

Puneet Azad

List of Publications by Year in descending order

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26
papers

306
citations

933447

10
h-index

996975

15
g-index

28
all docs

28
docs citations

28
times ranked

322
citing authors

#	ARTICLE	IF	CITATIONS
1	Cluster Head Selection in Wireless Sensor Networks under Fuzzy Environment. , 2013, 2013, 1-8.		69
2	Porous Ba _{0.85} Ca _{0.15} Zr _{0.1} Ti _{0.9} O ₃ Ceramics for Pyroelectric Applications. Journal of Electronic Materials, 2018, 47, 4882-4891.	2.2	33
3	Pareto-optimal clustering scheme using data aggregation for wireless sensor networks. International Journal of Electronics, 2015, 102, 1165-1176.	1.4	22
4	Low-cost triboelectric sensor for speed measurement and weight estimation of vehicles. IET Intelligent Transport Systems, 2018, 12, 958-964.	3.0	17
5	Candle Soot-Driven Performance Enhancement in Pyroelectric Energy Conversion. Journal of Electronic Materials, 2018, 47, 4721-4730.	2.2	17
6	Pyroelectric energy conversion using Ba _{0.85} Sr _{0.15} Zr _{0.1} Ti _{0.9} O ₃ ceramics and its cement-based composites. Journal of Intelligent Material Systems and Structures, 2019, 30, 869-877.	2.5	15
7	Energy Harvesting Using Shoe Embedded with Piezoelectric Material. Journal of Electronic Materials, 2020, 49, 6455-6464.	2.2	15
8	Portable triboelectric based wind energy harvester for low power applications. European Physical Journal Plus, 2017, 132, 1.	2.6	14
9	Energy Harvesting from Human Biomechanical Energy for Health-monitoring Devices. IETE Journal of Research, 2021, 67, 74-81.	2.6	12
10	Design and Analysis of a Synchronized Interface Circuit for Triboelectric Energy Harvesting. Journal of Electronic Materials, 2020, 49, 2491-2501.	2.2	11
11	A triboelectric energy harvester using human biomechanical motion for low power electronics. Bulletin of Materials Science, 2019, 42, 1.	1.7	10
12	Candle soot-coated egg carton material for oil water separation and detergent adsorption. Bulletin of Materials Science, 2020, 43, 1.	1.7	10
13	Solar Energy Harvesting Using Pyroelectric Effect Associated with Piezoelectric Buzzer. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900440.	1.8	9
14	Solar Energy Harvesting using Candle Soot-Coated Thermoelectric Materials. Global Challenges, 2020, 4, 1900080.	3.6	9
15	Diesel Exhaust Emission Soot Coated Pyroelectric Materials for Improved Thermal Energy Harvesting. Global Challenges, 2019, 3, 1800089.	3.6	6
16	Design and Implementation of Conductor-to-Dielectric Lateral Sliding TENG Mode for Low Power Electronics. Advances in Intelligent Systems and Computing, 2019, , 167-174.	0.6	6
17	Triboelectric nanogenerator based on vertical contact separation mode for energy harvesting. , 2017, , .		5
18	Temperature Controlled Voltage Regulated Boost Converter for Thermoelectric Energy Harvesting. IETE Journal of Research, 2022, 68, 1454-1461.	2.6	4

#	ARTICLE	IF	CITATIONS
19	Experimental Analysis of Power Generation for Ultra-Low Power Wireless Sensor Nodes Using Various Coatings on Thermoelectric Energy Harvester. , 2019, , .		3
20	Energy efficient clustered scheme for wireless sensor networks using multi-criteria decision making approach. International Journal of Computer Aided Engineering and Technology, 2014, 6, 324.	0.2	2
21	Design and implementation of robust low cost and low power prototype for generic counting system. , 2017, , .		2
22	Demonstration of double electrode vertical-sliding triboelectric generator. , 2017, , .		2
23	Maximum Residual Energy Based Clustering Scheme for Wireless Sensor Networks. Advanced Science Focus, 2013, 1, 111-119.	0.1	1
24	Poling direction-driven tuning of piezoelectric properties of ferroelectric materials: an experimental study. Journal of the Australian Ceramic Society, 2022, 58, 1111-1115.	1.9	1
25	Comparison of Two Design Methods of Triboelectric Nanogenerator for Building Efficient Energy Harvesting and Storage. Lecture Notes in Electrical Engineering, 2019, , 21-29.	0.4	0
26	An optimization study on $\left(B_{a_{0.85}}C_{a_{0.15}}\right)\left(Z_{r_{0.1}}T_{i_{0.9}}\right)\{O\}_3$ -based piezoelectric energy-harvester using finite element method. Journal of the Australian Ceramic Society, 2022, 58, 309-319.	1.9	0