

Laura Ferlauto

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8201439/publications.pdf>

Version: 2024-02-01

21
papers

752
citations

759233

12
h-index

752698

20
g-index

23
all docs

23
docs citations

23
times ranked

1561
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and validation of a foldable and photovoltaic wide-field epiretinal prosthesis. <i>Nature Communications</i> , 2018, 9, 992.	12.8	128
2	Reversible, Fast, and Wide-Range Oxygen Sensor Based on Nanostructured Organometal Halide Perovskite. <i>Advanced Materials</i> , 2017, 29, 1702469.	21.0	127
3	Molecular Reorganization in Organic Field-Effect Transistors and Its Effect on Two-Dimensional Charge Transport Pathways. <i>ACS Nano</i> , 2013, 7, 1257-1264.	14.6	79
4	Self-Assembly of an Amphiphilic π -Conjugated Dyad into Fibers: Ultrafast and Ultrasensitive Humidity Sensor. <i>Advanced Materials</i> , 2015, 27, 3170-3174.	21.0	75
5	Development and Characterization of PEDOT:PSS/Alginate Soft Microelectrodes for Application in Neuroprosthetics. <i>Frontiers in Neuroscience</i> , 2018, 12, 648.	2.8	59
6	Logic-Gate Devices Based on Printed Polymer Semiconducting Nanostripes. <i>Nano Letters</i> , 2013, 13, 3643-3647.	9.1	44
7	Photovoltaic organic interface for neuronal stimulation in the near-infrared. <i>Communications Materials</i> , 2020, 1, .	6.9	42
8	Enhancing the Charge Transport in Solution-Processed Perylene Diimide Transistors via Thermal Annealing of Metastable Disordered Films. <i>Advanced Functional Materials</i> , 2014, 24, 5503-5510.	14.9	27
9	All-polymeric transient neural probe for prolonged in-vivo electrophysiological recordings. <i>Biomaterials</i> , 2021, 274, 120889.	11.4	26
10	Targeting ordered oligothiophene fibers with enhanced functional properties by interplay of self-assembly and wet lithography. <i>Journal of Materials Chemistry</i> , 2012, 22, 20852.	6.7	25
11	Optical Input/Electrical Output Memory Elements based on a Liquid Crystalline Azobenzene Polymer. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 6563-6569.	8.0	25
12	Mechanical Reliability of Fullerene/Tin Oxide Interfaces in Monolithic Perovskite/Silicon Tandem Cells. <i>ACS Energy Letters</i> , 2022, 7, 827-833.	17.4	25
13	All-Printed Electrooculography Array for In Vivo Neural Recordings. <i>Advanced Engineering Materials</i> , 2020, 22, 1901403.	3.5	15
14	X-Ray-Induced Modification of the Photophysical Properties of MAPbBr ₃ Single Crystals. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 58301-58308.	8.0	15
15	Changes of the Molecular Structure in Organic Thin Film Transistors during Operation. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15912-15918.	3.1	10
16	Influence of the supramolecular order on the electrical properties of 1D coordination polymers based materials. <i>Nanoscale</i> , 2016, 8, 2386-2394.	5.6	8
17	Transient Neurovascular Interface for Minimally Invasive Neural Recording and Stimulation. <i>Advanced Materials Technologies</i> , 2022, 7, 2100176.	5.8	8
18	High, Anisotropic, and Substrate-Independent Mobility in Polymer Field-Effect Transistors Based on Preassembled Semiconducting Nanofibrils. <i>ACS Nano</i> , 2017, 11, 2000-2007.	14.6	6

#	ARTICLE	IF	CITATIONS
19	Charge carrier velocity distributions in field-effect transistors. Applied Physics Letters, 2011, 98, 092106.	3.3	5
20	Sensors: Self-Assembly of an Amphiphilic π -Conjugated Dyad into Fibers: Ultrafast and Ultrasensitive Humidity Sensor (Adv. Mater. 20/2015). Advanced Materials, 2015, 27, 3220-3220.	21.0	1
21	On the Sensing Mechanisms of a Hydroresistive Flexible Film Based on an Organic Molecular Metal. ACS Applied Electronic Materials, 2019, 1, 1781-1791.	4.3	1