

Abdelsalam Ahmed

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,135
citations

566801

15
h-index

794141

19
g-index

20
all docs

20
docs citations

20
times ranked

1319
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.	10.2	198
2	Integrated Triboelectric Nanogenerators in the Era of the Internet of Things. <i>Advanced Science</i> , 2019, 6, 1802230.	5.6	174
3	Environmental life cycle assessment and techno-economic analysis of triboelectric nanogenerators. <i>Energy and Environmental Science</i> , 2017, 10, 653-671.	15.6	130
4	Farms of triboelectric nanogenerators for harvesting wind energy: A potential approach towards green energy. <i>Nano Energy</i> , 2017, 36, 21-29.	8.2	96
5	Triboelectric Nanogenerator versus Piezoelectric Generator at Low Frequency ($\leq 4\text{ Hz}$): A Quantitative Comparison. <i>IScience</i> , 2020, 23, 101286.	1.9	84
6	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.	2.0	78
7	Fire-retardant, self-extinguishing triboelectric nanogenerators. <i>Nano Energy</i> , 2019, 59, 336-345.	8.2	61
8	Powering Implantable and Ingestible Electronics. <i>Advanced Functional Materials</i> , 2021, 31, 2009289.	7.8	57
9	An Ultra-Shapeable, Smart Sensing Platform Based on a Multimodal Ferrofluid-Infused Surface. <i>Advanced Materials</i> , 2019, 31, e1807201.	11.1	53
10	All printable snow-based triboelectric nanogenerator. <i>Nano Energy</i> , 2019, 60, 17-25.	8.2	42
11	Self-adaptive Bioinspired Hummingbird-wing Stimulated Triboelectric Nanogenerators. <i>Scientific Reports</i> , 2017, 7, 17143.	1.6	32
12	Design guidelines of triboelectric nanogenerator for water wave energy harvesters. <i>Nanotechnology</i> , 2017, 28, 185403.	1.3	30
13	Toward High-Performance Triboelectric Nanogenerators by Engineering Interfaces at the Nanoscale: Looking into the Future Research Roadmap. <i>Advanced Materials Technologies</i> , 2020, 5, 2000520.	3.0	27
14	Multifunctional smart electronic skin fabricated from two-dimensional like polymer film. <i>Nano Energy</i> , 2020, 75, 105044.	8.2	27
15	Design Guidelines of Stretchable Pressure Sensors-Based Triboelectrification. <i>Advanced Engineering Materials</i> , 2018, 20, 1700997.	1.6	21
16	Self-powered wireless sensing platform for monitoring marine life based on harvesting hydrokinetic energy of water currents. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1992-1998.	5.2	13
17	A theoretical modeling analysis for triboelectrification controlled light emitting diodes. <i>Nano Energy</i> , 2020, 74, 104874.	8.2	6
18	Multifaceted, printable skin-integrated electronics for monitoring physiological functions. <i>Journal of Materials Chemistry C</i> , 2022, 10, 1479-1487.	2.7	5