Wei Yan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9405838/publications.pdf

Version: 2024-02-01

30 papers	1,564 citations	471061 17 h-index	642321 23 g-index
30 all docs	30 docs citations	30 times ranked	1598 citing authors

#	Article	IF	Citations
1	Advanced Multimaterial Electronic and Optoelectronic Fibers and Textiles. Advanced Materials, 2019, 31, e1802348.	11.1	200
2	High-efficiency super-elastic liquid metal based triboelectric fibers and textiles. Nature Communications, 2020, 11, 3537.	5.8	175
3	Thermally drawn advanced functional fibers: New frontier of flexible electronics. Materials Today, 2020, 35, 168-194.	8.3	153
4	Single fibre enables acoustic fabrics via nanometre-scale vibrations. Nature, 2022, 603, 616-623.	13.7	147
5	Recent Progress and Perspectives of Thermally Drawn Multimaterial Fiber Electronics. Advanced Materials, 2020, 32, e1904911.	11.1	143
6	Superelastic Multimaterial Electronic and Photonic Fibers and Devices via Thermal Drawing. Advanced Materials, 2018, 30, e1707251.	11.1	135
7	Semiconducting Nanowireâ€Based Optoelectronic Fibers. Advanced Materials, 2017, 29, 1700681.	11.1	116
8	Digital electronics in fibres enable fabric-based machine-learning inference. Nature Communications, 2021, 12, 3317.	5.8	81
9	Self-assembly of nanostructured glass metasurfaces via templated fluid instabilities. Nature Nanotechnology, 2019, 14, 320-327.	15.6	80
10	Structured nanoscale metallic glass fibres with extreme aspect ratios. Nature Nanotechnology, 2020, 15, 875-882.	15.6	59
11	Controlled Subâ€Micrometer Hierarchical Textures Engineered in Polymeric Fibers and Microchannels via Thermal Drawing. Advanced Functional Materials, 2017, 27, 1605935.	7.8	47
12	Multi-material micro-electromechanical fibers with bendable functional domains. Journal Physics D: Applied Physics, 2017, 50, 144001.	1.3	32
13	Direct Synthesis of Selenium Nanowire Mesh on a Solid Substrate and Insights into Ultrafast Photocarrier Dynamics. Journal of Physical Chemistry C, 2018, 122, 25134-25141.	1.5	32
14	Computing Fabrics. Matter, 2020, 2, 786-788.	5.0	29
15	Microstructure tailoring of selenium-core multimaterial optoelectronic fibers. Optical Materials Express, 2017, 7, 1388.	1.6	27
16	Microstructured Multimaterial Fibers for Microfluidic Sensing. Advanced Materials Technologies, 2019, 4, 1900417.	3.0	25
17	Flexible Fiber Probe for Efficient Neural Stimulation and Detection. Advanced Science, 2020, 7, 2001410.	5.6	19
18	Hexagonal mesoporous silica islands to enhance photovoltaic performance of planar junction perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 1415-1420.	5.2	17

#	Article	IF	Citations
19	Nanoscale Controlled Oxidation of Liquid Metals for Stretchable Electronics and Photonics. Advanced Functional Materials, 2021, 31, 2006711.	7.8	14
20	Processing Porous Bulk Metallic Glass Using Prealloyed Powders. Advanced Engineering Materials, 2010, 12, 1131-1136.	1.6	8
21	Second harmonic generation in glass-based metasurfaces using tailored surface lattice resonances. Nanophotonics, 2021, 10, 3465-3475.	2.9	8
22	Glass-forming ability and thermal stability of gas-atomized Zr₅₀Cu₄₀Al₁₀ metallic glass powders. International Journal of Materials Research, 2011, 102, 435-440.	0.1	5
23	Super Elastic Optical Fibers Sensors. , 2018, , .		3
24	Multi-material optoelectronic fiber devices. Proceedings of SPIE, 2017, , .	0.8	2
25	Stretchable Optical Fibers via Thermal Drawing. , 2018, , .		2
26	Super-elastic multi-material optical fibers for healthcare applications. , 2019, , .		1
27	Nano-structured optical metasurfaces and multi-material fibers for IR applications. , 2018, , .		1
28	Integration of High-performance Optoelectronic Nanowire-based Devices at Optical Fiber Tips. , 2018, , .		1
29	Template assisted dewetting of optical glasses for large area, flexible and stretchable all dielectric metasurfaces. , 2018, , .		1
30	Multi-material and Multi-functional Optical Fibers. , 2018, , .		1