

Yujian Zhang

List of Publications by Year in descending order

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papers

5,220
citations

81743

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times ranked

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#	ARTICLE	IF	CITATIONS
1	A Cocrystal Strategy to Tune the Luminescent Properties of Stilbene-Type Organic Solid-State Materials. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12483-12486.	7.2	463
2	Molecular crystalline materials with tunable luminescent properties: from polymorphs to multi-component solids. <i>Materials Horizons</i> , 2014, 1, 46-57.	6.4	411
3	Confining isolated chromophores for highly efficient blue phosphorescence. <i>Nature Materials</i> , 2021, 20, 1539-1544.	13.3	257
4	Nano-photosensitizer based on layered double hydroxide and isophthalic acid for singlet oxygenation and photodynamic therapy. <i>Nature Communications</i> , 2018, 9, 2798.	5.8	231
5	Two-Component Molecular Materials of 2,5-Diphenyloxazole Exhibiting Tunable Ultraviolet/Blue Polarized Emission, Pump-enhanced Luminescence, and Mechanochromic Response. <i>Advanced Functional Materials</i> , 2014, 24, 587-594.	7.8	190
6	Polymeric electrochromic materials with donor-acceptor structures. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12-28.	2.7	190
7	Multicolored Fluorescence Switching of ICT-Type Organic Solids with Clear Color Difference: Mechanically Controlled Excited State. <i>Chemistry - A European Journal</i> , 2015, 21, 2474-2479.	1.7	189
8	A three-dimensional nickel-chromium layered double hydroxide micro/nanosheet array as an efficient and stable bifunctional electrocatalyst for overall water splitting. <i>Nanoscale</i> , 2018, 10, 19484-19491.	2.8	181
9	Excitation Wavelength Dependent Fluorescence of an ESIPT Triazole Derivative for Amine Sensing and Anti-Counterfeiting Applications. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8773-8778.	7.2	168
10	Hierarchical CoFe-layered double hydroxide and $g\text{-C}_3\text{N}_4$ heterostructures with enhanced bifunctional photo/electrocatalytic activity towards overall water splitting. <i>Materials Chemistry Frontiers</i> , 2019, 3, 520-531.	3.2	167
11	Layered Host-Guest Materials with Reversible Piezochromic Luminescence. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7037-7040.	7.2	165
12	Highly Efficient Ultralong Organic Phosphorescence through Intramolecular-Space Heavy-Atom Effect. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 595-600.	2.1	130
13	A donor-acceptor cruciform π -system: high contrast mechanochromic properties and multicolour electrochromic behavior. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5365.	2.7	129
14	Smart Luminescent Coordination Polymers toward Multimode Logic Gates: Time-Resolved, Tribochromic and Excitation-Dependent Fluorescence/Phosphorescence Emission. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17399-17407.	4.0	102
15	Facile formation of 2D $\text{Co}_2\text{P}@/\text{Co}_3\text{O}_4$ microsheets through in-situ topotactic conversion and surface corrosion: Bifunctional electrocatalysts towards overall water splitting. <i>Journal of Power Sources</i> , 2018, 374, 142-148.	4.0	102
16	Cyanostilben-based derivatives: mechanical stimuli-responsive luminophors with aggregation-induced emission enhancement. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 1414-1421.	1.6	83
17	Heating and mechanical force-induced luminescence on/off switching of arylamine derivatives with highly distorted structures. <i>Journal of Materials Chemistry C</i> , 2014, 2, 195-200.	2.7	83
18	Polymorphic crystals and their luminescence switching of triphenylacrylonitrile derivatives upon solvent vapour, mechanical, and thermal stimuli. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3049-3054.	2.7	79

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19	Ultrasound-Assisted Construction of Halogen-Bonded Nanosized Cocrystals That Exhibit Thermosensitive Luminescence. <i>Chemistry - A European Journal</i> , 2013, 19, 8213-8219.	1.7	75
20	Mechanochromic and thermochromic fluorescent properties of Cyanostilbene derivatives. <i>Dyes and Pigments</i> , 2013, 98, 486-492.	2.0	74
21	Unique torsional cruciform π -architectures composed of donor and acceptor axes exhibiting mechanochromic and electrochromic properties. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3356-3363.	2.7	73
22	Two-component molecular cocrystals of 9-acetylanthracene with highly tunable one-/two-photon fluorescence and aggregation induced emission. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2527-2534.	2.7	71
23	Recent advances in photofunctional polymorphs of molecular materials. <i>Chinese Chemical Letters</i> , 2019, 30, 1908-1922.	4.8	69
24	Red to Near-Infrared Mechanochromism from Metal-free Polycrystals: Noncovalent Conformational Locks Facilitating Wide-Range Redshift. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8510-8514.	7.2	69
25	Flexible Self-Supporting Nanofibers Thin Films Showing Reversible Photochromic Fluorescence. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 9904-9910.	4.0	63
26	A highly emissive AIE-active luminophore exhibiting deep-red to near-infrared piezochromism and high-quality lasing. <i>Chemical Science</i> , 2020, 11, 4007-4015.	3.7	61
27	Fluorescence mutation and structural evolution of a π -conjugated molecular crystal during phase transition. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1257-1262.	2.7	58
28	Multi-Mode and Dynamic Persistent Luminescence from Metal Cytosine Halides through Balancing Excited-State Proton Transfer. <i>Advanced Science</i> , 2022, 9, e2200992.	5.6	55
29	Ratiometric pressure sensors based on cyano-substituted oligo(p-phenylene vinylene) derivatives in the hybridized local and charge-transfer excited state. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9954-9960.	2.7	49
30	Solid-State TICT-Emissive Cruciform: Aggregation-Enhanced Emission, Deep-Red to Near-Infrared Piezochromism and Imaging In Vivo. <i>Advanced Optical Materials</i> , 2018, 6, 1800956.	3.6	48
31	Heating and mechanical force-induced λ_{em} -fluorescence of cyanostilbene derivative with H-type stacking. <i>CrystEngComm</i> , 2013, 15, 8998.	1.3	47
32	Construction of Co/Co ₃ O ₄ @C ternary core-branch arrays as enhanced anode materials for lithium ion batteries. <i>Journal of Power Sources</i> , 2015, 293, 585-591.	4.0	47
33	Two-Component Aggregation-Induced Emission Materials: Tunable One/Two-Photon Luminescence and Stimuli-Responsive Switches by Co-Crystal Formation. <i>Advanced Optical Materials</i> , 2018, 6, 1800445.	3.6	46
34	Two-Component Orderly Molecular Hybrids of Diphenylanthracene: Modulation of Solid-State Aggregation toward Tunable Photophysical Properties and Highly Enhanced Electrochemiluminescence. <i>Advanced Optical Materials</i> , 2016, 4, 2139-2147.	3.6	45
35	Organic microbelt array based on hydrogen-bond architecture showing polarized fluorescence and two-photon emission. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4138.	2.7	44
36	Piezochromic luminescence of AIE-active molecular co-crystals: tunable multiple hydrogen bonding and molecular packing. <i>Journal of Materials Chemistry C</i> , 2018, 6, 9660-9666.	2.7	44

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37	Deep-red fluorescence from isolated dimers: a highly bright excimer and imaging <i>in vivo</i> . <i>Chemical Science</i> , 2020, 11, 6020-6025.	3.7	44
38	Solvatochromic fluorescent carbon dots as optic noses for sensing volatile organic compounds. <i>RSC Advances</i> , 2016, 6, 83501-83504.	1.7	43
39	Highly Bright Fluorescence from Dispersed Dimers: Deep-Red Polymorphs and Wide-Range Piezochromism. <i>Advanced Optical Materials</i> , 2020, 8, 1901836.	3.6	41
40	Highly efficient luminescent E- and Z-isomers with stable configurations under photoirradiation induced by their charge transfer excited states. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8097-8104.	2.7	40
41	Construction of carbon nanoflakes shell on CuO nanowires core as enhanced core/shell arrays anode of lithium ion batteries. <i>Electrochimica Acta</i> , 2015, 178, 574-579.	2.6	38
42	High-performance asymmetric supercapacitors based on core/shell cobalt oxide/carbon nanowire arrays with enhanced electrochemical energy storage. <i>Electrochimica Acta</i> , 2014, 133, 522-528.	2.6	37
43	Tunable Self-Assembled Micro/Nanostructures of Carboxyl-Functionalized Squarylium Cyanine for Ammonia Sensing. <i>Advanced Functional Materials</i> , 2015, 25, 7442-7449.	7.8	37
44	Excitation Wavelength Dependent Fluorescence of an ESIPT Triazole Derivative for Amine Sensing and Anti-Counterfeiting Applications. <i>Angewandte Chemie</i> , 2019, 131, 8865-8870.	1.6	36
45	Multicolored electrochromic copolymer based on 1,4-di(thiophen-3-yl)benzene and 3,4-ethylenedioxythiophene. <i>Journal of Electroanalytical Chemistry</i> , 2011, 653, 21-26.	1.9	35
46	Stretchable nanofibrous membranes for colorimetric/fluorometric HCl sensing: Highly sensitive charge-transfer excited state. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 785-794.	4.0	34
47	Clear piezochromic behaviors of AIE-active organic powders under hydrostatic pressure. <i>RSC Advances</i> , 2016, 6, 1188-1193.	1.7	32
48	Effect of stacking mode on the mechanofluorochromic properties of 3-aryl-2-cyano acrylamide derivatives. <i>New Journal of Chemistry</i> , 2015, 39, 659-663.	1.4	29
49	Emission enhancement and high sensitivity of a π -conjugated dye towards pressure: the synergistic effect of supramolecular interactions and H-aggregation. <i>Chemical Communications</i> , 2019, 55, 4735-4738.	2.2	28
50	Carbon cloth supported vanadium pentoxide nanoflake arrays as high-performance cathodes for lithium ion batteries. <i>Electrochimica Acta</i> , 2014, 149, 349-354.	2.6	26
51	Multicolour Fluorescence Based on Excitation-Dependent Electron Transfer Processes in π -Carborane Dyads. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202115551.	7.2	26
52	Phenothiazine-based covalent organic frameworks with low exciton binding energies for photocatalysis. <i>Chemical Science</i> , 2022, 13, 8679-8685.	3.7	25
53	Highly efficient and stable deep-blue room temperature phosphorescence via through-space conjugation. <i>Chemical Engineering Journal</i> , 2022, 442, 136179.	6.6	23
54	Electrochemical and electrochromic properties of two novel polymers containing carbazole and phenyl-methanone units. <i>Journal of Electroanalytical Chemistry</i> , 2013, 689, 291-296.	1.9	19

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55	High Contrast and Bright Emission Piezochromic Fluorescence in Organic Crystals via Pressure Modulated Exciton Coupling Effect. <i>Advanced Optical Materials</i> , 2021, 9, 2100598.	3.6	19
56	Design of Persistent and Stable Porous Radical Polymers by Electronic Isolation Strategy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24424-24429.	7.2	18
57	In-situ electro-polymerization of fluorescent electrochromic thin films based on charge-transfer complexes. <i>Chemical Engineering Journal</i> , 2022, 428, 132625.	6.6	17
58	Fluorescent nanoparticles with ultralow chromophore loading for long-term tumor-targeted imaging. <i>Acta Biomaterialia</i> , 2020, 111, 398-405.	4.1	17
59	Excitation-wavelength-dependent anti-thermal quenching of upconversion luminescence in hexagonal NaGdF ₄ :Nd ³⁺ /Yb ³⁺ /Er ³⁺ nanocrystals. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5109-5115.	2.7	17
60	Electrochemical and electrochromic properties of a novel copolymer based on perylene and EDOT. <i>Optical Materials</i> , 2012, 34, 1529-1534.	1.7	16
61	Electrochemical and electrochromic properties of bilayer polymer films prepared by electrochemical polymerization based on star-shaped thiophene derivatives. <i>New Journal of Chemistry</i> , 2019, 43, 9566-9573.	1.4	16
62	Stimuli-responsive fluorescence based on the solid-state bis[2-(2-benzothiazoly)phenolato]zinc(II) complex and its fiber thin film. <i>RSC Advances</i> , 2015, 5, 56470-56477.	1.7	15
63	Ratiometric Piezochromism of Electrospun Polymer Films: Intermolecular Interactions for Enhanced Sensitivity and Color Difference. <i>ChemPlusChem</i> , 2018, 83, 132-139.	1.3	14
64	Swivel-Cruciform Configuration Induced Electrochromic Fast Switching Property of Donor-Acceptor Conjugated Polymer Containing 5,5'-Bibenzothiadiazole. <i>Journal of the Electrochemical Society</i> , 2018, 165, H342-H347.	1.3	13
65	From a polyoxotitanium cage to TiO ₂ /C composites, a novel strategy for nanoporous materials. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1837-1840.	5.2	10
66	Organogelator based on long alkyl chain attached excimer precursor: Two channels of TICT, highly efficient and switchable luminescence. <i>Dyes and Pigments</i> , 2020, 180, 108433.	2.0	10
67	Black-Transmissive Electrochromism in Conjugated Polymer-Based Materials and Devices. <i>Advanced Photonics Research</i> , 2022, 3, 2000199.	1.7	10
68	Multicolour Fluorescence Based on Excitation-Dependent Electron Transfer Processes in o-Carborane Dyads. <i>Angewandte Chemie</i> , 0, , .	1.6	10
69	A Fluorescent Chemosensor with a Hybridized Local and Charge Transfer Nature and Aggregation-Induced Emission Effect for the Detection of Picric Acid. <i>ChemistrySelect</i> , 2019, 4, 2868-2873.	0.7	9
70	Red to Near-Infrared Mechanochromism from Metal-Free Polycrystals: Noncovalent Conformational Locks Facilitating Wide-Range Redshift. <i>Angewandte Chemie</i> , 2021, 133, 8591-8595.	1.6	9
71	Design of Persistent and Stable Porous Radical Polymers by Electronical Isolation Strategy. <i>Angewandte Chemie</i> , 2021, 133, 24629.	1.6	8
72	Integrated electrochromic and electrofluorochromic properties from polyaniline-like polymers with triphenylacrylonitrile as side groups. <i>Electrochimica Acta</i> , 2022, 421, 140443.	2.6	8

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73	Organic Luminophores Exhibiting Bimodal Emissions of Fluorescence and Room-Temperature Phosphorescence for Versatile Applications. <i>ChemistrySelect</i> , 2020, 5, 12770-12776.	0.7	7
74	Noncrystalline blue-emitting 9,10-diphenylanthracene end-capped with triphenylamine-substituted fluorene. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 227, 59-64.	2.0	6
75	Highly Twisted Isomers of Triphenylacrylonitrile Derivatives with High Emission Efficiency and Mechanochromic Behavior. <i>ChemPhysChem</i> , 2017, 18, 1481-1485.	1.0	6
76	Piezochromism of cyanostilbene derivatives: a small structural alteration makes a big photophysical difference. <i>New Journal of Chemistry</i> , 2021, 45, 12895-12901.	1.4	5
77	Rich-colour mechanochromism of a cyanostilbene derivative with chiral self-assembly. <i>New Journal of Chemistry</i> , 0, , .	1.4	3
78	Deep-Red Fluorescence from AIE-Active Luminophore: High-Brightness and Wide-Range Piezochromism**. <i>ChemistrySelect</i> , 2022, 7, .	0.7	3
79	Red to near-infrared piezochromism from AIE-active luminophores: isolated dimers facilitating a wide-range redshift. <i>New Journal of Chemistry</i> , 2022, 46, 7741-7747.	1.4	2
80	Novel nonplanar triphenylamine-centered oligofluorenes: Synthesis, thermal, photophysical and electrochemical properties. <i>Journal of Luminescence</i> , 2011, 131, 1758-1764.	1.5	1
81	Near-Infrared Colorimetric and Ratiometric Fluorescence Sensor for Fluoride Ions. <i>ChemistrySelect</i> , 2022, 7, .	0.7	0