

# Lei Zhao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2058268/publications.pdf>

Version: 2024-02-01

29  
papers

888  
citations

567281

15  
h-index

477307

29  
g-index

30  
all docs

30  
docs citations

30  
times ranked

858  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | 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        |
| 2  | 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        |
| 3  | 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         |
| 4  | 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        |
| 5  | Sterically-Locked Donor-Acceptor Conjugated Polymers Showing Efficient Thermally Activated Delayed Fluorescence. <i>Angewandte Chemie</i> , 2021, 133, 9721-9727.  | 2.0  | 14        |
| 6  | 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        |
| 7  | Calibration of the span of Himawari-8 AOD products in eastern China. <i>Remote Sensing Letters</i> , 2021, 12, 1136-1146.  | 1.4  | 4         |
| 8  | 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        |
| 9  | 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        |
| 10 | 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        |
| 11 | 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         |
| 12 | 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        |
| 13 | Meta Junction Promoting Efficient Thermally Activated Delayed Fluorescence in Donor-Acceptor Conjugated Polymers. <i>Angewandte Chemie</i> , 2020, 132, 18059-18065.   | 2.0  | 9         |
| 14 | Searching for the Mechanisms of Mammalian Cellular Aging Through Underlying Gene Regulatory Networks. <i>Frontiers in Genetics</i> , 2020, 11, 593.  | 2.3  | 4         |
| 15 | 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         |
| 16 | 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         |
| 17 | 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        |
| 18 | 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         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | 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        |
| 20 | Highly emissive carbazole-functionalized homopoly(spirobifluorene) for deep-blue polymer light-emitting diodes. <i>Polymer Chemistry</i> , 2017, 8, 2182-2188.  | 3.9 | 26        |
| 21 | 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        |
| 22 | 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        |
| 23 | 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        |
| 24 | 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        |
| 25 | 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        |
| 26 | 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         |
| 27 | 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        |
| 28 | 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        |
| 29 | 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       |