

Julianna Panidi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Electron Transporting Perylene Diimide-Based Random Terpolymers with Variable Co-Monomer Feed Ratio: A Route to All-Polymer-Based Photodiodes. <i>Macromolecules</i> , 2022, 55, 672-683.	4.8	7
2	Formation of a ternary oxide barrier layer and its role in switching characteristic of ZnO-based conductive bridge random access memory devices. <i>APL Materials</i> , 2022, 10, 031103.	5.1	2
3	Advances in Organic and Perovskite Photovoltaics Enabling a Greener Internet of Things. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	24
4	Low-power supralinear photocurrent generation via excited state fusion in single-component nanostructured organic photodetectors. <i>Journal of Materials Chemistry C</i> , 2022, 10, 7575-7585.	5.5	4
5	One-Step Sixfold Cyanation of Benzothiadiazole Acceptor Units for Air-Stable High-Performance n-Type Organic Field-Effect Transistors. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5970-5977.	13.8	34
6	One-Step Sixfold Cyanation of Benzothiadiazole Acceptor Units for Air-Stable High-Performance n-Type Organic Field-Effect Transistors. <i>Angewandte Chemie</i> , 2021, 133, 6035-6042.	2.0	2
7	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
8	Determining Out-of-Plane Hole Mobility in CuSCN via the Time-of-Flight Technique To Elucidate Its Function in Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 38499-38507.	8.0	4
9	Hall Effect in Polycrystalline Organic Semiconductors: The Effect of Grain Boundaries. <i>Advanced Functional Materials</i> , 2020, 30, 1903617.	14.9	37
10	Polymer Light-Emitting Transistors With Charge-Carrier Mobilities Exceeding $1 \text{ cm}^2/\text{Vs}$. <i>Advanced Electronic Materials</i> , 2020, 6, 1901132.	5.1	8
11	A Structurally Simple but High-Performing Donor-Acceptor Polymer for Field-Effect Transistor Applications. <i>Advanced Electronic Materials</i> , 2020, 6, 2000490.	5.1	10
12	Low Temperature Scalable Deposition of Copper(I) Thiocyanate Films via Aerosol-Assisted Chemical Vapor Deposition. <i>Crystal Growth and Design</i> , 2020, 20, 5380-5386.	3.0	3
13	Core Fluorination Enhances Solubility and Ambient Stability of an IDT-Based n-Type Semiconductor in Transistor Devices. <i>Advanced Functional Materials</i> , 2020, 30, 2000325.	14.9	27
14	Fully Reversible Electrically Induced Photochromic-Like Behaviour of Ag:TiO ₂ Thin Films. <i>Coatings</i> , 2020, 10, 130.	2.6	6
15	Flexible IGZO TFTs and Their Suitability for Space Applications. <i>IEEE Journal of the Electron Devices Society</i> , 2019, 7, 1182-1190.	2.1	14
16	Impact of Nonfullerene Acceptor Side Chain Variation on Transistor Mobility. <i>Advanced Electronic Materials</i> , 2019, 5, 1900344.	5.1	45
17	Electrochemical Stability and Ambipolar Charge Transport in Diketopyrrolopyrrole-Based Organic Materials. <i>ACS Applied Electronic Materials</i> , 2019, 1, 2037-2046.	4.3	5
18	Deciphering photocarrier dynamics for tuneable high-performance perovskite-organic semiconductor heterojunction phototransistors. <i>Nature Communications</i> , 2019, 10, 4475.	12.8	49

#	ARTICLE	IF	CITATIONS
19	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
20	Addition of the Lewis Acid $Zn(C_6F_5)_2$ Enables Organic Transistors with a Maximum Hole Mobility in Excess of $20 \text{ cm}^2 \text{ V}^{-1} \text{ s}^{-1}$. <i>Advanced Materials</i> , 2019, 31, e1900871.	21.0	64
21	A versatile star-shaped organic semiconductor based on benzodithiophene and diketopyrrolopyrrole. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6622-6629.	5.5	16
22	Accurate Extraction of Charge Carrier Mobility in 4-Probe Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2018, 28, 1707105.	14.9	40
23	Remarkable Enhancement of the Hole Mobility in Several Organic Small-Molecules, Polymers, and Small-Molecule:Polymer Blend Transistors by Simple Admixing of the Lewis Acid Dopant $B(C_6F_5)_3$. <i>Advanced Science</i> , 2018, 5, 1700290.	11.2	131
24	Low Temperature and Radiation Stability of Flexible IGZO TFTs and their Suitability for Space Applications. , 2018, , .		1
25	Post-polymerisation functionalisation of conjugated polymer backbones and its application in multi-functional emissive nanoparticles. <i>Nature Communications</i> , 2018, 9, 3237.	12.8	48