R D Ishara Dharmasena

List of Publications by Year
in descending order

13	822	840585 11	1125617 13
papers	citations	h-index	g-index

13	13	13	697
all docs	docs citations	times ranked	citing authors

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