Weixia Lan

List of Publications by Year
in descending order

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29	513	687363 13	677142 22
papers	citations	h-index	g-index

30	30	30	737
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stability of Nonfullerene Organic Solar Cells: from Builtâ€in Potential and Interfacial Passivation Perspectives. Advanced Energy Materials, 2019, 9, 1900157.	19.5	105
2	Progress on ultraviolet organic electroluminescence and lasing. Journal of Materials Chemistry C, 2020, 8, 14665-14694.	5.5	53
3	Omnidirectional and Broadband Light Absorption Enhancement in 2-D Photonic-Structured Organic Solar Cells. ACS Photonics, 2018, 5, 1144-1150.	6.6	44
4	Toward improved stability of nonfullerene organic solar cells: Impact of interlayer and builtâ€in potential. EcoMat, 2021, 3, e12134.	11.9	28
5	Effect of ZnO Electron Extraction Layer on Charge Recombination and Collection Properties in Organic Solar Cells. ACS Applied Energy Materials, 2019, 2, 7385-7392.	5.1	26
6	Broadband light absorption enhancement in mothâ€™s eye nanostructured organic solar cells. AIP Advances, 2015, 5, 057164.	1.3	25
7	Ultravioletâ€Durable Flexible Nonfullerene Organic Solar Cells Realized by a Hybrid Nanostructured Transparent Electrode. Solar Rrl, 2020, 4, 1900522.	5.8	24
8	Towards all-solution-processed top-illuminated flexible organic solar cells using ultrathin Ag-modified graphite-coated poly(ethylene terephthalate) substrates. Nanophotonics, 2019, 8, 297-306.	6.0	22
9	Enhanced long wavelength omnidirectional photoresponses in photonic-structured perovskite photodetectors. Journal of Materials Chemistry C, 2019, 7, 9573-9580.	5.5	21
10	Highly-efficient solution-processed green phosphorescent organic light-emitting diodes with reduced efficiency roll-off using ternary blend hosts. Journal of Materials Chemistry C, 2019, 7, 11109-11117.	5.5	20
11	A versatile solution-processed MoO3/Au nanoparticles/MoO3 hole contact for high performing PEDOT:PSS-free organic solar cells. Organic Electronics, 2018, 52, 1-6.	2.6	19
12	High-performance light-soaking-free polymer solar cells based on a LiF modified ZnO electron extraction layer. Journal of Materials Chemistry C, 2019, 7, 9354-9361.	5.5	18
13	Switching the resistive memory behavior from binary to ternary logicviasubtle polymer donor and molecular acceptor design. Journal of Materials Chemistry C, 2021, 9, 5643-5651.	5.5	16
14	High-performance near-infrared organic phototransistors based on diketopyrrolopyrrole conjugated polymers with partial removal of long branched alkyl side chains. Journal of Materials Chemistry C, 2020, 8, 16915-16922.	5.5	12
15	Bandgap-tunable device realized by ternary plasma photonic crystals arrays. Physics of Plasmas, 2020, 27, .	1.9	12
16	Solution-processed ZnO/MoS2 quantum dots electron extraction layer for high performance inverted organic photovoltaics. Organic Electronics, 2019, 75, 105381.	2.6	11
17	Efficient inverted top-emitting organic light-emitting devices with double electron injection layers. Optics and Laser Technology, 2019, 117, 260-264.	4.6	10
18	High-Efficiency Organic Photovoltaic Cells With an Antimony Quantum Sheet Modified Hole Extraction Layer. IEEE Journal of Photovoltaics, 2021, 11, 111-117.	2.5	9

#	Article	IF	Citations
19	Efficient and Ultravioletâ€Durable Nonfullerene Organic Solar Cells: From Interfacial Passivation and Microstructural Modification Perspectives. Advanced Materials Interfaces, 2022, 9, 2101894.	3.7	7
20	New Method for Preparing Small-Caliber Artificial Blood Vessel with Controllable Microstructure on the Inner Wall Based on Additive Material Composite Molding. Micromachines, 2021, 12, 1312.	2.9	6
21	Systematical Investigation of Ultrathin Doped Emissive Layer Structure: Achieving Highly Efficient and Longâ€Lifetime Orange Organic Lightâ€Emitting Diodes. Advanced Materials Interfaces, 2020, 7, 1901609.	3.7	5
22	High moisture-resistive MoOx/metal/graphite barrier films with excellent thermal dissipation for the encapsulation of organic electronics. Organic Electronics, 2020, 86, 105817.	2.6	5
23	An antimonene modified hole extraction layer for high efficiency PEDOT:PSS-free nonfullerene organic solar cells. Organic Electronics, 2021, 93, 106163.	2.6	5
24	Transfer-Printed Nanoscale Poly(3-hexylthiophene-2,5-diyl) Layers for Organic Photodetectors. ACS Applied Nano Materials, 2021, 4, 10725-10734.	5.0	4
25	Enhanced Charge Collection in Nonâ€Fullerene Organic Solar Cells Using Iridium Complex as an Electron Extraction Layer. Advanced Materials Interfaces, 2021, 8, 2100850.	3.7	4
26	Toward Improved Device Efficiency and Stability of Organic Lightâ€Emitting Diodes via External Pressure Treatment. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2100120.	1.8	1
27	Self-alignment of microstructures based on lateral fluidic force generated by local spatial asymmetry inside a microfluidic channel. AIP Advances, 2022, 12, 035335.	1.3	1
28	Toward Improved Device Efficiency and Stability of Organic Lightâ€Emitting Diodes via External Pressure Treatment. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2170042.	1.8	0
29	Steerable fabrication of MoS2 nanoarray through one-step vacuum thermal evaporation technology. Journal of Materials Science, 2021, 56, 16558-16569.	3.7	0