Min-Ook Kim

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7752094/publications.pdf

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22	527	759233 12	839539 18
papers	citations	h-index	g-index

22	22	22	668
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecularly Engineered Surface Triboelectric Nanogenerator by Self-Assembled Monolayers (METS). Chemistry of Materials, 2015, 27, 4749-4755.	6.7	111
2	Aligned Carbon Nanotube Arrays for Degradationâ€Resistant, Intimate Contact in Micromechanical Devices. Advanced Materials, 2011, 23, 2231-2236.	21.0	59
3	Flexible and multi-directional piezoelectric energy harvester for self-powered human motion sensor. Smart Materials and Structures, 2018, 27, 035001.	3.5	55
4	A flexible hybrid strain energy harvester using piezoelectric and electrostatic conversion. Smart Materials and Structures, 2014, 23, 045040.	3.5	51
5	Flexible Energy Harvester with Piezoelectric and Thermoelectric Hybrid Mechanisms for Sustainable Harvesting. International Journal of Precision Engineering and Manufacturing - Green Technology, 2019, 6, 691-698.	4.9	45
6	Piezoelectric energy harvester converting strain energy into kinetic energy for extremely low frequency operation. Applied Physics Letters, 2014, 104, .	3.3	33
7	All-textile wearable triboelectric nanogenerator using pile-embroidered fibers for enhancing output power. Smart Materials and Structures, 2020, 29, 055026.	3.5	30
8	Humidityâ€Resistant, Fabricâ€Based, Wearable Triboelectric Energy Harvester by Treatment of Hydrophobic Selfâ€Assembled Monolayers. Advanced Materials Technologies, 2018, 3, 1800048.	5.8	26
9	Polymer-based flexible and multi-directional tactile sensor with multiple NiCr piezoresistors. Micro and Nano Systems Letters, 2019, 7, .	3.7	26
10	Humidity-resistant triboelectric energy harvester using electrospun PVDF/PU nanofibers for flexibility and air permeability. Nanotechnology, 2019, 30, 275401.	2.6	21
11	Development of MEMS Multi-Mode Electrostatic Energy Harvester Based on the SOI Process. Micromachines, 2017, 8, 51.	2.9	18
12	Multidirectional flexible force sensors based on confined, self-adjusting carbon nanotube arrays. Nanotechnology, 2018, 29, 055501.	2.6	17
13	Low-Temperature Selective Growth of Tungsten Oxide Nanowires by Controlled Nanoscale Stress Induction. Scientific Reports, 2015, 5, 18265.	3.3	8
14	Development and performance test of a ZnO nanowire charger for measurements of nano-aerosol particles. Sensors and Actuators A: Physical, 2015, 222, 1-7.	4.1	6
15	Highly sensitive cantilever type chemo-mechanical hydrogen sensor based on contact resistance of self-adjusted carbon nanotube arrays. Sensors and Actuators B: Chemical, 2014, 197, 414-421.	7.8	5
16	Flexible piezoelectric strain energy harvester responsive to multi-directional input forces and its application to self-powered motion sensor. , 2017, , .		5
17	Microswitch with self-assembled carbon nanotube arrays for high current density and reliable contact. , 2011, , .		4
18	Reversible and Continuous Latching Using a Carbon Internanotube Interface. ACS Applied Materials & Interfaces, 2013, 5, 7465-7469.	8.0	3

#	Article	IF	Citations
19	Lithography-free fabrication of single crystalline silicon tubular nanostructures on large area. Microelectronic Engineering, 2012, 98, 325-328.	2.4	2
20	Facile fabrication of sub-20-nm nanochannels based on crystallinity-dependent anisotropic etching of silicon. Microelectronic Engineering, 2012, 98, 309-312.	2.4	2
21	Continuously latchable shuttle using carbon nanotubes on sidewall surfaces. , 2012, , .		0
22	Variable capacitor with switching mechanism for wide tuning range. , 2014, , .		0