Abdelsalam Ahmed

List of Publications by Year
in descending order

18	1,135	566801 15	794141 19
papers	citations	h-index	g-index

20	20	20	1319
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multifaceted, printable skin-integrated electronics for monitoring physiological functions. Journal of Materials Chemistry C, 2022, 10, 1479-1487.	2.7	5
2	Self-powered wireless sensing platform for monitoring marine life based on harvesting hydrokinetic energy of water currents. Journal of Materials Chemistry A, 2022, 10, 1992-1998.	5.2	13
3	Powering Implantable and Ingestible Electronics. Advanced Functional Materials, 2021, 31, 2009289.	7.8	57
4	Triboelectric Nanogenerator versus Piezoelectric Generator at Low Frequency (<4ÂHz): A Quantitative Comparison. IScience, 2020, 23, 101286.	1.9	84
5	Toward Highâ€Performance Triboelectric Nanogenerators by Engineering Interfaces at the Nanoscale: Looking into the Future Research Roadmap. Advanced Materials Technologies, 2020, 5, 2000520.	3.0	27
6	A theoretical modeling analysis for triboelectrification controlled light emitting diodes. Nano Energy, 2020, 74, 104874.	8.2	6
7	Multifunctional smart electronic skin fabricated from two-dimensional like polymer film. Nano Energy, 2020, 75, 105044.	8.2	27
8	Integrated Triboelectric Nanogenerators in the Era of the Internet of Things. Advanced Science, 2019, 6, 1802230.	5.6	174
9	An Ultraâ€Shapeable, Smart Sensing Platform Based on a Multimodal Ferrofluidâ€Infused Surface. Advanced Materials, 2019, 31, e1807201.	11.1	53
10	All printable snow-based triboelectric nanogenerator. Nano Energy, 2019, 60, 17-25.	8.2	42
11	Fire-retardant, self-extinguishing triboelectric nanogenerators. Nano Energy, 2019, 59, 336-345.	8.2	61
12	Design Guidelines of Stretchable Pressure Sensorsâ€Based Triboelectrification. Advanced Engineering Materials, 2018, 20, 1700997.	1.6	21
13	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.	2.0	78
14	Environmental life cycle assessment and techno-economic analysis of triboelectric nanogenerators. Energy and Environmental Science, 2017, 10, 653-671.	15.6	130
15	Design guidelines of triboelectric nanogenerator for water wave energy harvesters. Nanotechnology, 2017, 28, 185403.	1.3	30
16	Farms of triboelectric nanogenerators for harvesting wind energy: A potential approach towards green energy. Nano Energy, 2017, 36, 21-29.	8.2	96
17	Selfâ€Powered Wireless Sensor Node Enabled by a Duckâ€Shaped Triboelectric Nanogenerator for Harvesting Water Wave Energy. Advanced Energy Materials, 2017, 7, 1601705.	10.2	198
18	Self-adaptive Bioinspired Hummingbird-wing Stimulated Triboelectric Nanogenerators. Scientific Reports, 2017, 7, 17143.	1.6	32