

# Jia-xiang Yang

## List of Publications by Year in descending order

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98  
papers

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citations

186265

28  
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254184

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docs citations

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times ranked

2777  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	An AIE active probe for specific sensing of Hg <sup>2+</sup> based on linear conjugated bis-Schiff base. <i>Sensors and Actuators B: Chemical</i> , 2016, 229, 338-346.	7.8	86
5	Complexation-Enhanced Fluorescence Quenching Effect for Efficient Detection of Picric Acid. <i>Chemistry - A European Journal</i> , 2014, 20, 12215-12222.	3.3	78
6	Aggregation-induced emission enhancement and mechanofluorochromic properties of $\beta$ -cyanostilbene functionalized tetraphenyl imidazole derivatives. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2971-2978.	5.5	75
7	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
8	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
9	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
10	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
11	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
12	Rapid Synthesis and Electrochemical Property of Ag <sub>2</sub> Te Nanorods. <i>Journal of Physical Chemistry C</i> , 2008, 112, 14825-14829.	3.1	50
13	A $\beta$ -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
14	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
15	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
16	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
17	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
18	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

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19	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
20	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
21	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
22	Design of turn-on fluorescent probe for effective detection of Hg <sup>2+</sup> by combination of AIEE-active fluorophore and binding site. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 730-739.	7.8	36
23	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
24	Two novel AIEE-active imidazole/ $\beta$ -cyanostilbene derivatives: photophysical properties, reversible fluorescence switching, and detection of explosives. <i>CrystEngComm</i> , 2018, 20, 1237-1244.	2.6	34
25	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
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	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
28	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
29	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
30	Synthesis of graphene/nickel oxide composite with improved electrochemical performance in capacitors. <i>Ionics</i> , 2013, 19, 1883-1889.	2.4	26
31	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
32	Molecular Packing-Induced Emission Enhancement of Tetraphenylethene-Functionalised Pyrazoline Derivatives. <i>Chemistry - A European Journal</i> , 2020, 26, 3834-3842.	3.3	25
33	Fusing rigid planar units to engineer twisting molecules as dual-state emitters. <i>Materials Chemistry Frontiers</i> , 2022, 6, 1261-1268.	5.9	23
34	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
35	Anion-controlled dimer distance induced unique solid-state fluorescence of cyano substituted styrene pyridinium. <i>Scientific Reports</i> , 2016, 6, 37609.	3.3	21
36	Two AIEE-active $\beta$ -cyanostilbene derivatives containing BF <sub>2</sub> unit for detecting explosive picric acid in aqueous medium. <i>RSC Advances</i> , 2019, 9, 26043-26050.	3.6	21

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37	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
38	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
39	Î±-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
40	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
41	A Î±-cyanostilbene-modified Schiff base as efficient turn-on fluorescent chemosensor for Zn <sup>2+</sup> . <i>Journal of Chemical Sciences</i> , 2015, 127, 375-382.	1.5	20
42	High dual-state blue emission of a functionalized pyrazoline derivative for picric acid detection. <i>CrystEngComm</i> , 2021, 23, 221-226.	2.6	19
43	Polymorphism in a Highly Conjugated Organic Compound: Strong Photoelectric Response. <i>Crystal Growth and Design</i> , 2009, 9, 253-257.	3.0	18
44	Solvent-resolved fluorescent Ag nanocrystals capped with a novel terpyridine-based dye. <i>New Journal of Chemistry</i> , 2009, 33, 607.	2.8	18
45	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
46	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
47	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
48	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
49	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
50	Dâ€“Aâ€“D 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
51	Investigation of structureâ€“property relationships of multi-branched two-photon absorption chromophores based on Î€-conjugation core. <i>Chemical Physics</i> , 2009, 358, 39-44.	1.9	16
52	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
53	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
54	Alkyl-Engineered Dual-State Luminogens with Pronounced Oddâ€“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

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55	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
56	Molecular engineering of carbazole-acrylonitrile fluorophores: substituent-dependent optical properties and mechanochromism. <i>CrystEngComm</i> , 2021, 23, 2289-2296.	2.6	13
57	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
58	High-contrast electrically switchable light-emitting liquid crystal displays based on $\pm$ -cyanostilbenic derivative. <i>Liquid Crystals</i> , 2018, 45, 32-39.	2.2	12
59	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
60	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
61	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
62	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
63	Terpyridine functionalized $\pm$ -cyanostilbene derivative as excellent fluorescence and naked eyes Fe <sup>2+</sup> probe in aqueous environment. <i>Chemical Papers</i> , 2017, 71, 2209-2215.	2.2	10
64	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
65	<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
66	A novel tetraphenylethylene-functionalized arylimidazole AIEgen for detections of picric acid and Cu <sup>2+</sup> . <i>Chemical Papers</i> , 2021, 75, 6297-6306.	2.2	9
67	A multi-stimuli-responsive tetraphenylethene derivative with high fluorescent emission in solid state. <i>Dyes and Pigments</i> , 2022, 197, 109909.	3.7	9
68	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
69	Conformation of D $\pi$ -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
70	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
71	Effect of solvent, pH and metal ions on the self-assembly process and optical properties of an A $\pi$ -D $\pi$ -A type triphenylamine carboxylic acid derivative. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2990-3001.	5.5	7
72	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

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73	Continuously tunable emission color based on the molecular aggregation of (2Z,2â€²Z)-2,2â€²-(1,4-phenylene)bis(3-(4-(dodecyloxy)phenyl)acrylonitrile). RSC Advances, 2016, 6, 96196-96201.	3.6	6
74	Coordination coupling enhanced two-photon absorption of a ZnS-based microhybrid for two-photon microscopy imaging in HepG2. Nanoscale, 2017, 9, 7901-7910.	5.6	6
75	Multi-stimuli responsive properties and structureâ€“property studies of tetraphenylethylene functionalized arylimidazole derivatives. New Journal of Chemistry, 2021, 45, 21327-21333.	2.8	6
76	N-(Ferrocenecarbonyl)-Nâ€²-(quinolin-8-yl)thiourea. Acta Crystallographica Section C: Crystal Structure Communications, 2002, 58, m43-m44.	0.4	5
77	Synthesis, crystal structure, electrochemical properties and large optical limiting effect of a novel 3-(E)-ferrocenyl-vinyl-N-hexyl carbazole. Transition Metal Chemistry, 2007, 32, 551-557.	1.4	5
78	Synthesis, crystal structures and electrochemical properties of two new metal-centered ferrocene complexes. Science in China Series B: Chemistry, 2009, 52, 930-936.	0.8	5
79	Time-dependent morphology evolution and density functional theory calculations to study crystal growth process of a triphenylamine nanorod. Journal of Molecular Structure, 2014, 1059, 144-149.	3.6	5
80	Tunable aggregation-induced emission, solid-state fluorescence, and mechanochromic behaviors of tetraphenylethene-based luminophores by slight modulation of substituent structure. Journal of Solid State Chemistry, 2022, 305, 122706.	2.9	5
81	A novel star-shaped Schiff base compound: Synthesis, properties and application in w-LEDs. Results in Optics, 2022, 7, 100228.	2.0	5
82	Title is missing!. Transition Metal Chemistry, 2003, 28, 930-934.	1.4	4
83	Synthesis, Characterization and Twoâ€“Photon Absorption Properties of a Novel Pyridinium Salt. Chinese Journal of Chemistry, 2004, 22, 354-359.	4.9	4
84	Crystal structures, two-photon absorption and theoretical calculation of a series of bis-vinylpyridine compounds synthesized by one-step solid state reaction. Science China Chemistry, 2011, 54, 730-736.	8.2	4
85	The self-aggregation of fluorophore-triphenylamine nanostructures with tunable luminescent properties: the effect of acidity and rare earth ions. RSC Advances, 2014, 4, 18981-18988.	3.6	4
86	PEI@Mg2SiO4: an efficient carbon dioxide and nitrophenol compounds adsorbing material. RSC Advances, 2014, 4, 33866-33873.	3.6	4
87	Synthesis, characterization and crystal structure of 6-ferrocenyl-2,4-dihydroxy-2,4-di(pyridine-2-yl)cyclohexanecarbonyl ferrocene. Transition Metal Chemistry, 2008, 33, 85-89.	1.4	3
88	Synthesis, luminescence, and cyclic voltammetric studies of novel binuclear ruthenium(II) complexes prepared from Î²-diketonate derivatives. Transition Metal Chemistry, 2008, 33, 431-437.	1.4	3
89	Preparation, Crystal Structure and Properties of a Pentametallic 3â€“Ferrocenylâ€“rotonic acidâ€“Bridged Copper (II) Complex. Chinese Journal of Chemistry, 2003, 21, 1461-1465.	4.9	3
90	Blue-shift of photoluminescence induced by coupling effect of a nanohybrid composed of fluorophoreâ€“phenothiazine derivative and gold nanoparticles. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	3

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91	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
92	Hydrothermal synthesis, structure and properties of a novel Zn(II) dicarboxylate containing nanometer channel by significant hydrogen bonds and $\pi$ - $\pi$ interactions. <i>Transition Metal Chemistry</i> , 2007, 32, 136-139.	1.4	2
93	Water soluble fluorophore-carbazole-Au-DNA nanohybrid: enhanced two-photon absorption for living cell imaging application. <i>RSC Advances</i> , 2015, 5, 94446-94455.	3.6	2
94	A series of Cd <sup>II</sup> X <sub>2</sub> (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
95	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
96	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
97	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
98	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