

# Pukar Maharjan

## List of Publications by Year in descending order

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43  
papers

2,100  
citations

201674

27  
h-index

361022

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43  
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43  
docs citations

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times ranked

1377  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication-Assisted MXene/Silicone Nanocomposite-Based Triboelectric Nanogenerators for Self-Powered Sensors and Wearable Electronics. <i>Advanced Functional Materials</i> , 2022, 32, 2107143.	14.9	81
2	Polyaniline-nanospines engineered nanofibrous membrane based piezoresistive sensor for high-performance electronic skins. <i>Nano Energy</i> , 2022, 95, 106970.	16.0	37
3	Siloxene-Polymer Composite Nanofiber Towards High-Performance Triboelectric Harvesters and Self-Powered Sensors. , 2022, , .		1
4	A Hybrid Self-Powered Arbitrary Wave Motion Sensing System for Real-Time Wireless Marine Environment Monitoring Application ( <i>Adv. Energy Mater.</i> 7/2022). <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	0
5	A Siloxene/Ecoflex Nanocomposite-Based Triboelectric Nanogenerator with Enhanced Charge Retention by MoS <sub>2</sub> /LIG for Self-Powered Touchless Sensor Applications. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	36
6	A High-Performance Rotational Energy Harvester Integrated with Artificial Intelligence-Powered Triboelectric Sensors for Wireless Environmental Monitoring System. <i>Advanced Engineering Materials</i> , 2022, 24, .	3.5	5
7	A Hybrid Self-Powered Arbitrary Wave Motion Sensing System for Real-Time Wireless Marine Environment Monitoring Application. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	18
8	A Novel MXene/Ecoflex Nanocomposite-Coated Fabric as a Highly Negative and Stable Friction Layer for High-Output Triboelectric Nanogenerators. <i>Advanced Energy Materials</i> , 2021, 11, .	19.5	133
9	High-performance triboelectric nanogenerator based on MXene functionalized polyvinylidene fluoride composite nanofibers. <i>Nano Energy</i> , 2021, 81, 105670.	16.0	211
10	Keystroke Dynamics based Hybrid Nanogenerators for Biometric Authentication and Identification using Artificial Intelligence. <i>Advanced Science</i> , 2021, 8, e2100711.	11.2	35
11	Ultra-robust and broadband rotary hybridized nanogenerator for self-sustained smart-farming applications. <i>Nano Energy</i> , 2021, 85, 105974.	16.0	33
12	Cobalt-Nanoporous Carbon Functionalized Nanocomposite-Based Triboelectric Nanogenerator for Contactless and Sustainable Self-Powered Sensor Systems. <i>Advanced Functional Materials</i> , 2021, 31, 2105110.	14.9	47
13	High-performance keyboard typing motion driven hybrid nanogenerator. <i>Nano Energy</i> , 2021, 88, 106232.	16.0	14
14	Cation functionalized nylon composite nanofibrous mat as a highly positive friction layer for robust, high output triboelectric nanogenerators and self-powered sensors. <i>Nano Energy</i> , 2021, 88, 106300.	16.0	47
15	Electrospun PVDF-TrFE/MXene Nanofiber Mat-Based Triboelectric Nanogenerator for Smart Home Appliances. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 4955-4967.	8.0	211
16	Cobalt-Nanoporous Carbon Functionalized Nanocomposite-Based Triboelectric Nanogenerator for Contactless and Sustainable Self-Powered Sensor Systems ( <i>Adv. Funct. Mater.</i> 52/2021). <i>Advanced Functional Materials</i> , 2021, 31, .	14.9	2
17	A highly miniaturized freestanding kinetic-impact-based non-resonant hybridized electromagnetic-triboelectric nanogenerator for human induced vibrations harvesting. <i>Applied Energy</i> , 2020, 279, 115799.	10.1	55
18	A Battery-Less Arbitrary Motion Sensing System Using Magnetic Repulsion-Based Self-Powered Motion Sensors and Hybrid Nanogenerator. <i>Advanced Functional Materials</i> , 2020, 30, 2003276.	14.9	33

#	ARTICLE	IF	CITATIONS
19	A Fully Functional Universal Self-Chargeable Power Module for Portable/Wearable Electronics and Self-Powered IoT Applications. <i>Advanced Energy Materials</i> , 2020, 10, 2002782.	19.5	53
20	Battery-Less Motion Sensing: A Battery-Less Arbitrary Motion Sensing System Using Magnetic Repulsion-Based Self-Powered Motion Sensors and Hybrid Nanogenerator ( <i>Adv. Funct. Mater.</i> 36/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070245.	14.9	0
21	A human-machine interactive hybridized biomechanical nanogenerator as a self-sustainable power source for multifunctional smart electronics applications. <i>Nano Energy</i> , 2020, 76, 105025.	16.0	40
22	Biomechanical Energy: Biomechanical Energy-Driven Hybridized Generator as a Universal Portable Power Source for Smart/Wearable Electronics ( <i>Adv. Energy Mater.</i> 12/2020). <i>Advanced Energy Materials</i> , 2020, 10, 2070056.	19.5	0
23	A human skin-inspired self-powered flex sensor with thermally embossed microstructured triboelectric layers for sign language interpretation. <i>Nano Energy</i> , 2020, 76, 105071.	16.0	74
24	Biomechanical Energy-Driven Hybridized Generator as a Universal Portable Power Source for Smart/Wearable Electronics. <i>Advanced Energy Materials</i> , 2020, 10, 1903663.	19.5	63
25	A Highly Sensitive Self-Powered Flex Sensor for Prosthetic Arm and Interpreting Gesticulation. , 2020, , .		2
26	Flexible and robust dry electrodes based on electroconductive polymer spray-coated 3D porous graphene for long-term electrocardiogram signal monitoring system. <i>Carbon</i> , 2020, 165, 26-36.	10.3	52
27	Hybrid Energy Harvesters: A Fully Functional Universal Self-Chargeable Power Module for Portable/Wearable Electronics and Self-Powered IoT Applications ( <i>Adv. Energy Mater.</i> 48/2020). <i>Advanced Energy Materials</i> , 2020, 10, 2070199.	19.5	1
28	High-performance cycloid inspired wearable electromagnetic energy harvester for scavenging human motion energy. <i>Applied Energy</i> , 2019, 256, 113987.	10.1	102
29	Thermal Imprinted Self-Powered Triboelectric Flexible Sensor for Sign Language Translation. , 2019, , .		4
30	Design and experimental analysis of a low-frequency resonant hybridized nanogenerator with a wide bandwidth and high output power density. <i>Nano Energy</i> , 2019, 66, 104122.	16.0	21
31	A laser ablated graphene-based flexible self-powered pressure sensor for human gestures and finger pulse monitoring. <i>Nano Research</i> , 2019, 12, 1789-1795.	10.4	75
32	Hand clapping inspired integrated multilayer hybrid nanogenerator as a wearable and universal power source for portable electronics. <i>Nano Energy</i> , 2019, 63, 103816.	16.0	33
33	All-Direction In-Plane Magnetic Repulsion-Based Self-Powered Arbitrary Motion Sensor and Hybrid Nanogenerator. , 2019, , .		4
34	A fully-enclosed wrist-wearable hybrid nanogenerator for self-powered sensors. <i>Journal of Physics: Conference Series</i> , 2019, 1407, 012004.	0.4	1
35	Natural wind-driven ultra-compact and highly efficient hybridized nanogenerator for self-sustained wireless environmental monitoring system. <i>Nano Energy</i> , 2019, 57, 256-268.	16.0	98
36	A human locomotion inspired hybrid nanogenerator for wrist-wearable electronic device and sensor applications. <i>Nano Energy</i> , 2018, 46, 383-395.	16.0	125

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37	High performance human-induced vibration driven hybrid energy harvester for powering portable electronics. <i>Nano Energy</i> , 2018, 45, 236-246.	16.0	71
38	An impedance tunable and highly efficient triboelectric nanogenerator for large-scale, ultra-sensitive pressure sensing applications. <i>Nano Energy</i> , 2018, 49, 603-613.	16.0	124
39	A human locomotion driven hybrid energy harvester for wrist wearable applications. <i>Journal of Physics: Conference Series</i> , 2018, 1052, 012093.	0.4	1
40	An indoor power line based magnetic field energy harvester for self-powered wireless sensors in smart home applications. <i>Applied Energy</i> , 2018, 232, 398-408.	10.1	46
41	A fully enclosed, 3D printed, hybridized nanogenerator with flexible flux concentrator for harvesting diverse human biomechanical energy. <i>Nano Energy</i> , 2018, 53, 213-224.	16.0	46
42	Miniaturized springless hybrid nanogenerator for powering portable and wearable electronic devices from human-body-induced vibration. <i>Nano Energy</i> , 2018, 51, 61-72.	16.0	60
43	Highly Responsive and Robust Micro-/Nano-Textured Self-Powered Triboelectric Humidity Sensor. <i>ACS Applied Electronic Materials</i> , 0, , .	4.3	5