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List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

642
citations

840776

11
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

794
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly compressible and anisotropic lamellar ceramic sponges with superior thermal insulation and acoustic absorption performances. <i>Nature Communications</i> , 2020, 11, 3732.	12.8	172
2	Implantable and Biodegradable Poly(lactide) Fibers for Optical Neural Interfaces. <i>Advanced Optical Materials</i> , 2018, 6, 1700941.	7.3	92
3	Microscale optoelectronic infrared-to-visible upconversion devices and their use as injectable light sources. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 6632-6637.	7.1	81
4	A wireless, implantable optoelectrochemical probe for optogenetic stimulation and dopamine detection. <i>Microsystems and Nanoengineering</i> , 2020, 6, 64.	7.0	57
5	Heterogeneous Integration of Microscale GaN Light-Emitting Diodes and Their Electrical, Optical, and Thermal Characteristics on Flexible Substrates. <i>Advanced Materials Technologies</i> , 2018, 3, 1700239.	5.8	38
6	Transfer-printed, tandem microscale light-emitting diodes for full-color displays. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	33
7	Colocalized, bidirectional optogenetic modulations in freely behaving mice with a wireless dual-color optoelectronic probe. <i>Nature Communications</i> , 2022, 13, 839.	12.8	31
8	Wirelessly Operated, Implantable Optoelectronic Probes for Optogenetics in Freely Moving Animals. <i>IEEE Transactions on Electron Devices</i> , 2019, 66, 785-792.	3.0	30
9	High Performance, Biocompatible Dielectric Thin-Film Optical Filters Integrated with Flexible Substrates and Microscale Optoelectronic Devices. <i>Advanced Optical Materials</i> , 2018, 6, 1800146.	7.3	25
10	Beyond a Linker: The Role of Photochemistry of Crosslinkers in the Direct Optical Patterning of Colloidal Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	24
11	An Optoelectronic thermometer based on microscale infrared-to-visible conversion devices. <i>Light: Science and Applications</i> , 2022, 11, 130.	16.6	22
12	Power- and Spectral-Dependent Photon-Recycling Effects in a Double-Junction Gallium Arsenide Photodiode. <i>ACS Photonics</i> , 2019, 6, 59-65.	6.6	9
13	Optoelectronic sensing of biophysical and biochemical signals based on photon recycling of a micro-LED. <i>Nano Research</i> , 2021, 14, 3208-3213.	10.4	9
14	Ultrafast and low-power optoelectronic infrared-to-visible upconversion devices. <i>Photonics Research</i> , 2019, 7, 1161.	7.0	9
15	Diamond thin films integrated with flexible substrates and their physical, chemical and biological characteristics. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 384004.	2.8	5
16	Emerging Optoelectronic Devices Based on Microscale LEDs and Their Use as Implantable Biomedical Applications. <i>Micromachines</i> , 2022, 13, 1069.	2.9	3
17	Thin-Film Optical Filters: High Performance, Biocompatible Dielectric Thin-Film Optical Filters Integrated with Flexible Substrates and Microscale Optoelectronic Devices (<i>Advanced Optical</i>) Tj ETQq1 1 0.7843173gBT /Overlock 10		
18	Beyond a Linker: The Role of Photochemistry of Crosslinkers in the Direct Optical Patterning of Colloidal Nanocrystals. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	1

#	ARTICLE	IF	CITATIONS
19	Micro-LEDs: Heterogeneous Integration of Microscale GaN Light-Emitting Diodes and Their Electrical, Optical, and Thermal Characteristics on Flexible Substrates (Adv. Mater. Technol. 1/2018). Advanced Materials Technologies, 2018, 3, 1870005.	5.8	0