

Aniruddha Patil

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

768
citations

933447

10
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

777
citing authors

#	ARTICLE	IF	CITATIONS
1	Full-Color Textile Wireless Flexible Humidity Sensor for Human Physiological Monitoring. <i>Advanced Functional Materials</i> , 2019, 29, 1904549.	14.9	193
2	A Machine-Fabricated 3D Honeycomb-Structured Flame-Retardant Triboelectric Fabric for Fire Escape and Rescue. <i>Advanced Materials</i> , 2020, 32, e2003897.	21.0	136
3	Continuous and Scalable Manufacture of Hybridized Nano-Micro Triboelectric Yarns for Energy Harvesting and Signal Sensing. <i>ACS Nano</i> , 2020, 14, 4716-4726.	14.6	130
4	Hierarchical Structure of Silk Materials Versus Mechanical Performance and Mesoscopic Engineering Principles. <i>Small</i> , 2019, 15, e1903948.	10.0	82
5	Graphene decorated carbonized cellulose fabric for physiological signal monitoring and energy harvesting. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12665-12673.	10.3	68
6	Acid and Alkali-Resistant Textile Triboelectric Nanogenerator as a Smart Protective Suit for Liquid Energy Harvesting and Self-Powered Monitoring in High-Risk Environments. <i>Advanced Functional Materials</i> , 2021, 31, 2102963.	14.9	63
7	From Molecular Reconstruction of Mesoscopic Functional Conductive Silk Fibrous Materials to Remote Respiration Monitoring. <i>Small</i> , 2020, 16, e2000203.	10.0	48
8	All-in-one fibrous capacitive humidity sensor for human breath monitoring. <i>Textile Research Journal</i> , 2021, 91, 398-405.	2.2	16
9	Programming Performance of Silk Fibroin Superstrong Scaffolds by Mesoscopic Regulation among Hierarchical Structures. <i>Biomacromolecules</i> , 2020, 21, 4169-4179.	5.4	14
10	A capacitive humidity sensor based on all-protein embedded with gold nanoparticles @ carbon composite for human respiration detection. <i>Nanotechnology</i> , 2021, 32, 19LT01.	2.6	12
11	Enhanced mechanical performance of biocompatible silk fibroin films through mesoscopic construction of hierarchical structures. <i>Textile Research Journal</i> , 2021, 91, 1146-1154.	2.2	3
12	Enzymatic Crosslinked Silk Fibroin Hydrogel for Biodegradable Electronic Skin and Pulse Waveform Measurements. <i>Biomacromolecules</i> , 2022, 23, 3429-3438.	5.4	3