

Max Lutz Tietze

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,123
citations

567281

15
h-index

642732

23
g-index

24
all docs

24
docs citations

24
times ranked

1934
citing authors

#	ARTICLE	IF	CITATIONS
1	Elementary steps in electrical doping of organic semiconductors. <i>Nature Communications</i> , 2018, 9, 1182.	12.8	178
2	Fermi level shift and doping efficiency in p -doped small molecule organic semiconductors: A photoelectron spectroscopy and theoretical study. <i>Physical Review B</i> , 2012, 86, .	3.2	152
3	Amorphous Tin Oxide as a Low-Temperature-Processed Electron-Transport Layer for Organic and Hybrid Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 11828-11836.	8.0	145
4	Doped Organic Semiconductors: Trap Filling, Impurity Saturation, and Reserve Regimes. <i>Advanced Functional Materials</i> , 2015, 25, 2701-2707.	14.9	138
5	Direct X-ray and electron-beam lithography of halogenated zeolitic imidazolate frameworks. <i>Nature Materials</i> , 2021, 20, 93-99.	27.5	112
6	Correlation of open-circuit voltage and energy levels in zinc-phthalocyanine: C_{60} bulk heterojunction solar cells with varied mixing ratio. <i>Physical Review B</i> , 2013, 88, .	3.2	71
7	Passivation of Molecular n-Doping: Exploring the Limits of Air Stability. <i>Advanced Functional Materials</i> , 2016, 26, 3730-3737.	14.9	46
8	Microwave-synthesized tin oxide nanocrystals for low-temperature solution-processed planar junction organo-halide perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7759-7763.	10.3	45
9	Feel the Heat: Nonlinear Electrothermal Feedback in Organic LEDs. <i>Advanced Functional Materials</i> , 2014, 24, 3367-3374.	14.9	44
10	Quantification of deep hole-trap filling by molecular p-doping: Dependence on the host material purity. <i>Organic Electronics</i> , 2013, 14, 2348-2352.	2.6	30
11	Analyzing the n-Doping Mechanism of an Air-Stable Small-Molecule Precursor. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 1340-1346.	8.0	28
12	From Fluorine to Fluorene A Route to Thermally Stable azar-BODIPYs for Organic Solar Cell Application. <i>Advanced Electronic Materials</i> , 2016, 2, 1600152.	5.1	26
13	Impact of temperature on the efficiency of organic light emitting diodes. <i>Organic Electronics</i> , 2015, 26, 158-163.	2.6	21
14	Flexible Metal Halide Perovskite Photodetector Arrays via Photolithography and Dry Lift-Off Patterning. <i>Advanced Engineering Materials</i> , 2022, 24, 2100930.	3.5	19
15	Self-passivation of molecular n-type doping during air exposure using a highly efficient air-stable dopant. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 2188-2198.	1.8	16
16	Scattering Model for Composite Stereolithography to Enable Resin Filler Selection and Cure Depth Control. <i>ACS Applied Polymer Materials</i> , 2021, 3, 6705-6712.	4.4	16
17	Parts-per-Million Detection of Volatile Organic Compounds via Surface Plasmon Polaritons and Nanometer-Thick Metal Organic Framework Films. <i>ACS Applied Nano Materials</i> , 2022, 5, 5006-5016.	5.0	9
18	Conjugated polymers with controllable interfacial order and energetics enable tunable heterojunctions in organic and colloidal quantum dot photovoltaics. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1788-1801.	10.3	6

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19	Vertical Organic Tunnel Field-Effect Transistors. ACS Applied Electronic Materials, 2019, 1, 1506-1516.	4.3	4
20	Universal Limit for Air-Stable Molecular n-Doping in Organic Semiconductors. ACS Applied Materials & Interfaces, 2020, 12, 40566-40571.	8.0	4
21	Single-Crystal Capacitive Sensors with Micropatterned Electrodes via Space-Confining Growth of the Metal-Organic Framework HKUST-1. Advanced Functional Materials, 0, , 2204065.	14.9	4
22	Microwave-Assisted Non-aqueous and Low-Temperature Synthesis of Titania and Niobium-Doped Titania Nanocrystals and Their Application in Halide Perovskite Solar Cells as Electron Transport Layers. ACS Omega, 2022, 7, 6616-6626.	3.5	2
23	Organic Electronics: Feel the Heat: Nonlinear Electrothermal Feedback in Organic LEDs (Adv. Funct.) Tj ETQq1 1 0.784314 rgBT /Overloc	14.9	1