 3255.	3.8	17
33	Visualization of mitochondrial DNA in living cells with super-resolution microscopy using thiophene-based terpyridine Zn(II) complexes. <i>Chemical Communications</i> , 2018, 54, 11288-11291.	4.1	37
34	A β -shaped cyanostilbene derivative: multi-stimuli responsive fluorescence sensors, rewritable information storage and colour converter for w-LEDs. <i>Journal of Materials Chemistry C</i> , 2018, 6, 9269-9276.	5.5	47
35	Twisted Donor-Acceptor Carbazole Luminophores with Substituent-Dependent Properties of Aggregated Behavior (Aggregation-Caused Quenching to Aggregation-Enhanced Emission) and Mechanoresponsive Luminescence. <i>Journal of Physical Chemistry C</i> , 2018, 122, 19793-19800.	3.1	40
36	A series of Cd(II)X ₂ (X=Cl, Br, I) complexes with D-A model and their third-order nonlinear optical properties with a femtosecond laser in the near IR region. <i>Journal of Coordination Chemistry</i> , 2017, 70, 960-972.	2.2	2

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37	Multi-stimuli-responsive fluorescence of a highly emissive difluoroboron complex in both solution and solid states. <i>CrystEngComm</i> , 2017, 19, 1294-1303.	2.6	42
38	Coordination coupling enhanced two-photon absorption of a ZnS-based microhybrid for two-photon microscopy imaging in HepG2. <i>Nanoscale</i> , 2017, 9, 7901-7910.	5.6	6
39	A series of multifunctional coordination polymers based on terpyridine and zinc halide: second-harmonic generation and two-photon absorption properties and intracellular imaging. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5458-5463.	5.8	31
40	Terpyridine functionalized $\hat{I}\pm$ -cyanostilbene derivative as excellent fluorescence and naked eyes Fe ²⁺ probe in aqueous environment. <i>Chemical Papers</i> , 2017, 71, 2209-2215.	2.2	10
41	A pyridinyl-organoboron complex as dual functional chemosensor for mercury ions and gaseous acid/base. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 642-649.	7.8	13
42	Synthesis, crystals of centrosymmetric triphenylamine chromophores bearing prodigious two-photon absorption cross-section and biological imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 173, 871-879.	3.9	7
43	Continuously tunable emission color based on the molecular aggregation of (2Z,2 \hat{A} ² Z)-2,2 \hat{A} ² -(1,4-phenylene)bis(3-(4-(dodecyloxy)phenyl)acrylonitrile). <i>RSC Advances</i> , 2016, 6, 96196-96201.	3.6	6
44	Anion-controlled dimer distance induced unique solid-state fluorescence of cyano substituted styrene pyridinium. <i>Scientific Reports</i> , 2016, 6, 37609.	3.3	21
45	Aggregation-induced emission enhancement and mechanofluorochromic properties of $\hat{I}\pm$ -cyanostilbene functionalized tetraphenyl imidazole derivatives. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2971-2978.	5.5	75
46	An AIE active probe for specific sensing of Hg ²⁺ based on linear conjugated bis-Schiff base. <i>Sensors and Actuators B: Chemical</i> , 2016, 229, 338-346.	7.8	86
47	Small molecules of chalcone derivatives with high two-photon absorption activities in the near-IR region. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3256-3267.	5.5	28
48	Effect of solvent, pH and metal ions on the self-assembly process and optical properties of an A \hat{A} ² - \hat{I} \hat{A} ² -D \hat{A} ² - \hat{I} \hat{A} ² -A type triphenylamine carboxylic acid derivative. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2990-3001.	5.5	7
49	A simple pyridine-based colorimetric chemosensor for highly sensitive and selective mercury(II) detection with the naked eye. <i>Chemical Papers</i> , 2015, 69, .	2.2	16
50	Dual-Functional Analogous <i>cis</i> -Platinum Complex with High Antitumor Activities and Two-Photon Bioimaging. <i>Biochemistry</i> , 2015, 54, 2177-2180.	2.5	12
51	Design of turn-on fluorescent probe for effective detection of Hg ²⁺ by combination of AIEE-active fluorophore and binding site. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 730-739.	7.8	36
52	A $\hat{I}\pm$ -cyanostilbene-modified Schiff base as efficient turn-on fluorescent chemosensor for Zn ²⁺ . <i>Journal of Chemical Sciences</i> , 2015, 127, 375-382.	1.5	20
53	Cholesteric liquid crystals with an electrically controllable reflection bandwidth based on ionic polymer networks and chiral ions. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5406-5411.	5.5	18
54	Water soluble fluorophore-carbazole \hat{A} ² -Au \hat{A} ² -DNA nanohybrid: enhanced two-photon absorption for living cell imaging application. <i>RSC Advances</i> , 2015, 5, 94446-94455.	3.6	2

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55	High quantum yield both in solution and solid state based on cyclohexyl modified triphenylamine derivatives for picric acid detection. <i>Dyes and Pigments</i> , 2015, 123, 257-266.	3.7	29
56	Self-assembly of metal ion induced highly emissive fluorophore-triphenylamine nanostructures: enhanced two-photon action cross-section for bioimaging applications. <i>Journal of Materials Chemistry C</i> , 2015, 3, 570-581.	5.5	25
57	A small-molecule chemosensor for the selective detection of 2,4,6-trinitrophenol (TNP). <i>RSC Advances</i> , 2015, 5, 191-195.	3.6	42
58	Time-dependent morphology evolution and density functional theory calculations to study crystal growth process of a triphenylamine nanorod. <i>Journal of Molecular Structure</i> , 2014, 1059, 144-149.	3.6	5
59	Blue-shift of photoluminescence induced by coupling effect of a nanohybrid composed of fluorophore-phenothiazine derivative and gold nanoparticles. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	3
60	Synthesis and characterization of a novel cyanostilbene derivative and its initiated polymers: aggregation-induced emission enhancement behaviors and light-emitting diode applications. <i>Polymer Chemistry</i> , 2014, 5, 2282.	3.9	34
61	Electrically switchable photoluminescence of fluorescent-molecule-dispersed liquid crystals prepared via photoisomerization-induced phase separation. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1386.	5.5	52
62	The self-aggregation of fluorophore-triphenylamine nanostructures with tunable luminescent properties: the effect of acidity and rare earth ions. <i>RSC Advances</i> , 2014, 4, 18981-18988.	3.6	4
63	A luminescent liquid crystal with multistimuli tunable emission colors based on different molecular packing structures. <i>New Journal of Chemistry</i> , 2014, 38, 3429.	2.8	44
64	Efficiency Enhancement of Inverted Polymer Solar Cells Using Ionic Liquid-functionalized Carbon Nanoparticles-modified ZnO as Electron Selective Layer. <i>Nano-Micro Letters</i> , 2014, 6, 24-29.	27.0	17
65	Complex Formation-Enhanced Fluorescence Quenching Effect for Efficient Detection of Picric Acid. <i>Chemistry - A European Journal</i> , 2014, 20, 12215-12222.	3.3	78
66	PEI@Mg ₂ SiO ₄ : an efficient carbon dioxide and nitrophenol compounds adsorbing material. <i>RSC Advances</i> , 2014, 4, 33866-33873.	3.6	4
67	Synthesis of graphene/nickel oxide composite with improved electrochemical performance in capacitors. <i>Ionics</i> , 2013, 19, 1883-1889.	2.4	26
68	Regulation of luminescence band and exploration of antibacterial activity of a nanohybrid composed of fluorophore-phenothiazine nanoribbons dispersed with Ag nanoparticles. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5047.	5.5	16
69	One pot synthesis of a highly water-dispersible hybrid glucose carbides and reduced graphene oxide material with superior electrical capacitance. <i>Journal of Materials Science</i> , 2013, 48, 8277-8286.	3.7	8
70	Two novel terpyridine-based chromophores with donor-acceptor structural model containing modified triphenylamine moiety: Synthesis, crystal structures and two-photon absorption properties. <i>Science China Chemistry</i> , 2013, 56, 1315-1324.	8.2	10
71	Synthesis of two novel indolo[3,2-b]carbazole derivatives with aggregation-enhanced emission property. <i>Journal of Materials Chemistry C</i> , 2013, 1, 7092.	5.5	62
72	Synthesis, photophysical properties and TD-DFT calculation of four two-photon absorbing triphenylamine derivatives. <i>Science China Chemistry</i> , 2013, 56, 106-116.	8.2	22

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73	Assembly, Two-Photon Absorption, and Bioimaging of Living Cells of A Cuprous Cluster. <i>Chemistry of Materials</i> , 2012, 24, 954-961.	6.7	65
74	Novel phenyl-iminodiacetic acid grafted multiwalled carbon nanotubes for solid phase extraction of iron, copper and lead ions from aqueous medium. <i>Mikrochimica Acta</i> , 2012, 176, 359-366.	5.0	37
75	Crystal structures, two-photon absorption and theoretical calculation of a series of bis-vinylpyridine compounds synthesized by one-step solid state reaction. <i>Science China Chemistry</i> , 2011, 54, 730-736.	8.2	4
76	Multi-carbazole derivatives for two-photon absorption data storage: Synthesis, optical properties and theoretical calculation. <i>Science China Chemistry</i> , 2010, 53, 884-890.	8.2	7
77	Synthesis, crystal structures and electrochemical properties of two new metal-centered ferrocene complexes. <i>Science in China Series B: Chemistry</i> , 2009, 52, 930-936.	0.8	5
78	Investigation of structure-property relationships of multi-branched two-photon absorption chromophores based on π -conjugation core. <i>Chemical Physics</i> , 2009, 358, 39-44.	1.9	16
79	A Sulfur-Terminal Zn(II) Complex and Its Two-Photon Microscopy Biological Imaging Application. <i>Journal of the American Chemical Society</i> , 2009, 131, 5208-5213.	13.7	95
80	Polymorphism in a Highly Conjugated Organic Compound: Strong Photoelectric Response. <i>Crystal Growth and Design</i> , 2009, 9, 253-257.	3.0	18
81	Solvent-resolved fluorescent Ag nanocrystals capped with a novel terpyridine-based dye. <i>New Journal of Chemistry</i> , 2009, 33, 607.	2.8	18
82	Design, crystal structures and enhanced frequency-upconverted lasing efficiencies of a new series of dyes from hybrid of inorganic polymers and organic chromophores. <i>Journal of Materials Chemistry</i> , 2009, 19, 9163.	6.7	37
83	Facile Synthesis and Systematic Investigations of a Series of Novel Bent-Shaped Two-Photon Absorption Chromophores Based on Pyrimidine. <i>Chemistry - an Asian Journal</i> , 2009, 4, 668-680.	3.3	64
84	Synthesis, characterization and crystal structure of 6-ferrocenyl-2,4-dihydroxy-2,4-di(pyridine-2-yl) cyclohexanecarbonyl ferrocene. <i>Transition Metal Chemistry</i> , 2008, 33, 85-89.	1.4	3
85	Synthesis, luminescence, and cyclic voltammetric studies of novel binuclear ruthenium(II) complexes prepared from β^2 -diketonate derivatives. <i>Transition Metal Chemistry</i> , 2008, 33, 431-437.	1.4	3
86	Rapid Synthesis and Electrochemical Property of Ag ₂ Te Nanorods. <i>Journal of Physical Chemistry C</i> , 2008, 112, 14825-14829.	3.1	50
87	A highly selective colorimetric chemosensor for detecting the respective amounts of iron(ii) and iron(iii) ions in water. <i>New Journal of Chemistry</i> , 2007, 31, 906.	2.8	139
88	Synthesis, Crystal Structures, and Photoluminescence of a Series of Coordination Polymers with Two Homologous Functional Flexible Ligands. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 1854-1866.	2.0	20
89	Investigations and facile synthesis of a series of novel multi-functional two-photon absorption materials. <i>Journal of Materials Chemistry</i> , 2007, 17, 3646.	6.7	50
90	Hydrothermal synthesis, structure and properties of a novel Zn(II) dicarboxylate containing nanometer channel by significant hydrogen bonds and π - π interactions. <i>Transition Metal Chemistry</i> , 2007, 32, 136-139.	1.4	2

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91	Synthesis, crystal structure, electrochemical properties and large optical limiting effect of a novel 3-(E)-ferrocenyl-vinyl-N-hexyl carbazole. <i>Transition Metal Chemistry</i> , 2007, 32, 551-557.	1.4	5
92	A novel 2D Mn(II) dicarboxylate with nanometer channels: hydrothermal synthesis, crystal structures and luminescence properties. <i>Transition Metal Chemistry</i> , 2007, 32, 967-970.	1.4	0
93	Synthesis and Characterization of Hexagonal CuSe Nanotubes by Templating against Trigonal Se Nanotubes. <i>Crystal Growth and Design</i> , 2006, 6, 2809-2813.	3.0	107
94	Synthesis, Characterization and Two-Photon Absorption Properties of a Novel Pyridinium Salt. <i>Chinese Journal of Chemistry</i> , 2004, 22, 354-359.	4.9	4
95	Title is missing!. <i>Transition Metal Chemistry</i> , 2003, 28, 930-934.	1.4	4
96	Preparation, Crystal Structure and Properties of a Pentametallic 3-ferrocenyl-2-acrotonic acid-Bridged Copper (II) Complex. <i>Chinese Journal of Chemistry</i> , 2003, 21, 1461-1465.	4.9	3
97	Langmuir Aggregation of Chromophore in Biomacromolecule and its Application: Interaction of Picramine CA (PCA) with Proteins. <i>Supramolecular Chemistry</i> , 2002, 14, 315-321.	1.2	9
98	N-(Ferrocenecarbonyl)-N ² -(quinolin-8-yl)thiourea. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2002, 58, m43-m44.	0.4	5