

Kunping Guo

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

976
citations

623734

14
h-index

434195

31
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49
all docs

49
docs citations

49
times ranked

1678
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Switching the resistive memory behavior from binary to ternary logic via subtle polymer donor and molecular acceptor design. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5643-5651. | 5.5 | 16 |
| 2 | Toward Improved Device Efficiency and Stability of Organic Light-Emitting Diodes via External Pressure Treatment. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2100120. | 1.8 | 1 |
| 3 | Non-toxic near-infrared light-emitting diodes. <i>IScience</i> , 2021, 24, 102545. | 4.1 | 14 |
| 4 | Toward Improved Device Efficiency and Stability of Organic Light-Emitting Diodes via External Pressure Treatment. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2170042. | 1.8 | 0 |
| 5 | Molecular Encapsulation of Naphthalene Diimide (NDI) Based Conjugated Polymers: A Tool for Understanding Photoluminescence. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25005-25012. | 13.8 | 18 |
| 6 | Decrease of intermolecular interactions for less-doped efficient deep blue monomer light-emitting diodes. <i>Organic Electronics</i> , 2020, 78, 105577. | 2.6 | 8 |
| 7 | Lanthanide-Induced Photoluminescence in Lead-Free Cs ₂ AgBiBr ₆ Bulk Perovskite: Insights from Optical and Theoretical Investigations. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8893-8900. | 4.6 | 38 |
| 8 | Reliability of organic light-emitting diodes in low-temperature environment*. <i>Chinese Physics B</i> , 2020, 29, 128503. | 1.4 | 4 |
| 9 | Additive solution deposition of multi-layered semiconducting polymer films for design of sophisticated device architectures. <i>Journal of Materials Chemistry C</i> , 2019, 7, 953-960. | 5.5 | 10 |
| 10 | Highly efficient and foldable top-emission organic light-emitting diodes based on Ag-nanoparticles modified graphite electrode. <i>Organic Electronics</i> , 2019, 64, 146-153. | 2.6 | 22 |
| 11 | Easily available, low-cost 9,9-bianthracene derivatives as efficient blue hosts and deep-blue emitters in OLEDs. <i>Organic Electronics</i> , 2019, 66, 24-31. | 2.6 | 19 |
| 12 | Color tunable and very-high color rendering white organic light-emitting diodes employing a heavy-metal-free single emitter. <i>Surface and Coatings Technology</i> , 2019, 363, 442-446. | 4.8 | 0 |
| 13 | Functional versatile bipolar 3,3-dimethyl-9,9-bianthracene derivatives as an efficient host and deep-blue emitter. <i>Dyes and Pigments</i> , 2018, 148, 329-340. | 3.7 | 25 |
| 14 | Efficient Solution-Processed Inverted Organic Light-Emitting Diodes by Using Polyethyleneimine as Interface Layer. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1800138. | 1.8 | 6 |
| 15 | Carrier transfer and luminescence characteristics of thickness-dependent organic light-emitting diodes using transporting material as the host of emitting layer. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1600689. | 1.8 | 2 |
| 16 | Efficiency enhancement in DIBSQ:PC71BM organic photovoltaic cells by using Liq-doped Bphen as a cathode buffer layer. <i>Frontiers of Materials Science</i> , 2017, 11, 233-240. | 2.2 | 6 |
| 17 | Organic light-emitting diodes using novel embedded Al-gird transparent electrodes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 87, 118-122. | 2.7 | 8 |
| 18 | High-performance color-tunable red organic light-emitting diodes for the application of an advanced adaptive rear-lighting system. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 651, 126-132. | 0.9 | 0 |

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|----|---|------|-----------|
| 19 | Enhanced performance in inverted organic light-emitting diodes using Li ion doped ZnO cathode buffer layer. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 651, 118-125. | 0.9 | 6 |
| 20 | High-performance flexible inverted organic light-emitting diodes by exploiting MoS ₂ nanopillar arrays as electron-injecting and light-coupling layers. <i>Nanoscale</i> , 2017, 9, 14602-14611. | 5.6 | 32 |
| 21 | Iridium(III) complexes bearing oxadiazol-substituted amide ligands: color tuning and application in highly efficient phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9146-9156. | 5.5 | 31 |
| 22 | Stable green phosphorescence organic light-emitting diodes with low efficiency roll-off using a novel bipolar thermally activated delayed fluorescence material as host. <i>Chemical Science</i> , 2017, 8, 1259-1268. | 7.4 | 77 |
| 23 | Low-energy consumption and high-color-quality white organic light-emitting diodes. , 2017, , . | | 1 |
| 24 | Lasing and Transport Properties of Poly[(9,9-dioctyl-2,7-divinylene-fluorenylene)-alt-co-(2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylene)] (POFP) for the Application of Diode-Pumped Organic Solid Lasers. <i>Nanoscale Research Letters</i> , 2017, 12, 602. | 5.7 | 6 |
| 25 | Simulation of Transient Delay Time in Organic LEDs and Application for Signal Transmission. <i>Chinese Journal of Luminescence</i> , 2017, 38, 188-193. | 0.5 | 0 |
| 26 | High-Performance Organic Photovoltaics Using Solution-Processed Graphene Oxide. <i>Guangxue Xuebao/Acta Optica Sinica</i> , 2017, 37, 0416001. | 1.2 | 0 |
| 27 | Improved performance of polymer solar cells by using inorganic, organic, and doped cathode buffer layers. <i>Chinese Physics B</i> , 2016, 25, 038402. | 1.4 | 11 |
| 28 | Use of space interlayer in phosphorescent organic light-emitting diodes to improve efficiency and reduce efficiency roll-off. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 235105. | 2.8 | 5 |
| 29 | Sunlight-like white organic light-emitting diodes with inorganic/organic nanolaminate distributed Bragg reflector (DBR) anode microcavity by using atomic layer deposition. <i>Organic Electronics</i> , 2016, 33, 88-94. | 2.6 | 10 |
| 30 | Effect of periodically modified n-type electron transport layers on the optoelectrical performance of organic light-emitting diodes. <i>Materials Science in Semiconductor Processing</i> , 2016, 56, 272-276. | 4.0 | 2 |
| 31 | Temperature-dependent device performance of organic photovoltaic cells based on a squaraine dye. <i>Synthetic Metals</i> , 2016, 222, 293-298. | 3.9 | 13 |
| 32 | Extremely high external quantum efficiency of inverted organic light-emitting diodes with low operation voltage and reduced efficiency roll-off by using sulfide-based double electron injection layers. <i>RSC Advances</i> , 2016, 6, 55626-55634. | 3.6 | 21 |
| 33 | High-brightness blue organic light emitting diodes with different types of guest-host systems. <i>Optoelectronics Letters</i> , 2016, 12, 89-92. | 0.8 | 1 |
| 34 | Effect of inverted-pyramid shape on light extraction of organic light-emitting diodes. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 646-650. | 1.8 | 11 |
| 35 | Flexible electroluminescent fiber fabricated from coaxially wound carbon nanotube sheets. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5621-5624. | 5.5 | 69 |
| 36 | A colour-tunable, weavable fibre-shaped polymer light-emitting electrochemical cell. <i>Nature Photonics</i> , 2015, 9, 233-238. | 31.4 | 372 |

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|----|--|-----|-----------|
| 37 | High-Efficiency Red Phosphorescent Emitter and Its Application in Color-Tunable White Organic Light-Emitting Diodes. <i>Nanoscience and Nanotechnology Letters</i> , 2015, 7, 204-208. | 0.4 | 2 |
| 38 | Pure blue and white light electroluminescence in a multilayer organic light-emitting diode using a new blue emitter. <i>Chinese Physics B</i> , 2014, 23, 077802. | 1.4 | 6 |
| 39 | Three-peak standard white organic light-emitting devices for solid-state lighting. <i>Proceedings of SPIE</i> , 2014, , . | 0.8 | 1 |
| 40 | Carrier transfer and luminescence characteristics of concentration-dependent phosphorescent Ir(ppy) ₃ doped CBP film. <i>Optics and Laser Technology</i> , 2014, 56, 20-24. | 4.6 | 23 |
| 41 | A simple effective method to improve light out-coupling in organic light-emitting diodes by introducing pyramid-based texture structure. <i>Organic Electronics</i> , 2014, 15, 1113-1119. | 2.6 | 21 |
| 42 | Deep-blue, low-threshold amplified spontaneous emitting and high thermal stability binaphthyl derivatives. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 2372-2377. | 1.8 | 4 |
| 43 | Carrier transportation, photoluminescence and lasing characteristics of 1,4-bis[2-[4-[N,N-di(p-tolyl)amino]phenyl]vinyl]benzene: implications for diode-pumped organic solid-state lasers. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8131-8136. | 5.5 | 8 |
| 44 | High-Efficiency Near Ultraviolet and Blue Organic Light-Emitting Diodes Using Star-Shaped Material as Emissive and Hosting Molecules. <i>Journal of Display Technology</i> , 2014, 10, 642-646. | 1.2 | 23 |
| 45 | Individually Addressable Color-Tuning White Organic Light-Emitting Diodes. <i>Guangxue Xuebao/Acta Optica Sinica</i> , 2014, 34, 1023002. | 1.2 | 0 |
| 46 | Synthesis of asymmetric biphenyl derivatives for optoelectronic applications. <i>Optical Materials</i> , 2013, 35, 2095-2101. | 3.6 | 6 |
| 47 | Photoluminescence characteristics of organic molecules in the accelerated aging organic light-emitting diodes. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 2716-2719. | 1.8 | 14 |
| 48 | Molecular Encapsulation of Naphthalene Diimide (NDI) Based π -Conjugated Polymers: A Tool for Understanding Photoluminescence. <i>Angewandte Chemie</i> , 0, , . | 2.0 | 2 |
| 49 | Inverted organic photovoltaics with a solution-processed Mg-doped ZnO electron transport layer annealed at 150 Å°C. <i>Sustainable Energy and Fuels</i> , 0, , . | 4.9 | 1 |