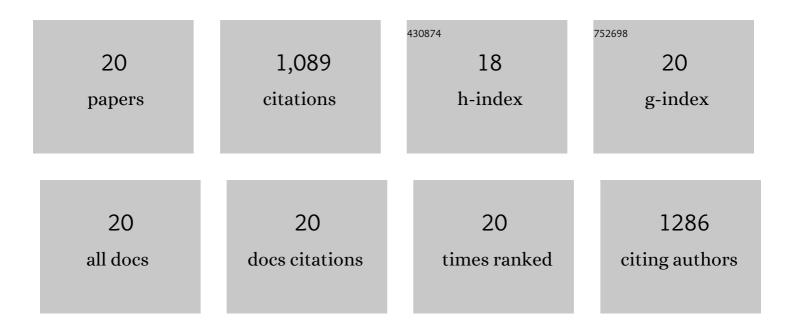
Zia Saadatnia

List of Publications by Year in descending order

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ΖΙΑ SΑΛΠΑΤΝΙΑ

#	Article	IF	CITATIONS
1	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
2	Piezoelectric and triboelectric nanogenerators: Trends and impacts. Nano Today, 2018, 22, 10-13.	11.9	121
3	A hybrid piezoelectric-triboelectric generator for low-frequency and broad-bandwidth energy harvesting. Energy Conversion and Management, 2018, 174, 188-197.	9.2	104
4	A hybridized electromagnetic-triboelectric self-powered sensor for traffic monitoring: concept, modelling, and optimization. Nano Energy, 2017, 32, 105-116.	16.0	87
5	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
6	A High Performance Triboelectric Nanogenerator Using Porous Polyimide Aerogel Film. Scientific Reports, 2019, 9, 1370.	3.3	72
7	A flexible hybridized electromagnetic-triboelectric multi-purpose self-powered sensor. Nano Energy, 2018, 45, 319-329.	16.0	52
8	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
9	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
10	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
11	A Triboelectric Selfâ€Powered Sensor for Tire Condition Monitoring: Concept, Design, Fabrication, and Experiments. Advanced Engineering Materials, 2017, 19, 1700318.	3.5	36
12	Double Dianhydride Backbone Polyimide Aerogels with Enhanced Thermal Insulation for Highâ€Temperature Applications. Macromolecular Materials and Engineering, 2020, 305, 1900777.	3.6	35
13	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
14	Design, simulation, and experimental characterization of a heaving triboelectric-electromagnetic wave energy harvester. Nano Energy, 2018, 50, 281-290.	16.0	30
15	High Performance Triboelectric Nanogenerator by Hot Embossing on Selfâ€Assembled Microâ€Particles. Advanced Engineering Materials, 2019, 21, 1700957.	3.5	28
16	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
17	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
18	A flexible tube-based triboelectric–electromagnetic sensor for knee rehabilitation assessment. Sensors and Actuators A: Physical, 2018, 279, 694-704.	4.1	22

#	Article	IF	CITATIONS
19	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
20	Nonlinear Vibration Analysis of Curved Piezoelectric-Layered Nanotube Resonator. Energies, 2021, 14, 8031.	3.1	2