Mahesh Y Chougale

List of Publications by Year
in descending order

22	477	623734 14	713466 21
papers	citations	h-index	g-index

22	22	22	184
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bio-waste sunflower husks powder based recycled triboelectric nanogenerator for energy harvesting. Energy Reports, 2021, 7, 724-731.	5.1	61
2	Ultra-robust tribo- and piezo-electric nanogenerator based on metal organic frameworks (MOF-5) with high environmental stability. Nano Energy, 2022, 96, 107128.	16.0	46
3	All range highly linear and sensitive humidity sensor based on 2D material TiSi2 for real-time monitoring. Sensors and Actuators B: Chemical, 2021, 345, 130371.	7.8	43
4	Biowaste Peanut Shell Powder-Based Triboelectric Nanogenerator for Biomechanical Energy Scavenging and Sustainably Powering Electronic Supplies. ACS Applied Electronic Materials, 2020, 2, 3953-3963.	4.3	41
5	Solution-Processable ZnO Thin Film Memristive Device for Resistive Random Access Memory Application. Electronics (Switzerland), 2018, 7, 445.	3.1	39
6	Natural seagrass tribopositive material based spray coatable triboelectric nanogenerator. Nano Energy, 2021, 89, 106458.	16.0	36
7	Two dimensional Zirconium diselenide based humidity sensor for flexible electronics. Sensors and Actuators B: Chemical, 2022, 358, 131507.	7.8	29
8	Capacitive coupled non-zero Iâ€“V and type-II memristive properties of the NiFe2O4â€“TiO2 nanocomposite. Materials Science in Semiconductor Processing, 2021, 125, 105646.	4.0	21
9	Triboelectric nanogenerator based on lignocellulosic waste fruit shell tribopositive material: Comparative analysis. Materials Today Sustainability, 2022, 18, 100146.	4.1	20
10	Novel Recycled Triboelectric Nanogenerator Based on Polymerâ€Coated Trash Soda Can for Clean Energy Harvesting. Advanced Sustainable Systems, 2021, 5, 2100161.	5.3	19
11	Natural Hierarchically Structured Highly Porous Tomato Peel Based Triboâ€and Piezoâ€Electric Nanogenerator for Efficient Energy Harvesting. Advanced Sustainable Systems, 2021, 5, 2100066.	5.3	18
12	Memristive switching in ionic liquidâ€“based two-terminal discrete devices. Ionics, 2019, 25, 5575-5583.	2.4	17
13	Soft and flexible: core-shell ionic liquid resistive memory for electronic synapses. Microsystems and Nanoengineering, 2021, 7, 78.	7.0	15
14	Highly Flexible and Asymmetric Hexagonalâ€Shaped Crystalline Structured Germanium Dioxideâ€Based Multistate Resistive Switching Memory Device for Data Storage and Neuromorphic Computing. Advanced Electronic Materials, 2022, 8, .	5.1	15
15	Asymmetric GaN/ZnO Engineered Resistive Memory Device for Electronic Synapses. ACS Applied Electronic Materials, 2022, 4, 297-307.	4.3	13
16	Bioinspired Soft Multistate Resistive Memory Device Based on Silk Fibroin Gel for Neuromorphic Computing. Advanced Engineering Materials, 2022, 24, .	3.5	12
17	Wide range and highly linear signal processed systematic humidity sensor array using Methylene Blue and Graphene composite. Scientific Reports, 2021, 11, 16665.	3.3	11
18	Ionic liquid multistate resistive switching characteristics in two terminal soft and flexible discrete channels for neuromorphic computing. Microsystems and Nanoengineering, 2022, 8, .	7.0	10

#	Article	IF	Citations
19	Enhancing Mechanical Energy Transfer of Piezoelectric Supercapacitors. Advanced Materials Technologies, 2022, 7, 2100550.	5.8	5
20	Expired Pharmaceutical Drugs as Tribopositive Material for Triboelectric Nanogenerator. Advanced Sustainable Systems, 2021, 5, 2100205.	5.3	4
21	Expired Pharmaceutical Drugs as Tribopositive Material for Triboelectric Nanogenerator (Adv.) Tj ETQq1 1 0.784314 rgBT /Overlock 10	5.3	2
22	Enhancing Mechanical Energy Transfer of Piezoelectric Supercapacitors (Adv. Mater. Technol. 4/2022). Advanced Materials Technologies, 2022, 7, .	5.8	0