

Tapajyoti Das Gupta

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

839
citations

840119

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1125271

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16
all docs

16
docs citations

16
times ranked

1160
citing authors

#	ARTICLE	IF	CITATIONS
1	High-efficiency super-elastic liquid metal based triboelectric fibers and textiles. Nature Communications, 2020, 11, 3537.	5.8	175
2	Superelastic Multimaterial Electronic and Photonic Fibers and Devices via Thermal Drawing. Advanced Materials, 2018, 30, e1707251.	11.1	135
3	Soft and stretchable liquid metal transmission lines as distributed probes of multimodal deformations. Nature Electronics, 2020, 3, 316-326.	13.1	117
4	Semiconducting Nanowire-Based Optoelectronic Fibers. Advanced Materials, 2017, 29, 1700681.	11.1	116
5	Self-assembly of nanostructured glass metasurfaces via templated fluid instabilities. Nature Nanotechnology, 2019, 14, 320-327.	15.6	80
6	Structured nanoscale metallic glass fibres with extreme aspect ratios. Nature Nanotechnology, 2020, 15, 875-882.	15.6	59
7	Controlled Sub-Micrometer Hierarchical Textures Engineered in Polymeric Fibers and Microchannels via Thermal Drawing. Advanced Functional Materials, 2017, 27, 1605935.	7.8	47
8	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
9	Microstructure tailoring of selenium-core multimaterial optoelectronic fibers. Optical Materials Express, 2017, 7, 1388.	1.6	27
10	Microstructured Biodegradable Fibers for Advanced Control Delivery. Advanced Functional Materials, 2020, 30, 1910283.	7.8	17
11	Nanoscale Controlled Oxidation of Liquid Metals for Stretchable Electronics and Photonics. Advanced Functional Materials, 2021, 31, 2006711.	7.8	14
12	Second harmonic generation in glass-based metasurfaces using tailored surface lattice resonances. Nanophotonics, 2021, 10, 3465-3475.	2.9	8
13	Tunable Van der Waal's optical metasurfaces (VOMs) for biosensing of multiple analytes. Optics Express, 2021, 29, 25800.	1.7	6
14	Super Elastic Optical Fibers Sensors. , 2018, , .		3
15	Stretchable Optical Fibers via Thermal Drawing. , 2018, , .		2
16	Nano-structured optical metasurfaces and multi-material fibers for IR applications. , 2018, , .		1