

S M Sohel Rana

List of Publications by Year in descending order

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22
papers

1,120
citations

567281

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888059

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docs citations

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times ranked

605
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase-Rich Laser-Induced Hierarchically Interactive MXene Reinforced Carbon Nanofibers for Multifunctional Breathable Bioelectronics. <i>Advanced Functional Materials</i> , 2022, 32, 2107969.	14.9	16
2	Fabric-Assisted MXene/Silicone Nanocomposite-Based Triboelectric Nanogenerators for Self-Powered Sensors and Wearable Electronics. <i>Advanced Functional Materials</i> , 2022, 32, 2107143.	14.9	81
3	Phase-Rich Laser-Induced Hierarchically Interactive MXene Reinforced Carbon Nanofibers for Multifunctional Breathable Bioelectronics (<i>Adv. Funct. Mater.</i> 5/2022). <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	0
4	A Hybrid Self-Powered Arbitrary Wave Motion Sensing System for Real-Time Wireless Marine Environment Monitoring Application (<i>Adv. Energy Mater.</i> 7/2022). <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	0
5	A Hybrid Self-Powered Arbitrary Wave Motion Sensing System for Real-Time Wireless Marine Environment Monitoring Application. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	18
6	Silicone-incorporated nanoporous cobalt oxide and MXene nanocomposite-coated stretchable fabric for wearable triboelectric nanogenerator and self-powered sensing applications. <i>Nano Energy</i> , 2022, 100, 107454.	16.0	29
7	A Novel MXene/Ecoflex Nanocomposite-Coated Fabric as a Highly Negative and Stable Friction Layer for High-Output Triboelectric Nanogenerators. <i>Advanced Energy Materials</i> , 2021, 11, .	19.5	133
8	High-performance triboelectric nanogenerator based on MXene functionalized polyvinylidene fluoride composite nanofibers. <i>Nano Energy</i> , 2021, 81, 105670.	16.0	211
9	An Electrospun PVDF-TRFE/Mxene Nanofibrous Mat-Based Self-Powered Motion Sensor. , 2021, , .		5
10	A Poly-DADMAC Functionalized Nanofibrous Mat-Based Self-Powered Human Motion Sensor for IoT Applications. , 2021, , .		0
11	Ultra-robust and broadband rotary hybridized nanogenerator for self-sustained smart-farming applications. <i>Nano Energy</i> , 2021, 85, 105974.	16.0	33
12	Cobalt-Nanoporous Carbon Functionalized Nanocomposite-Based Triboelectric Nanogenerator for Contactless and Sustainable Self-Powered Sensor Systems. <i>Advanced Functional Materials</i> , 2021, 31, 2105110.	14.9	47
13	Cation functionalized nylon composite nanofibrous mat as a highly positive friction layer for robust, high output triboelectric nanogenerators and self-powered sensors. <i>Nano Energy</i> , 2021, 88, 106300.	16.0	47
14	Electrospun PVDF-TrFE/MXene Nanofiber Mat-Based Triboelectric Nanogenerator for Smart Home Appliances. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 4955-4967.	8.0	211
15	Cobalt-Nanoporous Carbon Functionalized Nanocomposite-Based Triboelectric Nanogenerator for Contactless and Sustainable Self-Powered Sensor Systems (<i>Adv. Funct. Mater.</i> 52/2021). <i>Advanced Functional Materials</i> , 2021, 31, .	14.9	2
16	A highly miniaturized freestanding kinetic-impact-based non-resonant hybridized electromagnetic-triboelectric nanogenerator for human induced vibrations harvesting. <i>Applied Energy</i> , 2020, 279, 115799.	10.1	55
17	A Battery-Less Arbitrary Motion Sensing System Using Magnetic Repulsion-Based Self-Powered Motion Sensors and Hybrid Nanogenerator. <i>Advanced Functional Materials</i> , 2020, 30, 2003276.	14.9	33
18	A human-machine interactive hybridized biomechanical nanogenerator as a self-sustainable power source for multifunctional smart electronics applications. <i>Nano Energy</i> , 2020, 76, 105025.	16.0	40

#	ARTICLE	IF	CITATIONS
19	A human skin-inspired self-powered flex sensor with thermally embossed microstructured triboelectric layers for sign language interpretation. Nano Energy, 2020, 76, 105071.	16.0	74
20	Biomechanical Energy-Driven Hybridized Generator as a Universal Portable Power Source for Smart/Wearable Electronics. Advanced Energy Materials, 2020, 10, 1903663.	19.5	63
21	Design and Implementation of a Security Improvement Framework of Zigbee Network for Intelligent Monitoring in IoT Platform. Applied Sciences (Switzerland), 2018, 8, 2305.	2.5	17
22	Highly Responsive and Robust Micro-/Nano-Textured Self-Powered Triboelectric Humidity Sensor. ACS Applied Electronic Materials, 0, , .	4.3	5