

# Tapajyoti Das Gupta

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4600212/publications.pdf>

Version: 2024-02-01

16  
papers

839  
citations

840119

11  
h-index

1125271

13  
g-index

16  
all docs

16  
docs citations

16  
times ranked

1160  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoscale Controlled Oxidation of Liquid Metals for Stretchable Electronics and Photonics. <i>Advanced Functional Materials</i> , 2021, 31, 2006711.	7.8	14
2	Tunable Van der Waal's optical metasurfaces (VOMs) for biosensing of multiple analytes. <i>Optics Express</i> , 2021, 29, 25800.	1.7	6
3	Second harmonic generation in glass-based metasurfaces using tailored surface lattice resonances. <i>Nanophotonics</i> , 2021, 10, 3465-3475.	2.9	8
4	High-efficiency super-elastic liquid metal based triboelectric fibers and textiles. <i>Nature Communications</i> , 2020, 11, 3537.	5.8	175
5	Structured nanoscale metallic glass fibres with extreme aspect ratios. <i>Nature Nanotechnology</i> , 2020, 15, 875-882.	15.6	59
6	Soft and stretchable liquid metal transmission lines as distributed probes of multimodal deformations. <i>Nature Electronics</i> , 2020, 3, 316-326.	13.1	117
7	Microstructured Biodegradable Fibers for Advanced Control Delivery. <i>Advanced Functional Materials</i> , 2020, 30, 1910283.	7.8	17
8	Self-assembly of nanostructured glass metasurfaces via templated fluid instabilities. <i>Nature Nanotechnology</i> , 2019, 14, 320-327.	15.6	80
9	Direct Synthesis of Selenium Nanowire Mesh on a Solid Substrate and Insights into Ultrafast Photocarrier Dynamics. <i>Journal of Physical Chemistry C</i> , 2018, 122, 25134-25141.	1.5	32
10	Superelastic Multimaterial Electronic and Photonic Fibers and Devices via Thermal Drawing. <i>Advanced Materials</i> , 2018, 30, e1707251.	11.1	135
11	Nano-structured optical metasurfaces and multi-material fibers for IR applications. , 2018, , .		1
12	Super Elastic Optical Fibers Sensors. , 2018, , .		3
13	Stretchable Optical Fibers via Thermal Drawing. , 2018, , .		2
14	Controlled Submicrometer Hierarchical Textures Engineered in Polymeric Fibers and Microchannels via Thermal Drawing. <i>Advanced Functional Materials</i> , 2017, 27, 1605935.	7.8	47
15	Semiconducting Nanowire-Based Optoelectronic Fibers. <i>Advanced Materials</i> , 2017, 29, 1700681.	11.1	116
16	Microstructure tailoring of selenium-core multimaterial optoelectronic fibers. <i>Optical Materials Express</i> , 2017, 7, 1388.	1.6	27