Sujuan Hu

List of Publications by Year
in descending order

13 papers	188 citations	1307594 7 h-index	1281871 11 g-index
13 all docs	13 docs citations	13 times ranked	319 citing authors

#	Article	IF	Citations
1	Understanding, Optimizing, and Utilizing Nonideal Transistors Based on Organic or Organic Hybrid Semiconductors. Advanced Functional Materials, 2020, 30, 1903889.	14.9	49
2	Degradation Mechanism of Perovskite Lightâ€Emitting Diodes: An In Situ Investigation via Electroabsorption Spectroscopy and Device Modelling. Advanced Functional Materials, 2020, 30, 1910464.	14.9	41
3	A General Approach to Probe Dynamic Operation and Carrier Mobility in Fieldâ€Effect Transistors with Nonuniform Accumulation. Advanced Functional Materials, 2019, 29, 1901700.	14.9	22
4	Blue Molecular Emitter-Free and Doping-Free White Organic Light-Emitting Diodes With High Color Rendering. IEEE Electron Device Letters, 2021, 42, 387-390.	3.9	22
5	High-Performance Deep Red Colloidal Quantum Well Light-Emitting Diodes Enabled by the Understanding of Charge Dynamics. ACS Nano, 2022, 16, 10840-10851.	14.6	21
6	A high endurance, temperature-resilient, and robust organic electrochemical transistor for neuromorphic circuits. Journal of Materials Chemistry C, 2021, 9, 11801-11808.	5.5	12
7	How Materials and Device Factors Determine the Performance: A Unified Solution for Transistors with Nontrivial Gates and Transistorâ€“Diode Hybrid Integration. Advanced Science, 2022, 9, e2104896.	11.2	12
8	Generalized Gated Four-Probe Method for Intrinsic Mobility Extraction With Van Der Pauw Structure. IEEE Electron Device Letters, 2020, 41, 244-247.	3.9	3
9	On the Current Saturation of Vertical Transistors With Conductive Network Electrodes. IEEE Transactions on Electron Devices, 2022, 69, 248-253.	3.0	3
10	Nonideal Transistors: Understanding, Optimizing, and Utilizing Nonideal Transistors Based on Organic or Organic Hybrid Semiconductors (Adv. Funct. Mater. 20/2020). Advanced Functional Materials, 2020, 30, 2070129.	14.9	2
11	Ion transport to temperature and gate in organic electrochemical transistors with anti-freezing hydrogel. Organic Electronics, 2022, 108, 106605.	2.6	1
12	Oxide semiconductor thin-film transistors with nano-splitting and field-surrounding channels fabricated by subwavelength photolithography. JPhys Materials, 2020, 3, 015010.	4.2	0
13	31â€2: Invited Paper: Nanostructures Oxide Thinâ€Film Transistors Fabricated by Nearâ€Field Nanolithography with Enhanced Device Performance. Digest of Technical Papers SID International Symposium, 2020, 51, 448-451.	0.3	0