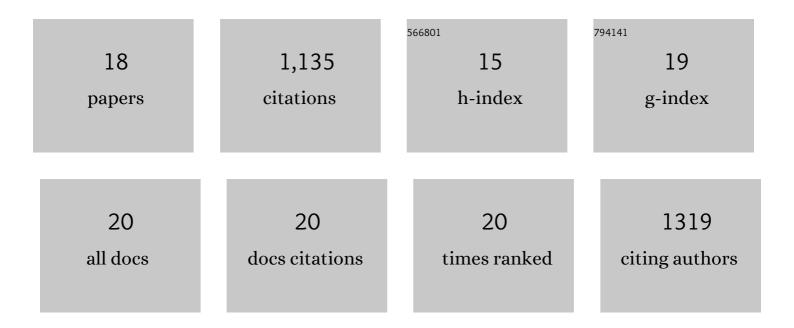
## Abdelsalam Ahmed

List of Publications by Year in descending order

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ARDELSALAM AHMED

#	Article	IF	CITATIONS
1	Selfâ€Powered Wireless Sensor Node Enabled by a Duckâ€6haped Triboelectric Nanogenerator for Harvesting Water Wave Energy. Advanced Energy Materials, 2017, 7, 1601705.	10.2	198
2	Integrated Triboelectric Nanogenerators in the Era of the Internet of Things. Advanced Science, 2019, 6, 1802230.	5.6	174
3	Environmental life cycle assessment and techno-economic analysis of triboelectric nanogenerators. Energy and Environmental Science, 2017, 10, 653-671.	15.6	130
4	Farms of triboelectric nanogenerators for harvesting wind energy: A potential approach towards green energy. Nano Energy, 2017, 36, 21-29.	8.2	96
5	Triboelectric Nanogenerator versus Piezoelectric Generator at Low Frequency (<4ÂHz): A Quantitative Comparison. IScience, 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. Extreme Mechanics Letters, 2017, 13, 25-35.	2.0	78
7	Fire-retardant, self-extinguishing triboelectric nanogenerators. Nano Energy, 2019, 59, 336-345.	8.2	61
8	Powering Implantable and Ingestible Electronics. Advanced Functional Materials, 2021, 31, 2009289.	7.8	57
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	Self-adaptive Bioinspired Hummingbird-wing Stimulated Triboelectric Nanogenerators. Scientific Reports, 2017, 7, 17143.	1.6	32
12	Design guidelines of triboelectric nanogenerator for water wave energy harvesters. Nanotechnology, 2017, 28, 185403.	1.3	30
13	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
14	Multifunctional smart electronic skin fabricated from two-dimensional like polymer film. Nano Energy, 2020, 75, 105044.	8.2	27
15	Design Guidelines of Stretchable Pressure Sensorsâ€Based Triboelectrification. Advanced Engineering Materials, 2018, 20, 1700997.	1.6	21
16	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
17	A theoretical modeling analysis for triboelectrification controlled light emitting diodes. Nano Energy, 2020, 74, 104874.	8.2	6
18	Multifaceted, printable skin-integrated electronics for monitoring physiological functions. Journal of Materials Chemistry C, 2022, 10, 1479-1487.	2.7	5