

# Zia Saadatnia

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6657724/publications.pdf>

Version: 2024-02-01

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	Self-Powered Wireless Sensor Node Enabled by a Duck-Shaped Triboelectric Nanogenerator for Harvesting Water Wave Energy. <i>Advanced Energy Materials</i> , 2017, 7, 1601705.	19.5	198
2	Piezoelectric and triboelectric nanogenerators: Trends and impacts. <i>Nano Today</i> , 2018, 22, 10-13.	11.9	121
3	A hybrid piezoelectric-triboelectric generator for low-frequency and broad-bandwidth energy harvesting. <i>Energy Conversion and Management</i> , 2018, 174, 188-197.	9.2	104
4	A hybridized electromagnetic-triboelectric self-powered sensor for traffic monitoring: concept, modelling, and optimization. <i>Nano Energy</i> , 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. <i>Extreme Mechanics Letters</i> , 2017, 13, 25-35.	4.1	78
6	A High Performance Triboelectric Nanogenerator Using Porous Polyimide Aerogel Film. <i>Scientific Reports</i> , 2019, 9, 1370.	3.3	72
7	A flexible hybridized electromagnetic-triboelectric multi-purpose self-powered sensor. <i>Nano Energy</i> , 2018, 45, 319-329.	16.0	52
8	Modeling and performance analysis of duck-shaped triboelectric and electromagnetic generators for water wave energy harvesting. <i>International Journal of Energy Research</i> , 2017, 41, 2392-2404.	4.5	45
9	A heaving point absorber-based triboelectric-electromagnetic wave energy harvester: An efficient approach toward blue energy. <i>International Journal of Energy Research</i> , 2018, 42, 2431-2447.	4.5	41
10	Recent advances in tailoring and improving the properties of polyimide aerogels and their application. <i>Advances in Colloid and Interface Science</i> , 2022, 304, 102646.	14.7	39
11	A Triboelectric Self-Powered Sensor for Tire Condition Monitoring: Concept, Design, Fabrication, and Experiments. <i>Advanced Engineering Materials</i> , 2017, 19, 1700318.	3.5	36
12	Double Dianhydride Backbone Polyimide Aerogels with Enhanced Thermal Insulation for High-Temperature Applications. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 1900777.	3.6	35
13	Novel, flexible, and transparent thin film polyimide aerogels with enhanced thermal insulation and high service temperature. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5088-5108.	5.5	35
14	Design, simulation, and experimental characterization of a heaving triboelectric-electromagnetic wave energy harvester. <i>Nano Energy</i> , 2018, 50, 281-290.	16.0	30
15	High Performance Triboelectric Nanogenerator by Hot Embossing on Self-Assembled Micro-Particles. <i>Advanced Engineering Materials</i> , 2019, 21, 1700957.	3.5	28
16	Polyimide aerogels with novel bimodal micro and nano porous structure assembly for airborne nano filtering applications. <i>RSC Advances</i> , 2020, 10, 22909-22920.	3.6	28
17	Novel, Flexible, and Ultrathin Pressure Feedback Sensor for Miniaturized Intraventricular Neurosurgery Robotic Tools. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 4415-4425.	7.9	26
18	A flexible tube-based triboelectric-electromagnetic sensor for knee rehabilitation assessment. <i>Sensors and Actuators A: Physical</i> , 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