

Juewen Zhao

List of Publications by Year in descending order

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38
papers

1,145
citations

361413

20
h-index

395702

33
g-index

39
all docs

39
docs citations

39
times ranked

1340
citing authors

#	ARTICLE	IF	CITATIONS
1	Delayed Fluorescence Emitter Enables Near 17% Efficiency Ternary Organic Solar Cells with Enhanced Storage Stability and Reduced Recombination Energy Loss. <i>Advanced Functional Materials</i> , 2020, 30, 1909837.	14.9	108
2	Graphene/Organic Semiconductor Heterojunction Phototransistors with Broadband and Bidirectional Photoresponse. <i>Advanced Materials</i> , 2018, 30, e1804020.	21.0	103
3	A novel bipolar phenanthroimidazole derivative host material for highly efficient green and orange-red phosphorescent OLEDs with low efficiency roll-off at high brightness. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2003-2010.	5.5	94
4	Novel small-molecule electron donor for solution-processed ternary exciplex with 24% external quantum efficiency in organic light-emitting diode. <i>Materials Horizons</i> , 2019, 6, 1425-1432.	12.2	69
5	Hydrogen Bond Induced Green Solvent Processed High Performance Ternary Organic Solar Cells with Good Tolerance on Film Thickness and Blend Ratios. <i>Advanced Functional Materials</i> , 2019, 29, 1902078.	14.9	60
6	Blue and white solution-processed TADF-OLEDs with over 20% EQE, low driving voltages and moderate efficiency decrease based on interfacial exciplex hosts. <i>Journal of Materials Chemistry C</i> , 2019, 7, 11806-11812.	5.5	51
7	Multifunctional Phenanthroimidazole Derivatives to Realize High-Performance Deep-Blue and White Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2017, 5, 1700498.	7.3	41
8	White OLEDs with an EQE of 21% at 5000 cd m^{-2} and Ultra High Color Stability Based on Exciplex Host. <i>Advanced Optical Materials</i> , 2018, 6, 1800825.	7.3	39
9	Modulating the molecular packing and distribution enables fullerene-free ternary organic solar cells with high efficiency and long shelf-life. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20139-20150.	10.3	38
10	High-performance fluorescent/phosphorescent (F/P) hybrid white OLEDs consisting of a yellowish-green phosphorescent emitter. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5907-5913.	5.5	35
11	Hydrogen bond induced high performance ternary fullerene-free organic solar cells with increased current density and enhanced stability. <i>Journal of Materials Chemistry C</i> , 2018, 6, 9691-9702.	5.5	35
12	High performance opaque and semi-transparent organic solar cells with good tolerance to film thickness realized by a unique solid additive. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7437-7450.	10.3	34
13	Layer-by-Layer Solution Processing Method for Organic Solar Cells. <i>Solar Rrl</i> , 2021, 5, .	5.8	34
14	Mechanochromic asymmetric sulfone derivatives for use in efficient blue organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8787-8794.	5.5	32
15	Photomemory and Pulse Monitoring Featured Solution-Processed Near-Infrared Graphene/Organic Phototransistor with Detectivity of 2.4×10^{13} Jones. <i>Advanced Functional Materials</i> , 2021, 31, 2103988.	14.9	31
16	Excimer emission induced intra-system self-absorption enhancement – a novel strategy to realize high efficiency and excellent stability ternary organic solar cells processed in green solvents. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23840-23855.	10.3	30
17	Hydrogen bond induced high-performance quaternary organic solar cells with efficiency up to 17.48% and superior thermal stability. <i>Materials Chemistry Frontiers</i> , 2021, 5, 3850-3858.	5.9	28
18	Hydrogen-Bond-Induced High Performance Semitransparent Ternary Organic Solar Cells with 14% Efficiency and Enhanced Stability. <i>Advanced Optical Materials</i> , 2021, 9, 2100064.	7.3	26

#	ARTICLE	IF	CITATIONS
19	Highly efficient green and red OLEDs based on a new exciplex system with simple structures. <i>Organic Electronics</i> , 2017, 43, 136-141.	2.6	25
20	Hydrogen-Bonding Strategy to Optimize Charge Distribution of PC ₇₁ BM and Enable a High Efficiency of 12.45% for Organic Solar Cells. <i>Solar Rrl</i> , 2018, 2, 1800038.	5.8	22
21	Ternary System with Intermolecular Hydrogen Bond: Efficient Strategy to High-Performance Nonfullerene Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 15598-15606.	8.0	21
22	Additive-Induced Vertical Component Distribution Enables High-Performance Sequentially Cast Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 25842-25850.	8.0	20
23	Fullerene's ring: A new strategy to improve the performance of fullerene organic solar cells. <i>Organic Electronics</i> , 2020, 83, 105747.	2.6	19
24	Efficient Organic Upconversion Devices for Low Energy Consumption and High-Quality Noninvasive Imaging. <i>Advanced Materials</i> , 2021, 33, e2102812.	21.0	19
25	Recovering the Thermally Activated Delayed Fluorescence in Aggregation-Induced Emitters of Carborane. <i>Inorganic Chemistry</i> , 2021, 60, 4705-4716.	4.0	17
26	Non-fullerene acceptor alloy strategy enabling stable ternary polymer solar cells with efficiency of 17.74%. <i>Journal of Materials Chemistry C</i> , 2022, 10, 3207-3216.	5.5	15
27	Delayed fluorescence material-assisted high performance ternary organic solar cells realized by prolonged exciton lifetime and diffusion length. <i>Journal of Materials Chemistry C</i> , 2020, 8, 17429-17439.	5.5	14
28	High-Efficiency Sequentially Cast Organic Solar Cells Enabled by Dual Solvent-Controlled Polymer Aggregation. <i>Solar Rrl</i> , 2022, 6, .	5.8	14
29	A simple and broadly applicable synthesis of fluorene-coupled D ⁺ A type molecules: towards high-triplet-energy bipolar hosts for efficient blue thermally-activated delayed fluorescence. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6949-6957.	5.5	12
30	Efficient Exciplex-Based Green and Near-Infrared Organic Light-Emitting Diodes Employing a Novel Donor-Acceptor Type Donor. <i>Chemistry - an Asian Journal</i> , 2020, 15, 4093-4097.	3.3	10
31	Improving the efficiency of exciplex based OLEDs by controlling the different configurations of the donor. <i>Journal of Materials Chemistry C</i> , 2021, 9, 600-608.	5.5	10
32	Morphology optimization of organic solar cells enabled by interface engineering of zinc oxide layer with a conjugated organic material. <i>Organic Electronics</i> , 2021, 91, 106065.	2.6	10
33	Ternary organic solar cells with enhanced charge transfer and stability combining the advantages of polymer acceptors and fullerene acceptors. <i>Organic Electronics</i> , 2022, 104, 106471.	2.6	10
34	Introducing Trifluoromethyl to Strengthen Hydrogen Bond for High Efficiency Organic Solar Cells. <i>Frontiers in Chemistry</i> , 2020, 8, 190.	3.6	9
35	High performance organic solar cells based on ZnO: POT2T as an effective cathode interfacial layer. <i>Journal of Physics: Conference Series</i> , 2020, 1549, 042015.	0.4	3
36	Hydrogen-bond-induced cathode engineering interface achieving high-efficiency organic solar cells. <i>Journal of Materials Chemistry C</i> , 2022, 10, 6358-6364.	5.5	3

#	ARTICLE	IF	CITATIONS
37	Pyrene-Imidazole Based Aggregation Modifier Leads to Enhancement in Efficiency and Environmental Stability for Ternary Organic Solar Cells. <i>Frontiers in Chemistry</i> , 2018, 6, 578.	3.6	2
38	Phototransistors: Graphene/Organic Semiconductor Heterojunction Phototransistors with Broadband and Bi-directional Photoresponse (<i>Adv. Mater.</i> 49/2018). <i>Advanced Materials</i> , 2018, 30, 1870379.	21.0	2