

# Puneet Azad

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Temperature Controlled Voltage Regulated Boost Converter for Thermoelectric Energy Harvesting. IETE Journal of Research, 2022, 68, 1454-1461.	2.6	4
2	An optimization study on $B_{0.85}C_{0.15}$ -based piezoelectric energy-harvester using finite element method. Journal of the Australian Ceramic Society, 2022, 58, 309-319.	1.9	0
3	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
4	Energy Harvesting from Human Biomechanical Energy for Health-monitoring Devices. IETE Journal of Research, 2021, 67, 74-81.	2.6	12
5	Candle soot-coated egg carton material for oil water separation and detergent adsorption. Bulletin of Materials Science, 2020, 43, 1.	1.7	10
6	Energy Harvesting Using Shoe Embedded with Piezoelectric Material. Journal of Electronic Materials, 2020, 49, 6455-6464.	2.2	15
7	Solar Energy Harvesting using Candle Soot Coated Thermoelectric Materials. Global Challenges, 2020, 4, 1900080.	3.6	9
8	Design and Analysis of a Synchronized Interface Circuit for Triboelectric Energy Harvesting. Journal of Electronic Materials, 2020, 49, 2491-2501.	2.2	11
9	Experimental Analysis of Power Generation for Ultra-Low Power Wireless Sensor Nodes Using Various Coatings on Thermoelectric Energy Harvester. , 2019, , .		3
10	Solar Energy Harvesting Using Pyroelectric Effect Associated with Piezoelectric Buzzer. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900440.	1.8	9
11	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
12	A triboelectric energy harvester using human biomechanical motion for low power electronics. Bulletin of Materials Science, 2019, 42, 1.	1.7	10
13	Diesel Exhaust Emission Soot Coated Pyroelectric Materials for Improved Thermal Energy Harvesting. Global Challenges, 2019, 3, 1800089.	3.6	6
14	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
15	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
16	Low-cost triboelectric sensor for speed measurement and weight estimation of vehicles. IET Intelligent Transport Systems, 2018, 12, 958-964.	3.0	17
17	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
18	Candle Soot-Driven Performance Enhancement in Pyroelectric Energy Conversion. Journal of Electronic Materials, 2018, 47, 4721-4730.	2.2	17

#	ARTICLE	IF	CITATIONS
19	Portable triboelectric based wind energy harvester for low power applications. European Physical Journal Plus, 2017, 132, 1.	2.6	14
20	Design and implementation of robust low cost and low power prototype for generic counting system. , 2017, , .		2
21	Triboelectric nanogenerator based on vertical contact separation mode for energy harvesting. , 2017, , .		5
22	Demonstration of double electrode vertical-sliding triboelectric generator. , 2017, , .		2
23	Pareto-optimal clustering scheme using data aggregation for wireless sensor networks. International Journal of Electronics, 2015, 102, 1165-1176.	1.4	22
24	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
25	Maximum Residual Energy Based Clustering Scheme for Wireless Sensor Networks. Advanced Science Focus, 2013, 1, 111-119.	0.1	1
26	Cluster Head Selection in Wireless Sensor Networks under Fuzzy Environment. , 2013, 2013, 1-8.		69