

Hailong Hu

List of Publications by Year in descending order

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42
papers

1,253
citations

471509

17
h-index

377865

34
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43
all docs

43
docs citations

43
times ranked

1740
citing authors

#	ARTICLE	IF	CITATIONS
1	Inkjet-printed unclonable quantum dot fluorescent anti-counterfeiting labels with artificial intelligence authentication. <i>Nature Communications</i> , 2019, 10, 2409.	12.8	293
2	Optoelectronic Perovskite Synapses for Neuromorphic Computing. <i>Advanced Functional Materials</i> , 2020, 30, 1908901.	14.9	142
3	Fluorescent Microarrays of <i>in Situ</i> Crystallized Perovskite Nanocomposites Fabricated for Patterned Applications by Using Inkjet Printing. <i>ACS Nano</i> , 2019, 13, 2042-2049.	14.6	120
4	Ultrahigh-resolution quantum-dot light-emitting diodes. <i>Nature Photonics</i> , 2022, 16, 297-303.	31.4	97
5	Inkjet-printed p-type nickel oxide thin-film transistor. <i>Applied Surface Science</i> , 2018, 441, 295-302.	6.1	56
6	Ultrathin electronic synapse having high temporal/spatial uniformity and an Al ₂ O ₃ /graphene quantum dots/Al ₂ O ₃ sandwich structure for neuromorphic computing. <i>NPG Asia Materials</i> , 2019, 11, .	7.9	42
7	Light-Emitting Memristors for Optoelectronic Artificial Efferent Nerve. <i>Nano Letters</i> , 2021, 21, 6087-6094.	9.1	42
8	All-Solution-Processed Perovskite Quantum Dots Light-Emitting Diodes Based on the Solvent Engineering Strategy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 27374-27380.	8.0	40
9	Inkjet-Printed Quantum Dot Fluorescent Security Labels with Triple-Level Optical Encryption. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 15701-15708.	8.0	38
10	Highly efficient inkjet printed flexible organic light-emitting diodes with hybrid hole injection layer. <i>Organic Electronics</i> , 2020, 85, 105822.	2.6	29
11	Blue quantum dot light emitting diodes with polyvinylpyrrolidone-doped electron transport layer. <i>Organic Electronics</i> , 2018, 63, 65-70.	2.6	28
12	Efficient inkjet-printed blue OLED with boosted charge transport using host doping for application in pixelated display. <i>Optical Materials</i> , 2020, 101, 109755.	3.6	28
13	Ultrahighly Efficient White Quantum Dot Light-Emitting Diodes Operating at Low Voltage. <i>Advanced Optical Materials</i> , 2020, 8, 2001479.	7.3	27
14	Surface engineering towards highly efficient perovskite light-emitting diodes. <i>Nano Energy</i> , 2019, 65, 104029.	16.0	26
15	Magnetic-field-assisted synthesis of Ni nanostructures: Selective control of particle shape. <i>Chemical Physics Letters</i> , 2009, 477, 184-188.	2.6	20
16	Highly enhanced field emission from CuO nanowire arrays by coating of carbon nanotube network films. <i>Vacuum</i> , 2015, 115, 70-74.	3.5	18
17	Inkjet-Printed In-Ga-Zn Oxide Thin-Film Transistors with Laser Spike Annealing. <i>Journal of Electronic Materials</i> , 2017, 46, 4497-4502.	2.2	18
18	All-solution-processed high-performance quantum dot light emitting devices employing an inorganic thiocyanate as hole injection layer. <i>Organic Electronics</i> , 2019, 70, 279-285.	2.6	16

#	ARTICLE	IF	CITATIONS
19	Aqueous solution-processed molybdenum oxide as an efficient hole injection layer for flexible quantum dot light emitting diodes. <i>Thin Solid Films</i> , 2019, 669, 387-391.	1.8	15
20	Boosting the performance of quantum dot light-emitting diodes with Mg and PVP Co-doped ZnO as electron transport layer. <i>Organic Electronics</i> , 2019, 75, 105411.	2.6	14
21	Selective synthesis of metallic nickel particles with control of shape via wet chemical process. <i>Materials Letters</i> , 2008, 62, 4339-4342.	2.6	13
22	Few-layer epitaxial graphene with large domains on C-terminated 6H-SiC. <i>Surface and Interface Analysis</i> , 2012, 44, 793-796.	1.8	13
23	Efficient quantum dot light-emitting diodes with ultra-homogeneous and highly ordered quantum dot monolayer. <i>Science China Materials</i> , 2022, 65, 757-763.	6.3	13
24	Highly flexible light emitting diodes based on a quantum dots-polymer composite emitting layer. <i>Vacuum</i> , 2019, 163, 282-286.	3.5	12
25	Highly efficient inverted quantum dot light-emitting diodes employing sol-gel derived Li-doped ZnO as electron transport layer. <i>Organic Electronics</i> , 2022, 103, 106466.	2.6	12
26	Efficient Hole Injection of MoO _x -Doped Organic Layer for Printable Red Quantum Dot Light-Emitting Diodes. <i>IEEE Electron Device Letters</i> , 2019, 40, 1147-1150.	3.9	10
27	Fabrication of Si nanodot arrays by plasma enhanced CVD using porous alumina templates. <i>Materials Letters</i> , 2006, 60, 1019-1022.	2.6	9
28	Improved field emission properties of CuO nanowire arrays by coating of graphene oxide layers. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2016, 34, .	1.2	9
29	Quantum Dot Self-Assembly Deposition in Physically Confined Microscale Space by Using an Inkjet Printing Technique. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8605-8613.	4.6	9
30	Ag-catalyzed synthesis of ultrafine nickel nanoparticles: A facile way to size control. <i>Materials Letters</i> , 2009, 63, 940-942.	2.6	7
31	Highly Reliable Electronic Synapse Based on Au@Al ₂ O ₃ Core-Shell Nanoparticles for Neuromorphic Applications. <i>IEEE Electron Device Letters</i> , 2019, 40, 1610-1613.	3.9	7
32	Achieving Highly Efficient and Stable Quantum Dot Light-Emitting Diodes With Interface Modification. <i>IEEE Electron Device Letters</i> , 2020, 41, 1384-1387.	3.9	7
33	Improving the field emission characteristics of tetrapod-like zinc oxide nanostructures by coating with silver nanowires. <i>Materials Letters</i> , 2015, 150, 93-96.	2.6	5
34	Ethanol-controlled peroxidation in liquid-anode discharges. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 425205.	2.8	5
35	Field electron emission from structure-controlled one-dimensional CuO arrays synthesized by wet chemical process. <i>Journal of Semiconductors</i> , 2014, 35, 073003.	3.7	4
36	E-Synapse Based on Lead-Free Organic Halide Perovskite (CH ₃ NH ₃) ₃ Sb ₂ Cl ₉ for Neuromorphic Computing. <i>IEEE Transactions on Electron Devices</i> , 2021, 68, 4425-4430.	3.0	4

#	ARTICLE	IF	CITATIONS
37	Preparation and photoelectric properties of CsPbBr ₃ perovskite nanoplates. Chinese Science Bulletin, 2019, 64, 1478-1484.	0.7	2
38	A generic approach to the preparation of Si-based nanodome arrays. Journal Physics D: Applied Physics, 2008, 41, 175305.	2.8	1
39	Monodisperse and 1D Cross-Linked Multi-branched Cu @ Ni Core-Shell Particles Synthesized by Chemical Reduction. Journal of Electronic Materials, 2014, 43, 2548-2552.	2.2	1
40	Structural reconfiguration and stress relaxation in twisted epitaxial graphene by annealing. Nanotechnology, 2019, 30, 045708.	2.6	1
41	Field emission characteristics of graphene oxide coated CuO cathode. , 2015, , .		0
42	P: Efficient Quantum Dots Light-Emitting Diodes with a thiocyanate hole injection layer. Digest of Technical Papers SID International Symposium, 2019, 50, 1693-1695.	0.3	0