

Lei Zhao

List of Publications by Year in descending order

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888
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#	ARTICLE	IF	CITATIONS
1	Design of star-shaped molecular architectures based on carbazole and phosphine oxide moieties: towards amorphous bipolar hosts with high triplet energy for efficient blue electrophosphorescent devices. <i>Journal of Materials Chemistry</i> , 2010, 20, 8126.	6.7	131
2	Novel boron- and sulfur-doped polycyclic aromatic hydrocarbon as multiple resonance emitter for ultrapure blue thermally activated delayed fluorescence polymers. <i>Science China Chemistry</i> , 2021, 64, 547-551.	8.2	76
3	Bridging Small Molecules to Conjugated Polymers: Efficient Thermally Activated Delayed Fluorescence with a Methyl-Substituted Phenylene Linker. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1320-1326.	13.8	66
4	Sterically-Locked Donor-Acceptor Conjugated Polymers Showing Efficient Thermally Activated Delayed Fluorescence. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9635-9641.	13.8	61
5	An Electroactive Pure Organic Room-Temperature Phosphorescence Polymer Based on a Donor-Oxygen-Acceptor Geometry. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2455-2463.	13.8	60
6	Poly(spirobifluorene)s Containing Nonconjugated Diphenylsulfone Moiety: Toward Blue Emission Through a Weak Charge Transfer Effect. <i>Macromolecules</i> , 2014, 47, 2907-2914.	4.8	48
7	Solid-solid interface growth of conductive metal-organic framework nanowire arrays and their supercapacitor application. <i>Materials Chemistry Frontiers</i> , 2020, 4, 243-251.	5.9	48
8	High-Energy-Level Blue Phosphor for Solution-Processed White Organic Light-Emitting Diodes with Efficiency Comparable to Fluorescent Tubes. <i>IScience</i> , 2018, 6, 128-137.	4.1	46
9	Meta Junction Promoting Efficient Thermally Activated Delayed Fluorescence in Donor-Acceptor Conjugated Polymers. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17903-17909.	13.8	45
10	Solution processable red iridium dendrimers containing oligocarbazole dendrons for efficient nondoped and doped phosphorescent OLEDs. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9753-9760.	5.5	43
11	Stable and efficient deep-blue terfluorenes functionalized with carbazole dendrons for solution-processed organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8895-8903.	5.5	42
12	Impact of the coal banning zone on visibility in the Beijing-Tianjin-Hebei region. <i>Science of the Total Environment</i> , 2019, 692, 402-410.	8.0	36
13	Highly emissive carbazole-functionalized homopoly(spirobifluorene) for deep-blue polymer light-emitting diodes. <i>Polymer Chemistry</i> , 2017, 8, 2182-2188.	3.9	26
14	Improving the Power Efficiency of Solution-Processed Phosphorescent WOLEDs with a Self-Host Blue Iridium Dendrimer. <i>Advanced Optical Materials</i> , 2017, 5, 1700514.	7.3	19
15	Tunable charge transfer effect in poly(spirobifluorene)s with different electron-rich side chains. <i>Polymer Chemistry</i> , 2014, 5, 6444-6451.	3.9	18
16	Multiple Resonance Dendrimers Containing Boron, Oxygen, Nitrogen-Doped Polycyclic Aromatic Emitters for Narrowband Blue-Emitting Solution-Processed OLEDs. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2200079.	3.9	16
17	Bridging Small Molecules to Conjugated Polymers: Efficient Thermally Activated Delayed Fluorescence with a Methyl-Substituted Phenylene Linker. <i>Angewandte Chemie</i> , 2020, 132, 1336-1342.	2.0	14
18	Sterically-Locked Donor-Acceptor Conjugated Polymers Showing Efficient Thermally Activated Delayed Fluorescence. <i>Angewandte Chemie</i> , 2021, 133, 9721-9727.	2.0	14

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19	An alcohol-soluble and ion-free electron transporting material functionalized with phosphonate groups for solution-processed multilayer PLEDs. <i>Chemical Communications</i> , 2016, 52, 12052-12055.	4.1	12
20	Uncovering the mechanisms of <i>Caenorhabditis elegans</i> ageing from global quantification of the underlying landscape. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20160421.	3.4	11
21	Green-Light-Emitting Poly(Spirobifluorene)s with an Electron-Rich Unit in the Side Chain and an Electron-Deficient Unit in the Main Chain. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 1107-1115.	2.2	9
22	Meta Junction Promoting Efficient Thermally Activated Delayed Fluorescence in Donor-Acceptor Conjugated Polymers. <i>Angewandte Chemie</i> , 2020, 132, 18059-18065.	2.0	9
23	An Electroactive Pure Organic Room-Temperature Phosphorescence Polymer Based on a Donor-Oxygen-Acceptor Geometry. <i>Angewandte Chemie</i> , 2021, 133, 2485-2493.	2.0	9
24	Solution-Processible Blue Fluorescent Dendrimers with Carbazole/Diphenylamine Hybrid Dendrons for Power-Efficient Organic Light-Emitting Diodes. <i>ACS Omega</i> , 2019, 4, 15923-15928.	3.5	8
25	Indenofluorene- and carbazole-based copolymers for blue PLEDs with simultaneous high efficiency and good color purity. <i>Journal of Materials Chemistry C</i> , 2020, 8, 14819-14825.	5.5	6
26	Solution processible triphenylphosphine-oxide-cored dendritic hosts featuring thermally activated delayed fluorescence for power-efficient blue electrophosphorescent devices. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9850-9855.	5.5	5
27	Searching for the Mechanisms of Mammalian Cellular Aging Through Underlying Gene Regulatory Networks. <i>Frontiers in Genetics</i> , 2020, 11, 593.	2.3	4
28	Calibration of the span of Himawari-8 AOD products in eastern China. <i>Remote Sensing Letters</i> , 2021, 12, 1136-1146.	1.4	4
29	Trap-Controlled White Electroluminescence From a Single Red-Emitting Thermally Activated Delayed Fluorescence Polymer. <i>Frontiers in Chemistry</i> , 2020, 8, 287.	3.6	2