

Jihoon Chung

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33
papers

677
citations

16
h-index

25
g-index

37
ext. papers

847
ext. citations

13.4
avg, IF

4.3
L-index

#	Paper	IF	Citations
33	Lightweight mobile stick-type water-based triboelectric nanogenerator with amplified current for portable safety devices.. <i>Science and Technology of Advanced Materials</i> , 2022 , 23, 161-168	7.1	2
32	Semisolid-lubricant-based ball-bearing triboelectric nanogenerator for current amplification, enhanced mechanical lifespan, and thermal stabilization. <i>Nano Energy</i> , 2022 , 93, 106816	17.1	2
31	Recent Advances in Lubricant-Based Triboelectric Nanogenerators for Enhancing Mechanical Lifespan and Electrical Output. <i>Nanoenergy Advances</i> , 2022 , 2, 210-221		0
30	Yo-Yo Inspired Triboelectric Nanogenerator. <i>Energies</i> , 2021 , 14, 1798	3.1	3
29	A portable device for water-sloshing-based electricity generation based on charge separation and accumulation. <i>IScience</i> , 2021 , 24, 102442	6.1	3
28	Nonpolar Liquid Lubricant Submerged Triboelectric Nanogenerator for Current Amplification via Direct Electron Flow. <i>Advanced Energy Materials</i> , 2021 , 11, 2100936	21.8	9
27	Water behavior based electric generation via charge separation. <i>Nano Energy</i> , 2021 , 82, 105687	17.1	15
26	Condensed droplet-based electricity generation via water-phase change. <i>Nano Energy</i> , 2021 , 82, 105713	17.1	4
25	Screw Pump-Type Water Triboelectric Nanogenerator for Active Water Flow Control. <i>Advanced Engineering Materials</i> , 2021 , 23, 2000758	3.5	4
24	Triangulated Cylinder Origami-Based Piezoelectric/Triboelectric Hybrid Generator to Harvest Coupled Axial and Rotational Motion. <i>Research</i> , 2021 , 2021, 7248579	7.8	8
23	Body-mediated energy loss conversion for personalized cell vitalization. <i>Nano Energy</i> , 2021 , 87, 106209	17.1	0
22	Dielectric liquid-based self-operating switch triboelectric nanogenerator for current amplification via regulating air breakdown. <i>Nano Energy</i> , 2021 , 88, 106292	17.1	8
21	Versatile surface for solid-solid/liquid-solid triboelectric nanogenerator based on fluorocarbon liquid infused surfaces. <i>Science and Technology of Advanced Materials</i> , 2020 , 21, 139-146	7.1	16
20	Triboelectric speed bump as a self-powered automobile warning and velocity sensor. <i>Nano Energy</i> , 2020 , 72, 104719	17.1	29
19	A Deformable Foam-Layered Triboelectric Tactile Sensor with Adjustable Dynamic Range. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2019 , 6, 43-51	3.8	16
18	Ion-Enhanced Field Emission Triboelectric Nanogenerator. <i>Advanced Energy Materials</i> , 2019 , 9, 1901731	21.8	31
17	Toward sustainable output generation of liquid-solid contact triboelectric nanogenerators: The role of hierarchical structures. <i>Nano Energy</i> , 2019 , 56, 56-64	17.1	44

16	Capacitor-Integrated Triboelectric Nanogenerator Based on Metal-Metal Contact for Current Amplification. <i>Advanced Energy Materials</i> , 2018 , 8, 1703024	21.8	31
15	Superhydrophobic Water-Solid Contact Triboelectric Generator by Simple Spray-On Fabrication Method. <i>Micromachines</i> , 2018 , 9,	3.3	21
14	Hand-Driven Gyroscopic Hybrid Nanogenerator for Recharging Portable Devices. <i>Advanced Science</i> , 2018 , 5, 1801054	13.6	33
13	Triboelectric Nanogenerators: Capacitor-Integrated Triboelectric Nanogenerator Based on Metal-Metal Contact for Current Amplification (Adv. Energy Mater. 15/2018). <i>Advanced Energy Materials</i> , 2018 , 8, 1870070	21.8	1
12	Elastic spiral triboelectric nanogenerator as a self-charging case for portable electronics. <i>Nano Energy</i> , 2018 , 50, 133-139	17.1	19
11	Transfer-printable micropatterned fluoropolymer-based triboelectric nanogenerator. <i>Nano Energy</i> , 2017 , 36, 126-133	17.1	37
10	Supramolecular-Assembled Nanoporous Film with Switchable Metal Salts for a Triboelectric Nanogenerator. <i>Advanced Functional Materials</i> , 2017 , 27, 1701367	15.6	17
9	Stack/flutter-driven self-retracting triboelectric nanogenerator for portable electronics. <i>Nano Energy</i> , 2017 , 31, 525-532	17.1	28
8	Enhancement of interfacial adhesion based on nanostructured alumina/aluminum laminates. <i>Composites Part B: Engineering</i> , 2017 , 129, 204-209	10	16
7	Highly reliable wind-rolling triboelectric nanogenerator operating in a wide wind speed range. <i>Scientific Reports</i> , 2016 , 6, 33977	4.9	58
6	Cylindrical Water Triboelectric Nanogenerator via Controlling Geometrical Shape of Anodized Aluminum for Enhanced Electrostatic Induction. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 25014-8	9.5	31
5	Direct fabrication of superhydrophobic ceramic surfaces with ZnO nanowires. <i>Journal of the Korean Physical Society</i> , 2016 , 68, 452-455	0.6	3
4	Self-packaging elastic bellows-type triboelectric nanogenerator. <i>Nano Energy</i> , 2016 , 20, 84-93	17.1	34
3	Design and optimization of rotating triboelectric nanogenerator by water electrification and inertia. <i>Nano Energy</i> , 2016 , 27, 340-351	17.1	69
2	AC/DC Convertible Pillar-Type Triboelectric Nanogenerator with Output Current Amplified by the Design of the Moving Electrode. <i>Advanced Energy Materials</i> , 2103571	21.8	5
1	Inhalation-Driven Vertical Flutter Triboelectric Nanogenerator with Amplified Output as a Gas-Mask-Integrated Self-Powered Multifunctional System. <i>Advanced Energy Materials</i> , 2201001	21.8	0