

Wei Xie

List of Publications by Year in descending order

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21
papers

1,876
citations

535685

17
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799663

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docs citations

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times ranked

3560
citing authors

#	ARTICLE	IF	CITATIONS
1	2D Insulatorâ€“Metal Transition in Aerosolâ€“Jetâ€“Printed Electrolyteâ€“Gated Indium Oxide Thin Film Transistors. <i>Advanced Electronic Materials</i> , 2017, 3, 1600369.	2.6	38
2	Experimental Characterization of Charge and Exciton Transport in Organic Semiconductors. <i>Materials and Energy</i> , 2016, , 231-291.	2.5	3
3	Wettability Contrast Gravure Printing. <i>Advanced Materials</i> , 2015, 27, 7420-7425.	11.1	26
4	Single Ion Conducting, Polymerized Ionic Liquid Triblock Copolymer Films: High Capacitance Electrolyte Gates for n-type Transistors. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7294-7302.	4.0	93
5	High Conductance 2D Transport around the Hall Mobility Peak in Electrolyte-Gated Rubrene Crystals. <i>Physical Review Letters</i> , 2014, 113, 246602.	2.9	39
6	Aerosol Jet Printed, Subâ€“2 V Complementary Circuits Constructed from p- and n-Type Electrolyte Gated Transistors. <i>Advanced Materials</i> , 2014, 26, 7032-7037.	11.1	90
7	Modeling of the effect of intentionally introduced traps on hole transport in single-crystal rubrene. <i>Physical Review B</i> , 2014, 89, .	1.1	5
8	High Capacitance, Photo-Patternable Ion Gel Gate Insulators Compatible with Vapor Deposition of Metal Gate Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 19275-19281.	4.0	30
9	Charge Density Dependent Twoâ€“Channel Conduction in Organic Electric Double Layer Transistors (EDLTs). <i>Advanced Materials</i> , 2014, 26, 2527-2532.	11.1	21
10	Transistors: Aerosol Jet Printed, Sub-2 V Complementary Circuits Constructed from p- and n-Type Electrolyte Gated Transistors (<i>Adv. Mater.</i> 41/2014). <i>Advanced Materials</i> , 2014, 26, 7131-7131.	11.1	2
11	Tuning the metal-insulator crossover and magnetism in SrRuO ₃ by ionic gating. <i>Scientific Reports</i> , 2014, 4, 6604.	1.6	52
12	High-Mobility Transistors Based on Single Crystals of Isotopically Substituted Rubrene- ²⁸ . <i>Journal of Physical Chemistry C</i> , 2013, 117, 11522-11529.	1.5	71
13	Coupling of channel conductance and gate-to-channel capacitance in electric double layer transistors. <i>Applied Physics Letters</i> , 2013, 103, 193304.	1.5	9
14	Electrolyteâ€“Gated Transistors for Organic and Printed Electronics. <i>Advanced Materials</i> , 2013, 25, 1822-1846.	11.1	797
15	Rubrene-Based Single-Crystal Organic Semiconductors: Synthesis, Electronic Structure, and Charge-Transport Properties. <i>Chemistry of Materials</i> , 2013, 25, 2254-2263.	3.2	141
16	Utilizing Carbon Nanotube Electrodes to Improve Charge Injection and Transport in Bis(trifluoromethyl)-dimethyl-rubrene Ambipolar Single Crystal Transistors. <i>ACS Nano</i> , 2013, 7, 10245-10256.	7.3	56
17	Electrolyte gated single-crystal organic transistors to examine transport in the high carrier density regime. <i>MRS Bulletin</i> , 2013, 38, 43-50.	1.7	33
18	Temperatureâ€“Independent Transport in Highâ€“Mobility Dinaphthoâ€“Thienoâ€“Thiophene (DNTT) Single Crystal Transistors. <i>Advanced Materials</i> , 2013, 25, 3478-3484.	11.1	133

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19	Organic Electrical Double Layer Transistors Based on Rubrene Single Crystals: Examining Transport at High Surface Charge Densities above 10^{13} cm^{-2} . Journal of Physical Chemistry C, 2011, 115, 14360-14368.	1.5	81
20	Carrier Localization on Surfaces of Organic Semiconductors Gated with Electrolytes. Physical Review Letters, 2010, 105, 036802.	2.9	71
21	Ultralow contact resistance in electrolyte-gated organic thin film transistors. Applied Physics Letters, 2010, 97, .	1.5	85