Zia Saadatnia

List of Publications by Year
in descending order

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20 papers	1,089 citations	430874 18 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	1286 citing authors

#	Article	IF	Citations
1	Novel, flexible, and transparent thin film polyimide aerogels with enhanced thermal insulation and high service temperature. Journal of Materials Chemistry C, 2022, 10, 5088-5108.	5.5	35
2	Recent advances in tailoring and improving the properties of polyimide aerogels and their application. Advances in Colloid and Interface Science, 2022, 304, 102646.	14.7	39
3	Novel, Flexible, and Ultrathin Pressure Feedback Sensor for Miniaturized Intraventricular Neurosurgery Robotic Tools. IEEE Transactions on Industrial Electronics, 2021, 68, 4415-4425.	7.9	26
4	Flexible, Air Dryable, and Fiber Modified Aerogel-Based Wet Electrode for Electrophysiological Monitoring. IEEE Transactions on Biomedical Engineering, 2021, 68, 1820-1827.	4.2	10
5	Nonlinear Vibration Analysis of Curved Piezoelectric-Layered Nanotube Resonator. Energies, 2021, 14, 8031.	3.1	2
6	Polyimide aerogels with novel bimodal micro and nano porous structure assembly for airborne nano filtering applications. RSC Advances, 2020, 10, 22909-22920.	3.6	28
7	Double Dianhydride Backbone Polyimide Aerogels with Enhanced Thermal Insulation for Highâ€Temperature Applications. Macromolecular Materials and Engineering, 2020, 305, 1900777.	3.6	35
8	A High Performance Triboelectric Nanogenerator Using Porous Polyimide Aerogel Film. Scientific Reports, 2019, 9, 1370.	3.3	72
9	High Performance Triboelectric Nanogenerator by Hot Embossing on Selfâ€Assembled Microâ€Particles. Advanced Engineering Materials, 2019, 21, 1700957.	3.5	28
10	A heaving point absorber-based triboelectric-electromagnetic wave energy harvester: An efficient approach toward blue energy. International Journal of Energy Research, 2018, 42, 2431-2447.	4.5	41
11	A flexible hybridized electromagnetic-triboelectric multi-purpose self-powered sensor. Nano Energy, 2018, 45, 319-329.	16.0	52
12	Piezoelectric and triboelectric nanogenerators: Trends and impacts. Nano Today, 2018, 22, 10-13.	11.9	121
13	Design, simulation, and experimental characterization of a heaving triboelectric-electromagnetic wave energy harvester. Nano Energy, 2018, 50, 281-290.	16.0	30
14	A flexible tube-based triboelectricâ€“electromagnetic sensor for knee rehabilitation assessment. Sensors and Actuators A: Physical, 2018, 279, 694-704.	4.1	22
15	A hybrid piezoelectric-triboelectric generator for low-frequency and broad-bandwidth energy harvesting. Energy Conversion and Management, 2018, 174, 188-197.	9.2	104
16	A washable, stretchable, and self-powered human-machine interfacing Triboelectric nanogenerator for wireless communications and soft robotics pressure sensor arrays. Extreme Mechanics Letters, 2017, 13, 25-35.	4.1	78
17	Selfâ€Powered Wireless Sensor Node Enabled by a Duckâ€Shaped Triboelectric Nanogenerator for Harvesting Water Wave Energy. Advanced Energy Materials, 2017, 7, 1601705.	19.5	198
18	A hybridized electromagnetic-triboelectric self-powered sensor for traffic monitoring: concept, modelling, and optimization. Nano Energy, 2017, 32, 105-116.	16.0	87

#	Article	IF	Citations
19	A Triboelectric Selfâ€Powered Sensor for Tire Condition Monitoring: Concept, Design, Fabrication, and Experiments. Advanced Engineering Materials, 2017, 19, 1700318.	3.5	36
20	Modeling and performance analysis of duck-shaped triboelectric and electromagnetic generators for water wave energy harvesting. International Journal of Energy Research, 2017, 41, 2392-2404.	4.5	45