

Zhibin Yu

List of Publications by Year in descending order

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47
papers

6,448
citations

159585

30
h-index

243625

44
g-index

48
all docs

48
docs citations

48
times ranked

9417
citing authors

#	ARTICLE	IF	CITATIONS
1	Structures and Materials in Stretchable Electroluminescent Devices. <i>Advanced Materials</i> , 2022, 34, e2106184.	21.0	40
2	Iontronic Electroluminescence Devices: Comparing Halide Perovskites and Conjugated Polymers. <i>ACS Applied Electronic Materials</i> , 2022, 4, 568-575.	4.3	4
3	PEDOT:PSS-polyethylene oxide composites for stretchable and 3D-Printed thermoelectric devices. <i>Composites Communications</i> , 2021, 23, 100599.	6.3	18
4	High-Speed Fabrication of All-Inkjet-Printed Organometallic Halide Perovskite Light-Emitting Diodes on Elastic Substrates. <i>Advanced Materials</i> , 2021, 33, e2102095.	21.0	29
5	3D-Printed Photoactive Semiconducting Nanowire-Polymer Composites for Light Sensors. <i>ACS Applied Nano Materials</i> , 2020, 3, 969-976.	5.0	3
6	Efficient, Stable, and Low-Cost PbS Quantum Dot Solar Cells with Cr-Ag Electrodes. <i>Nanomaterials</i> , 2019, 9, 1205.	4.1	6
7	Porous Halide Perovskite-Polymer Nanocomposites for Explosive Detection with a High Sensitivity. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801686.	3.7	22
8	Direct Printing for Additive Patterning of Silver Nanowires for Stretchable Sensor and Display Applications. <i>Advanced Materials Technologies</i> , 2018, 3, 1700232.	5.8	68
9	Lead-free halide double perovskite-polymer composites for flexible X-ray imaging. <i>Journal of Materials Chemistry C</i> , 2018, 6, 11961-11967.	5.5	96
10	Electrochemical Doping of Halide Perovskites with Ion Intercalation. <i>ACS Nano</i> , 2017, 11, 1073-1079.	14.6	118
11	Junction Propagation in Organometal Halide Perovskite-Polymer Composite Thin Films. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2412-2419.	4.6	30
12	Manipulating Ion Migration for Highly Stable Light-Emitting Diodes with Single-Crystalline Organometal Halide Perovskite Microplatelets. <i>ACS Nano</i> , 2017, 11, 6312-6318.	14.6	90
13	Stretchable Light-Emitting Diodes with Organometal Halide Perovskite-Polymer Composite Emitters. <i>Advanced Materials</i> , 2017, 29, 1607053.	21.0	147
14	Transparent Perovskite Light-Emitting Touch-Responsive Device. <i>ACS Nano</i> , 2017, 11, 11368-11375.	14.6	39
15	Deterministic Nucleation for Halide Perovskite Thin Films with Large and Uniform Grains. <i>Advanced Functional Materials</i> , 2017, 27, 1702180.	14.9	27
16	Organometal halide perovskite light-emitting diodes with laminated carbon nanotube electrodes. , 2017, , .		1
17	Engineering Crack Formation in Carbon Nanotube-Silver Nanoparticle Composite Films for Sensitive and Durable Piezoresistive Sensors. <i>Nanoscale Research Letters</i> , 2016, 11, 422.	5.7	33
18	Single-Layer Halide Perovskite Light-Emitting Diodes with Sub-Band Gap Turn-On Voltage and High Brightness. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 4059-4066.	4.6	175

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19	Fully Printed Stretchable Thin-Film Transistors and Integrated Logic Circuits. ACS Nano, 2016, 10, 11459-11468.	14.6	118
20	Fully Printed Halide Perovskite Light-Emitting Diodes with Silver Nanowire Electrodes. ACS Nano, 2016, 10, 1795-1801.	14.6	261
21	Low Cost Fabrication of High Efficiency Polymer Solar Cells. ECS Transactions, 2015, 66, 1-9.	0.5	0
22	Fully Printed Foldable Integrated Logic Gates with Tunable Performance Using Semiconducting Carbon Nanotubes. Advanced Functional Materials, 2015, 25, 5698-5705.	14.9	52
23	Single-Layer Light-Emitting Diodes Using Organometal Halide Perovskite/Poly(ethylene oxide) Composite Thin Films. Advanced Materials, 2015, 27, 5196-5202.	21.0	288
24	Highly sensitive electronic whiskers based on patterned carbon nanotube and silver nanoparticle composite films. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1703-1707.	7.1	234
25	Photoactuators and motors based on carbon nanotubes with selective chirality distributions. Nature Communications, 2014, 5, 2983.	12.8	269
26	Deterministic Nucleation of InP on Metal Foils with the Thin-Film Vapor "Liquid" Solid Growth Mode. Chemistry of Materials, 2014, 26, 1340-1344.	6.7	32
27	Highly deformable liquid-state heterojunction sensors. Nature Communications, 2014, 5, 5032.	12.8	221
28	User-interactive electronic skin for instantaneous pressure visualization. Nature Materials, 2013, 12, 899-904.	27.5	1,044
29	Polymer light-emitting electrochemical cells: Recent developments to stabilize the p-i-n junction and explore novel device applications. Science China Chemistry, 2013, 56, 1075-1086.	8.2	43
30	Fully Solution-Based Fabrication of Flexible Light-Emitting Device at Ambient Conditions. Journal of Physical Chemistry C, 2013, 117, 16632-16639.	3.1	58
31	Elastomeric polymer light-emitting devices and displays. Nature Photonics, 2013, 7, 817-824.	31.4	859
32	Single-Layer White Polymer Phosphorescent Light-Emitting Diodes Employing Poly(Ethylene Glycol) Dimethyl Ether Blended in the Emissive Layer as Functional Interlayer. Journal of Display Technology, 2013, 9, 483-489.	1.2	2
33	Fluorene-Benzothiadiazole Copolymer for Single Component Green Light-Emitting Electrochemical Cells. Journal of Display Technology, 2013, 9, 476-482.	1.2	7
34	A direct thin-film path towards low-cost large-area III-V photovoltaics. Scientific Reports, 2013, 3, 2275.	3.3	65
35	Morphological and spatial control of InP growth using closed-space sublimation. Journal of Applied Physics, 2012, 112, 123102.	2.5	18
36	High optical quality polycrystalline indium phosphide grown on metal substrates by metalorganic chemical vapor deposition. Journal of Applied Physics, 2012, 111, 123112.	2.5	21

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37	Intrinsically stretchable transparent electrodes based on silver-nanowireâ€“crosslinked-polyacrylate composites. Nanotechnology, 2012, 23, 344002.	2.6	162
38	An ambipolar poly(meta-phenylene) copolymer with high triplet energy to host blue and green electrophosphorescence. Journal of Materials Chemistry, 2011, 21, 9772.	6.7	10
39	Stabilizing the Dynamic p-n Junction in Polymer Light-Emitting Electrochemical Cells. Journal of Physical Chemistry Letters, 2011, 2, 367-372.	4.6	84
40	Highly Flexible Silver Nanowire Electrodes for Shape-Memory Polymer Light-Emitting Diodes. Advanced Materials, 2011, 23, 664-668.	21.0	622
41	Intrinsically Stretchable Polymer Light-Emitting Devices Using Carbon Nanotube-Polymer Composite Electrodes. Advanced Materials, 2011, 23, 3989-3994.	21.0	490
42	Silver Nanowire-Polymer Composite Electrodes for Efficient Polymer Solar Cells. Advanced Materials, 2011, 23, 4453-4457.	21.0	326
43	Absorption and transport enhancement by Ag nanoparticle plasmonics for organic optoelectronics. , 2011, , .		0
44	Highly efficient blue phosphorescent polymer light-emitting diodes by using interfacial modification. Applied Physics Letters, 2011, 98, 201110.	3.3	9
45	Fully bendable polymer light emitting devices with carbon nanotubes as cathode and anode. Applied Physics Letters, 2009, 95, .	3.3	59
46	Electrochemical Formation of Stable p-i-n Junction in Conjugated Polymer Thin Films. Journal of Physical Chemistry B, 2009, 113, 8481-8486.	2.6	47
47	Large-strain, rigid-to-rigid deformation of bistable electroactive polymers. Applied Physics Letters, 2009, 95, .	3.3	101