

# R D Ishara Dharmasena

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Scalable Textile Manufacturing Methods for Fabricating Triboelectric Nanogenerators with Balanced Electrical and Wearable Properties. ACS Applied Electronic Materials, 2022, 4, 678-688.	2.0	13
2	Wearable Triboelectric Nanogenerator from Waste Materials for Autonomous Information Transmission via Morse Code. ACS Applied Materials & Interfaces, 2022, 14, 5328-5337.	4.0	52
3	Natural silk-composite enabled versatile robust triboelectric nanogenerators for smart applications. Nano Energy, 2021, 83, 105819.	8.2	40
4	Theoretical and experimental investigation into the asymmetric external charging of Triboelectric Nanogenerators. Nano Energy, 2021, 90, 106511.	8.2	11
5	Towards Truly Wearable Systems: Optimizing and Scaling Up Wearable Triboelectric Nanogenerators. IScience, 2020, 23, 101360.	1.9	65
6	Direct current contact-mode triboelectric nanogenerators via systematic phase shifting. Nano Energy, 2020, 75, 104887.	8.2	34
7	Exploring the theoretical and experimental optimization of high-performance triboelectric nanogenerators using microarchitected silk cocoon films. Nano Energy, 2020, 74, 104882.	8.2	58
8	Energy Scavenging and Powering E-Skin Functional Devices. Proceedings of the IEEE, 2019, 107, 2118-2136.	16.4	34
9	Towards optimized triboelectric nanogenerators. Nano Energy, 2019, 62, 530-549.	8.2	124
10	A unified theoretical model for Triboelectric Nanogenerators. Nano Energy, 2018, 48, 391-400.	8.2	96
11	Power computation for the triboelectric nanogenerator. Nano Energy, 2018, 54, 39-49.	8.2	19
12	Nature of Power Generation and Output Optimization Criteria for Triboelectric Nanogenerators. Advanced Energy Materials, 2018, 8, 1802190.	10.2	90
13	Triboelectric nanogenerators: providing a fundamental framework. Energy and Environmental Science, 2017, 10, 1801-1811.	15.6	186