

Alexandra F Paterson

List of Publications by Year in descending order

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11
papers

1,025
citations

840776

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1281871

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docs citations

11
times ranked

1793
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Progress in High-Mobility Organic Transistors: A Reality Check. <i>Advanced Materials</i> , 2018, 30, e1801079.	21.0	498
2	Remarkable Enhancement of the Hole Mobility in Several Organic Small-Molecule, Polymers, and Small-Molecule:Polymer Blend Transistors by Simple Admixing of the Lewis Acid p-Dopant B(C ₆ F ₅) ₃ . <i>Advanced Science</i> , 2018, 5, 1700290.	11.2	131
3	Addition of the Lewis Acid Zn(C ₆ F ₅) ₂ Enables Organic Transistors with a Maximum Hole Mobility in Excess of 20 cm ² V ⁻¹ s ⁻¹ . <i>Advanced Materials</i> , 2019, 31, e1900871.	21.0	64
4	The Impact of Molecular p-Doping on Charge Transport in High-Mobility Small-Molecule/Polymer Blend Organic Transistors. <i>Advanced Electronic Materials</i> , 2018, 4, 1700464.	5.1	63
5	Enabling thin-film transistor technologies and the device metrics that matter. <i>Nature Communications</i> , 2018, 9, 5264.	12.8	55
6	Impact of Nonfullerene Acceptor Side Chain Variation on Transistor Mobility. <i>Advanced Electronic Materials</i> , 2019, 5, 1900344.	5.1	45
7	Accurate Extraction of Charge Carrier Mobility in 4-Probe Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2018, 28, 1707105.	14.9	40
8	Impact of the Gate Dielectric on Contact Resistance in High-Mobility Organic Transistors. <i>Advanced Electronic Materials</i> , 2019, 5, 1800723.	5.1	40
9	Hall Effect in Polycrystalline Organic Semiconductors: The Effect of Grain Boundaries. <i>Advanced Functional Materials</i> , 2020, 30, 1903617.	14.9	37
10	Introducing a Nonvolatile N-Type Dopant Drastically Improves Electron Transport in Polymer and Small-Molecule Organic Transistors. <i>Advanced Functional Materials</i> , 2019, 29, 1902784.	14.9	35
11	N-Doping improves charge transport and morphology in the organic non-fullerene acceptor O-IDTBR. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4486-4495.	5.5	17