

Kaushik Parida

List of Publications by Citations

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33
papers

2,498
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h-index

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37
ext. papers

3,093
ext. citations

13.4
avg, IF

5.68
L-index

#	Paper	IF	Citations
33	Skin-touch-actuated textile-based triboelectric nanogenerator with black phosphorus for durable biomechanical energy harvesting. <i>Nature Communications</i> , 2018 , 9, 4280	17.4	270
32	Highly Transparent, Stretchable, and Self-Healing Ionic-Skin Triboelectric Nanogenerators for Energy Harvesting and Touch Applications. <i>Advanced Materials</i> , 2017 , 29, 1702181	24	255
31	Enhanced Piezoelectric Energy Harvesting Performance of Flexible PVDF-TrFE Bilayer Films with Graphene Oxide. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 521-9	9.5	221
30	Extremely stretchable and self-healing conductor based on thermoplastic elastomer for all-three-dimensional printed triboelectric nanogenerator. <i>Nature Communications</i> , 2019 , 10, 2158	17.4	188
29	Metal Organic Framework-Derived Metal Phosphates as Electrode Materials for Supercapacitors. <i>Advanced Energy Materials</i> , 2016 , 6, 1501833	21.8	165
28	Wearable All-Fabric-Based Triboelectric Generator for Water Energy Harvesting. <i>Advanced Energy Materials</i> , 2017 , 7, 1701243	21.8	149
27	A Stretchable and Self-Healing Energy Storage Device Based on Mechanically and Electrically Restorative Liquid-Metal Particles and Carboxylated Polyurethane Composites. <i>Advanced Materials</i> , 2019 , 31, e1805536	24	148
26	Core-shell nanofiber mats for tactile pressure sensor and nanogenerator applications. <i>Nano Energy</i> , 2018 , 44, 248-255	17.1	142
25	Progress on triboelectric nanogenerator with stretchability, self-healability and bio-compatibility. <i>Nano Energy</i> , 2019 , 59, 237-257	17.1	105
24	A Stretchable and Transparent Nanocomposite Nanogenerator for Self-Powered Physiological Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 42200-42209	9.5	92
23	Self-powered pressure sensor for ultra-wide range pressure detection. <i>Nano Research</i> , 2017 , 10, 3557-3570		85
22	All 3D-printed stretchable piezoelectric nanogenerator with non-protruding kirigami structure. <i>Nano Energy</i> , 2020 , 72, 104676	17.1	76
21	Self-restoring, waterproof, tunable microstructural shape memory triboelectric nanogenerator for self-powered water temperature sensor. <i>Nano Energy</i> , 2019 , 61, 584-593	17.1	72
20	Fast charging self-powered electric double layer capacitor. <i>Journal of Power Sources</i> , 2017 , 342, 70-78	8.9	70
19	Water-Processable, Stretchable, Self-Healable, Thermally Stable, and Transparent Ionic Conductors for Actuators and Sensors. <i>Advanced Materials</i> , 2020 , 32, e1906679	24	66
18	Transparent and stretchable bimodal triboelectric nanogenerators with hierarchical micro-nanostructures for mechanical and water energy harvesting. <i>Nano Energy</i> , 2019 , 64, 103904	17.1	61
17	Transparent, Flexible Cellulose Nanofibril/Phosphorene Hybrid Paper as Triboelectric Nanogenerator. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1700651	4.6	55

16	Deformable and Transparent Ionic and Electronic Conductors for Soft Energy Devices. <i>Advanced Energy Materials</i> , 2017 , 7, 1701369	21.8	45
15	Emerging Soft Conductors for Bioelectronic Interfaces. <i>Advanced Functional Materials</i> , 2020 , 30, 1907184	5.6	38
14	Flexible Superamphiphobic Film for Water Energy Harvesting. <i>Advanced Materials Technologies</i> , 2017 , 2, 1600186	6.8	36
13	Design of Mixed-Metal Silver Decamolybdate Nanostructures for High Specific Energies at High Power Density. <i>Advanced Materials</i> , 2016 , 28, 6966-75	24	27
12	Multi-responsive supercapacitors: Smart solution to store electrical energy. <i>Materials Today Energy</i> , 2017 , 4, 41-57	7	25
11	Tunable Ferroelectricity in Ruddlesden-Popper Halide Perovskites. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 13523-13532	9.5	23
10	Silicon-MnO ₂ core-shell nanowires as electrodes for micro-supercapacitor application. <i>Ceramics International</i> , 2019 , 45, 18914-18923	5.1	22
9	Self-powered graphene thermistor. <i>Nano Energy</i> , 2016 , 26, 586-594	17.1	21
8	Emerging Thermal Technology Enabled Augmented Reality. <i>Advanced Functional Materials</i> , 2021 , 31, 2007952	15.6	13
7	All 3D Printed Stretchable Piezoelectric Nanogenerator for Self-Powered Sensor Application. <i>Sensors</i> , 2020 , 20,	3.8	8
6	Localized Charge Transfer in Two-Dimensional Molybdenum Trioxide. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 27045-27053	9.5	7
5	Synergistic Effect of PVDF-Coated PCL-TCP Scaffolds and Pulsed Electromagnetic Field on Osteogenesis. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
4	Ionic Conductors: Water-Processable, Stretchable, Self-Healable, Thermally Stable, and Transparent Ionic Conductors for Actuators and Sensors (Adv. Mater. 7/2020). <i>Advanced Materials</i> , 2020 , 32, 2070048	24	3
3	Boosting sluggish photocatalytic hydrogen evolution through piezo-stimulated polarization: a critical review.. <i>Materials Horizons</i> , 2022 ,	14.4	2
2	Tri-rutile layered niobium-molybdates for all solid-state symmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 20141-20150	13	2
1	Cellulose nanofibers-based green nanocomposites for water environmental sustainability: a review. <i>Emergent Materials</i> , ¹	3.5	1