

Tao Huang

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,530
citations

430874

18
h-index

610901

24
g-index

26
all docs

26
docs citations

26
times ranked

2284
citing authors

#	ARTICLE	IF	CITATIONS
1	Human walking-driven wearable all-fiber triboelectric nanogenerator containing electrospun polyvinylidene fluoride piezoelectric nanofibers. <i>Nano Energy</i> , 2015, 14, 226-235.	16.0	287
2	Enhanced power output of an electrospun PVDF/MWCNTs-based nanogenerator by tuning its conductivity. <i>Nanotechnology</i> , 2013, 24, 405401.	2.6	194
3	Effects of Mindâ€“Body Exercises (Tai Chi/Yoga) on Heart Rate Variability Parameters and Perceived Stress: A Systematic Review with Meta-Analysis of Randomized Controlled Trials. <i>Journal of Clinical Medicine</i> , 2018, 7, 404.	2.4	129
4	A Single Integrated 3Dâ€“Printing Process Customizes Elastic and Sustainable Triboelectric Nanogenerators for Wearable Electronics. <i>Advanced Functional Materials</i> , 2018, 28, 1805108.	14.9	126
5	Enhanced Power Output of a Triboelectric Nanogenerator Composed of Electrospun Nanofiber Mats Doped with Graphene Oxide. <i>Scientific Reports</i> , 2015, 5, 13942.	3.3	123
6	A strong and stretchable self-healing film with self-activated pressure sensitivity for potential artificial skin applications. <i>Scientific Reports</i> , 2013, 3, 3138.	3.3	112
7	Fabric texture design for boosting the performance of a knitted washable textile triboelectric nanogenerator as wearable power. <i>Nano Energy</i> , 2019, 58, 375-383.	16.0	103
8	A biomimetic nanofiber-based triboelectric nanogenerator with an ultrahigh transfer charge density. <i>Nano Energy</i> , 2018, 48, 464-470.	16.0	63
9	Self-reinforcement of Light, Temperature-Resistant Silica Nanofibrous Aerogels with Tunable Mechanical Properties. <i>Advanced Fiber Materials</i> , 2020, 2, 338-347.	16.1	58
10	Benzoquinone-Based Polyimide Derivatives as High-Capacity and Stable Organic Cathodes for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 807-817.	8.0	54
11	Synergistic enhancement of coaxial nanofiber-based triboelectric nanogenerator through dielectric and dispersity modulation. <i>Nano Energy</i> , 2020, 75, 104894.	16.0	52
12	Trap Distribution and Conductivity Synergic Optimization of High-Performance Triboelectric Nanogenerators for Self-Powered Devices. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 2566-2575.	8.0	37
13	Hydrophobic SiO ₂ Electret Enhances the Performance of Poly(vinylidene fluoride) Nanofiber-Based Triboelectric Nanogenerator. <i>Journal of Physical Chemistry C</i> , 2016, 120, 26600-26608.	3.1	31
14	Gas-enhanced triboelectric nanogenerator based on fully-enclosed structure for energy harvesting and sensing. <i>Nano Energy</i> , 2019, 55, 463-469.	16.0	29
15	Facile and Green Strategy for Designing Ultralight, Flexible, and Multifunctional PVA Nanofiberâ€“Based Aerogels. <i>Advanced Sustainable Systems</i> , 2020, 4, 1900141.	5.3	29
16	Mediating Effect of Perceived Stress on the Association between Physical Activity and Sleep Quality among Chinese College Students. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 289.	2.6	28
17	Enhanced Piezoelectric Performance of Electrospun Polyvinylidene Fluoride Doped with Inorganic Salts. <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1700214.	3.6	26
18	In Situ Polymerization of Nylon 66/Reduced Graphene Oxide Nanocomposites. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-9.	2.7	19

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19	Executive Function Performance in Young Adults When Cycling at an Active Workstation: An fNIRS Study. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1119.	2.6	10
20	A sinusoidal alternating output of a triboelectric nanogenerator array with asymmetric-layer-based units. <i>Nanoscale</i> , 2018, 10, 13730-13736.	5.6	5
21	Concurrent Performance of Executive Function during Acute Bouts of Exercise in Adults: A Systematic Review. <i>Brain Sciences</i> , 2021, 11, 1364.	2.3	5
22	In-Situ Polymerization of High-Molecular Weight Nylon 66 Modified Clay Nanocomposites with Low Apparent Viscosity. <i>Polymers</i> , 2019, 11, 510.	4.5	4
23	Elastic polybenzimidazole nanofiber aerogel for thermal insulation and high-temperature oil adsorption. <i>Journal of Materials Science</i> , 2022, 57, 12125-12137.	3.7	3
24	Wearable Electronics: A Single Integrated 3D-Printing Process Customizes Elastic and Sustainable Triboelectric Nanogenerators for Wearable Electronics (<i>Adv. Funct. Mater.</i> 46/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870331.	14.9	2
25	Effect of polymer hygroscopicity on the performance of electrospun triboelectric nanogenerators. , 2015, , .		1
26	Molecular Radiotherapy with ¹⁷⁷ Lu-Immunoliposomes Induces Cytotoxicity in Mesothelioma Cancer Stem Cells In Vitro. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3914.	4.1	0