Bao Yang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8922659/publications.pdf

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20 papers	1,118 citations	623734 14 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	1445 citing authors

#	Article	IF	Citations
1	Surface microstructural engineering of silicone elastomers for high performance adhesive surface-enabled mechanical energy harvesters. Journal of Materials Chemistry A, 2022, 10, 9643-9654.	10.3	5
2	Flexible thermoelectric generator with high Seebeck coefficients made from polymer composites and heat-sink fabrics. Communications Materials, 2022, 3, .	6.9	14
3	Textile Electronics for VR/AR Applications. Advanced Functional Materials, 2021, 31, 2007254.	14.9	50
4	Modeling the stress and resistance relaxation of conductive composites-coated fabric strain sensors. Composites Science and Technology, 2021, 204, 108645.	7.8	16
5	Permeable and washable electronics based on polyamide fibrous membrane for wearable applications. Composites Science and Technology, 2021, 207, 108729.	7.8	19
6	Smart Textileâ€Integrated Microelectronic Systems for Wearable Applications. Advanced Materials, 2020, 32, e1901958.	21.0	427
7	Recent advances in wearable textileâ€based triboelectric generator systems for energy harvesting from human motion. EcoMat, 2020, 2, e12054.	11.9	63
8	Wireless Multistimulusâ€Responsive Fabricâ€Based Actuators for Soft Robotic, Humanâ€“Machine Interactive, and Wearable Applications. Advanced Materials Technologies, 2020, 5, 2000341.	5.8	21
9	Predicting performance of fiber thermoelectric generator arrays in wearable electronic applications. Nano Energy, 2020, 76, 105117.	16.0	18
10	An Adhesive Surface Enables Highâ€Performance Mechanical Energy Harvesting with Unique Frequencyâ€Insensitive and Pressureâ€Enhanced Output Characteristics. Advanced Materials, 2020, 32, e1907948.	21.0	25
11	Smart bionic morphing leg mannequin for pressure assessment of compression garment. Smart Materials and Structures, 2020, 29, 055041.	3.5	5
12	Highly Sensitive and Durable Structured Fibre Sensors for Low-Pressure Measurement in Smart Skin. Sensors, 2019, 19, 1811.	3.8	5
13	Upper limits for output performance of contact-mode triboelectric nanogenerator systems. Nano Energy, 2019, 57, 66-73.	16.0	26
14	Highly Flexible, Largeâ€Area, and Facile Textileâ€Based Hybrid Nanogenerator with Cascaded Piezoelectric and Triboelectric Units for Mechanical Energy Harvesting. Advanced Materials Technologies, 2018, 3, 1800016.	5.8	79
15	Triboelectric charge density of porous and deformable fabrics made from polymer fibers. Nano Energy, 2018, 53, 383-390.	16.0	71
16	Quantifying Energy Harvested from Contactâ€Mode Hybrid Nanogenerators with Cascaded Piezoelectric and Triboelectric Units. Advanced Energy Materials, 2017, 7, 1601569.	19.5	69
17	A Fully Verified Theoretical Analysis of Contactâ€Mode Triboelectric Nanogenerators as a Wearable Power Source. Advanced Energy Materials, 2016, 6, 1600505.	19.5	148
18	Monitoring elbow isometric contraction by novel wearable fabric sensing device. Smart Materials and Structures, 2016, 25, 125022.	3.5	19

#	Article	IF	Citations
19	The Deformation Measurement and Analysis on Meso-Structure of Aluminum Foams During SHPB Test. Journal of Testing and Evaluation, 2014, 42, 621-628.	0.7	5
20	Localized deformation in aluminium foam during middle speed Hopkinson bar impact tests. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 560, 734-743.	5.6	33