

# Hanlin Wang

## List of Publications by Citations

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**Version:** 2024-04-25

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22  
papers

1,097  
citations

16  
h-index

24  
g-index

24  
ext. papers

1,309  
ext. citations

18.5  
avg, IF

4.36  
L-index

#	Paper	IF	Citations
22	A Ferroelectric/Electrochemical Modulated Organic Synapse for Ultraflexible, Artificial Visual-Perception System. <i>Advanced Materials</i> , <b>2018</b> , 30, e1803961	24	191
21	Organic printed photonics: From microring lasers to integrated circuits. <i>Science Advances</i> , <b>2015</b> , 1, e1500257	25.7	131
20	Substrate-free ultra-flexible organic field-effect transistors and five-stage ring oscillators. <i>Advanced Materials</i> , <b>2013</b> , 25, 5455-60	24	91
19	Bis-Diketopyrrolopyrrole Moiety as a Promising Building Block to Enable Balanced Ambipolar Polymers for Flexible Transistors. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606162	24	82
18	Inkjet printing short-channel polymer transistors with high-performance and ultrahigh photoresponsivity. <i>Advanced Materials</i> , <b>2014</b> , 26, 4683-9	24	74
17	A Retina-Like Dual Band Organic Photosensor Array for Filter-Free Near-Infrared-to-Memory Operations. <i>Advanced Materials</i> , <b>2017</b> , 29, 1701772	24	73
16	Quinoline-Flanked Diketopyrrolopyrrole Copolymers Breaking through Electron Mobility over 6 cm <sup>2</sup> V s in Flexible Thin Film Devices. <i>Advanced Materials</i> , <b>2018</b> , 30, 1704843	24	73
15	Mesopolymer synthesis by ligand-modulated direct arylation polycondensation towards n-type and ambipolar conjugated systems. <i>Nature Chemistry</i> , <b>2019</b> , 11, 271-277	17.6	67
14	Organic photodetectors based on supramolecular nanostructures. <i>SmartMat</i> , <b>2020</b> , 1,	22.8	60
13	Three-Component Integrated Ultrathin Organic Photosensors for Plastic Optoelectronics. <i>Advanced Materials</i> , <b>2016</b> , 28, 624-30	24	43
12	Ambipolar Conjugated Polymers with Ultrahigh Balanced Hole and Electron Mobility for Printed Organic Complementary Logic via a Two-Step C-H Activation Strategy. <i>Advanced Materials</i> , <b>2019</b> , 31, e1806010	24	43
11	Asymmetric thiophene/pyridine flanked diketopyrrolopyrrole polymers for high performance polymer ambipolar field-effect transistors and solar cells. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 566-572	7.2	38
10	Organic Ferroelectric-Based 1T1T Random Access Memory Cell Employing a Common Dielectric Layer Overcoming the Half-Selection Problem. <i>Advanced Materials</i> , <b>2017</b> , 29, 1701907	24	34
9	Versatile asymmetric thiophene/benzothiophene flanked diketopyrrolopyrrole polymers with ambipolar properties for OFETs and OSCs. <i>Polymer Chemistry</i> , <b>2017</b> , 8, 5603-5610	4.9	26
8	Reliable Spin Valves of Conjugated Polymer Based on Mechanically Transferrable Top Electrodes. <i>ACS Nano</i> , <b>2018</b> , 12, 12657-12664	16.7	23
7	Solution-Processed Flexible Organic Ferroelectric Phototransistor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 43880-43885	9.5	19
6	Low temperature growth of clean single layer hexagonal boron nitride flakes and film for graphene-based field-effect transistors. <i>Science China Materials</i> , <b>2019</b> , 62, 1218-1225	7.1	9

5	Photosensors: A Retina-Like Dual Band Organic Photosensor Array for Filter-Free Near-Infrared-to-Memory Operations (Adv. Mater. 32/2017). <i>Advanced Materials</i> , <b>2017</b> , 29,	24	6
4	Random Access Memory: Organic Ferroelectric-Based 1T1T Random Access Memory Cell Employing a Common Dielectric Layer Overcoming the Half-Selection Problem (Adv. Mater. 34/2017). <i>Advanced Materials</i> , <b>2017</b> , 29,	24	5
3	Neuromorphic Devices: A Ferroelectric/Electrochemical Modulated Organic Synapse for Ultraflexible, Artificial Visual-Perception System (Adv. Mater. 46/2018). <i>Advanced Materials</i> , <b>2018</b> , 30, 1870349	24	5
2	The Influence of Structural Variations on the Heteroacenes Containing Dihydropyrrolo[3,2-b]pyrrole Core on Their OFET Performances. <i>ChemistrySelect</i> , <b>2019</b> , 4, 5918-5924	1.8	0
1	Transistors: Inkjet Printing Short-Channel Polymer Transistors with High-Performance and Ultrahigh Photoresponsivity (Adv. Mater. 27/2014). <i>Advanced Materials</i> , <b>2014</b> , 26, 4752-4752	24	0