

# Qian Wu

## List of Publications by Year in descending order

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12  
papers

451  
citations

1478505

6  
h-index

1125743

13  
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13  
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13  
docs citations

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times ranked

797  
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding, Optimizing, and Utilizing Nonideal Transistors Based on Organic or Organic Hybrid Semiconductors. <i>Advanced Functional Materials</i> , 2020, 30, 1903889.	14.9	49
2	Generalized Gated Four-Probe Method for Intrinsic Mobility Extraction With Van Der Pauw Structure. <i>IEEE Electron Device Letters</i> , 2020, 41, 244-247.	3.9	3
3	Nonideal Transistors: Understanding, Optimizing, and Utilizing Nonideal Transistors Based on Organic or Organic Hybrid Semiconductors ( <i>Adv. Funct. Mater.</i> 20/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070129.	14.9	2
4	Thin-Film Transistors With the Fringe Effect and the Correction Factor for Mobility Extraction. <i>IEEE Electron Device Letters</i> , 2019, 40, 897-900.	3.9	14
5	Doping Effects of Various Carrier Suppressing Elements on Solution-Processed SnO <sub>x</sub> -Based Thin-Film Transistors. <i>IEEE Transactions on Electron Devices</i> , 2019, 66, 3371-3375.	3.0	8
6	Orders-of-magnitude enhancement in conductivity tuning in InGaZnO thin-film transistors via SiN <sub>x</sub> passivation and dual-gate modulation. <i>Journal of Information Display</i> , 2019, 20, 161-167.	4.0	3
7	An intrinsically stretchable humidity sensor based on anti-drying, self-healing and transparent organohydrogels. <i>Materials Horizons</i> , 2019, 6, 595-603.	12.2	297
8	Nanostructured High-Performance Thin-Film Transistors and Phototransistors Fabricated by a High-Yield and Versatile Near-Field Nanolithography Strategy. <i>ACS Nano</i> , 2019, 13, 6618-6630.	14.6	15
9	Hydrogen Doping Oxide Transistors: Analysis of Ultrahigh Apparent Mobility in Oxide Field-Effect Transistors ( <i>Adv. Sci.</i> 7/2019). <i>Advanced Science</i> , 2019, 6, 1970040.	11.2	6
10	Precise Patterning of Large-Scale TFT Arrays Based on Solution-Processed Oxide Semiconductors: A Comparative Study of Additive and Subtractive Approaches. <i>Advanced Materials Interfaces</i> , 2018, 5, 1700981.	3.7	21
11	Guided Formation of Large Crystals of Organic and Perovskite Semiconductors by an Ultrasonicated Dispenser and Their Application as the Active Matrix of Photodetectors. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 39921-39932.	8.0	6
12	Solution-based SnGaO thin-film transistors for Zn- and In-free oxide electronic devices. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	22