

# Juan Zhao

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

4,745  
citations

159585  
30  
h-index

182427  
51  
g-index

53  
all docs

53  
docs citations

53  
times ranked

4410  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybridized Local and Charge-Transfer Excited-State Fluorophores through the Regulation of the Donor–Acceptor Torsional Angle for Highly Efficient Organic Light-Emitting Diodes. <i>CCS Chemistry</i> , 2022, 4, 1284-1294.	7.8	42
2	From para to ortho: Incarnating conventional TADF molecules into AIE-TADF molecules for highly-efficient non-doped OLEDs. <i>Chemical Engineering Journal</i> , 2022, 442, 136219.	12.7	10
3	AIE luminogens exhibiting thermally activated delayed fluorescence. , 2022, , 275-314.		0
4	Asymmetric Thermally Activated Delayed Fluorescence Materials Rendering High-performance OLEDs Through both Thermal Evaporation and Solution-processing. <i>Chemical Research in Chinese Universities</i> , 2022, 38, 1526-1531.	2.6	2
5	Asymmetric Thermally Activated Delayed Fluorescence Emitter for Highly Efficient Red/Near-Infrared Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 33606-33613.	8.0	14
6	A Multi-Stimuli-Responsive Molecule with Responses to Light, Oxygen, and Mechanical Stress through Flexible Tuning of Triplet Excitons. <i>Advanced Optical Materials</i> , 2021, 9, 2001550.	7.3	32
7	Sensitive and Repeatable Photoinduced Luminescent Radicals from a Simple Organic Crystal. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6367-6371.	13.8	46
8	Sulfonyldibenzene-based hole-transporting materials for efficient n-i-p perovskite solar cells. <i>Science China Chemistry</i> , 2021, 64, 127-133.	8.2	8
9	Sensitive and Repeatable Photoinduced Luminescent Radicals from a Simple Organic Crystal. <i>Angewandte Chemie</i> , 2021, 133, 6437-6441.	2.0	6
10	A color-tunable single-component luminescent molecule with multiple emission centers. <i>Chemical Science</i> , 2021, 12, 9201-9206.	7.4	32
11	Rigid Polyimides with Thermally Activated Delayed Fluorescence for Polymer Light-Emitting Diodes with High External Quantum Efficiency up to 21%. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7220-7226.	13.8	34
12	Rigid Polyimides with Thermally Activated Delayed Fluorescence for Polymer Light-Emitting Diodes with High External Quantum Efficiency up to 21%. <i>Angewandte Chemie</i> , 2021, 133, 7296-7302.	2.0	6
13	Invited Paper: The Development of High-Efficiency Pure Organic Light-Emitting Materials and High-Performance White OLEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2021, 52, 353-356.	0.3	1
14	An Effective Strategy of Combining Surface Passivation and Secondary Grain Growth for Highly Efficient and Stable Perovskite Solar Cells. <i>Small</i> , 2021, 17, e2100678.	10.0	23
15	Dopant-Free Hole-Transporting Material with Enhanced Intermolecular Interaction for Efficient and Stable n-i-p Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2021, 11, 2100967.	19.5	51
16	Hybridized local and charge-transfer excited state fluorophores enabling organic light-emitting diodes with record high efficiencies close to 20%. <i>Chemical Science</i> , 2021, 12, 5171-5176.	7.4	66
17	Reversible and Continuous Color-Tunable Persistent Luminescence of Metal-Free Organic Materials by Self-Interface Energy Transfer. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 5073-5080.	8.0	45
18	Selective Expression of Chromophores in a Single Molecule: Soft Organic Crystals Exhibiting Full-Colour Tunability and Dynamic Triplet-Exciton Behaviours. <i>Angewandte Chemie</i> , 2020, 132, 3768-3774.	2.0	24

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19	Selective Expression of Chromophores in a Single Molecule: Soft Organic Crystals Exhibiting Full-Colour Tunability and Dynamic Triplet-Exciton Behaviours. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3739-3745.	13.8	128
20	Boosting the Quantum Efficiency of Ultralong Organic Phosphorescence up to 52% via Intramolecular Halogen Bonding. <i>Angewandte Chemie</i> , 2020, 132, 17604-17608.	2.0	55
21	Asymmetric Sulfonyldibenzene-Based Hole-Transporting Materials for Efficient Perovskite Solar Cells: Inspiration from Organic Thermally-Activated Delayed Fluorescence Molecules. , 2020, 2, 1093-1100.		16
22	Activating Versatile Mechanoluminescence in Organic Host-Guest Crystals by Controlling Exciton Transfer. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22645-22651.	13.8	31
23	Activating Versatile Mechanoluminescence in Organic Host-Guest Crystals by Controlling Exciton Transfer. <i>Angewandte Chemie</i> , 2020, 132, 22834-22840.	2.0	4
24	Preserving High-Efficiency Luminescence Characteristics of an Aggregation-Induced Emission-Active Fluorophore in Thermostable Amorphous Polymers. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 34198-34207.	8.0	20
25	Boosting the Quantum Efficiency of Ultralong Organic Phosphorescence up to 52% via Intramolecular Halogen Bonding. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17451-17455.	13.8	253
26	Modulation of $\pi$ -linkers in asymmetric thermally activated delayed fluorescence molecules enabling high performance OLEDs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3663-3668.	5.5	24
27	Enabling dynamic ultralong organic phosphorescence in molecular crystals through the synergy between intramolecular and intermolecular interactions. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7384-7392.	5.5	27
28	Instrument-free and visual detection of organophosphorus pesticide using a smartphone by coupling aggregation-induced emission nanoparticle and two-dimension MnO <sub>2</sub> nanoflake. <i>Biosensors and Bioelectronics</i> , 2020, 170, 112668.	10.1	46
29	An exceptionally flexible hydrogen-bonded organic framework with large-scale void regulation and adaptive guest accommodation abilities. <i>Nature Communications</i> , 2019, 10, 3074.	12.8	142
30	Performance enhancement in up-conversion nanoparticle-embedded perovskite solar cells by harvesting near-infrared sunlight. <i>Materials Chemistry Frontiers</i> , 2019, 3, 2058-2065.	5.9	23
31	A sterically hindered asymmetric D <sup>+</sup> -A <sup>-</sup> -D <sup>2+</sup> thermally activated delayed fluorescence emitter for highly efficient non-doped organic light-emitting diodes. <i>Chemical Science</i> , 2019, 10, 8129-8134.	7.4	102
32	Nondoped Red Fluorophores with Hybridized Local and Charge-Transfer State for High-Performance Fluorescent White Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 39026-39034.	8.0	55
33	The methylation effect in prolonging the pure organic room temperature phosphorescence lifetime. <i>Chemical Science</i> , 2019, 10, 179-184.	7.4	107
34	Simultaneous enhancement in performance and UV-light stability of organic-inorganic perovskite solar cells using a samarium-based down conversion material. <i>Journal of Materials Chemistry A</i> , 2019, 7, 322-329.	10.3	42
35	Two-photon-excited ultralong organic room temperature phosphorescence by dual-channel triplet harvesting. <i>Chemical Science</i> , 2019, 10, 7352-7357.	7.4	98
36	Achievement of persistent and efficient organic room-temperature phosphorescence with temperature-response by adjusting the proportion of excited-state configurations in coupled molecules. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8250-8254.	5.5	20

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37	A promising europium-based down conversion material: organic-inorganic perovskite solar cells with high photovoltaic performance and UV-light stability. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6467-6474.	10.3	43
38	Inorganic perovskite engineering through incorporation of a carboxylic acid containing ligand for performance enhancement in perovskite light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2019, 7, 14141-14147.	5.5	2
39	Tuning the organic persistent room-temperature phosphorescence through aggregated states. <i>Journal of Materials Chemistry C</i> , 2019, 7, 15219-15224.	5.5	25
40	Highly-Efficient Doped and Nondoped Organic Light-Emitting Diodes with External Quantum Efficiencies over 20% from a Multifunctional Green Thermally Activated Delayed Fluorescence Emitter. <i>Journal of Physical Chemistry C</i> , 2019, 123, 1015-1020.	3.1	42
41	Recent developments of truly stretchable thin film electronic and optoelectronic devices. <i>Nanoscale</i> , 2018, 10, 5764-5792.	5.6	91
42	Flexible Multifunctional Aromatic Polyimide Film: Highly Efficient Photoluminescence, Resistive Switching Characteristic, and Electroluminescence. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 11430-11435.	8.0	33
43	Recent advances in mechano-responsive luminescence of tetraphenylethylene derivatives with aggregation-induced emission properties. <i>Materials Chemistry Frontiers</i> , 2018, 2, 861-890.	5.9	339
44	Mechano-induced persistent room-temperature phosphorescence from purely organic molecules. <i>Chemical Science</i> , 2018, 9, 3782-3787.	7.4	97
45	Efficient triplet harvesting in fluorescence-TADF hybrid warm-white organic light-emitting diodes with a fully non-doped device configuration. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4257-4264.	5.5	41
46	An efficient yellow thermally activated delayed fluorescence emitter with universal applications in both doped and non-doped organic light-emitting diodes. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1017-1023.	5.9	39
47	Recent progress in the mechanofluorochromism of cyanoethylene derivatives with aggregation-induced emission. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6327-6353.	5.5	198
48	Recent progress in the mechanofluorochromism of distyrylanthracene derivatives with aggregation-induced emission. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1595-1608.	5.9	141
49	Alkyl Chain Introduction: In Situ Solar Renewable Colorful Organic Mechanoluminescence Materials. <i>Angewandte Chemie</i> , 2018, 130, 12909-12914.	2.0	20
50	Alkyl Chain Introduction: In Situ Solar Renewable Colorful Organic Mechanoluminescence Materials. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12727-12732.	13.8	103
51	Organic Mechanoluminescence with Aggregation-Induced Emission. <i>Chemistry - an Asian Journal</i> , 2018, 13, 3106-3121.	3.3	49
52	Recent advances in organic thermally activated delayed fluorescence materials. <i>Chemical Society Reviews</i> , 2017, 46, 915-1016.	38.1	1,815
53	An AEE-active polymer containing tetraphenylethene and 9,10-distyrylanthracene moieties with remarkable mechanochromism. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017, 35, 282-292.	3.8	32