

Weixia Lan

List of Publications by Year in descending order

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papers

513
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687363

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citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient and Ultravioletâ€Durable Nonfullerene Organic Solar Cells: From Interfacial Passivation and Microstructural Modification Perspectives. <i>Advanced Materials Interfaces</i> , 2022, 9, 2101894.	3.7	7
2	Self-alignment of microstructures based on lateral fluidic force generated by local spatial asymmetry inside a microfluidic channel. <i>AIP Advances</i> , 2022, 12, 035335.	1.3	1
3	High-Efficiency Organic Photovoltaic Cells With an Antimony Quantum Sheet Modified Hole Extraction Layer. <i>IEEE Journal of Photovoltaics</i> , 2021, 11, 111-117.	2.5	9
4	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
5	Toward Improved Device Efficiency and Stability of Organic Lightâ€Emitting Diodes via External Pressure Treatment. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2100120.	1.8	1
6	An antimonene modified hole extraction layer for high efficiency PEDOT:PSS-free nonfullerene organic solar cells. <i>Organic Electronics</i> , 2021, 93, 106163.	2.6	5
7	Toward Improved Device Efficiency and Stability of Organic Lightâ€Emitting Diodes via External Pressure Treatment. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2170042.	1.8	0
8	Steerable fabrication of MoS2 nanoarray through one-step vacuum thermal evaporation technology. <i>Journal of Materials Science</i> , 2021, 56, 16558-16569.	3.7	0
9	Toward improved stability of nonfullerene organic solar cells: Impact of interlayer and builtâ€in potential. <i>EcoMat</i> , 2021, 3, e12134.	11.9	28
10	Transfer-Printed Nanoscale Poly(3-hexylthiophene-2,5-diyl) Layers for Organic Photodetectors. <i>ACS Applied Nano Materials</i> , 2021, 4, 10725-10734.	5.0	4
11	Enhanced Charge Collection in Nonâ€Fullerene Organic Solar Cells Using Iridium Complex as an Electron Extraction Layer. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100850.	3.7	4
12	New Method for Preparing Small-Caliber Artificial Blood Vessel with Controllable Microstructure on the Inner Wall Based on Additive Material Composite Molding. <i>Micromachines</i> , 2021, 12, 1312.	2.9	6
13	Ultravioletâ€Durable Flexible Nonfullerene Organic Solar Cells Realized by a Hybrid Nanostructured Transparent Electrode. <i>Solar Rrl</i> , 2020, 4, 1900522.	5.8	24
14	Systematical Investigation of Ultrathin Doped Emissive Layer Structure: Achieving Highly Efficient and Longâ€Lifetime Orange Organic Lightâ€Emitting Diodes. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901609.	3.7	5
15	Progress on ultraviolet organic electroluminescence and lasing. <i>Journal of Materials Chemistry C</i> , 2020, 8, 14665-14694.	5.5	53
16	High-performance near-infrared organic phototransistors based on diketopyrrolopyrrole conjugated polymers with partial removal of long branched alkyl side chains. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16915-16922.	5.5	12
17	High moisture-resistive MoOx/metal/graphite barrier films with excellent thermal dissipation for the encapsulation of organic electronics. <i>Organic Electronics</i> , 2020, 86, 105817.	2.6	5
18	Bandgap-tunable device realized by ternary plasma photonic crystals arrays. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	12

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19	Enhanced long wavelength omnidirectional photoresponses in photonic-structured perovskite photodetectors. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9573-9580.	5.5	21
20	High-performance light-soaking-free polymer solar cells based on a LiF modified ZnO electron extraction layer. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9354-9361.	5.5	18
21	Highly-efficient solution-processed green phosphorescent organic light-emitting diodes with reduced efficiency roll-off using ternary blend hosts. <i>Journal of Materials Chemistry C</i> , 2019, 7, 11109-11117.	5.5	20
22	Solution-processed ZnO/MoS ₂ quantum dots electron extraction layer for high performance inverted organic photovoltaics. <i>Organic Electronics</i> , 2019, 75, 105381.	2.6	11
23	Effect of ZnO Electron Extraction Layer on Charge Recombination and Collection Properties in Organic Solar Cells. <i>ACS Applied Energy Materials</i> , 2019, 2, 7385-7392.	5.1	26
24	Towards all-solution-processed top-illuminated flexible organic solar cells using ultrathin Ag-modified graphite-coated poly(ethylene terephthalate) substrates. <i>Nanophotonics</i> , 2019, 8, 297-306.	6.0	22
25	Efficient inverted top-emitting organic light-emitting devices with double electron injection layers. <i>Optics and Laser Technology</i> , 2019, 117, 260-264.	4.6	10
26	Stability of Nonfullerene Organic Solar Cells: from Built-in Potential and Interfacial Passivation Perspectives. <i>Advanced Energy Materials</i> , 2019, 9, 1900157.	19.5	105
27	Omnidirectional and Broadband Light Absorption Enhancement in 2-D Photonic-Structured Organic Solar Cells. <i>ACS Photonics</i> , 2018, 5, 1144-1150.	6.6	44
28	A versatile solution-processed MoO ₃ /Au nanoparticles/MoO ₃ hole contact for high performing PEDOT:PSS-free organic solar cells. <i>Organic Electronics</i> , 2018, 52, 1-6.	2.6	19
29	Broadband light absorption enhancement in moth's eye nanostructured organic solar cells. <i>AIP Advances</i> , 2015, 5, 057164.	1.3	25