

Dae-Sung Kwon

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

325
citations

1307594

7
h-index

1474206

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16
all docs

16
docs citations

16
times ranked

493
citing authors

#	ARTICLE	IF	CITATIONS
1	Frequency Up-Conversion Hybrid Energy Harvester Combining Piezoelectric and Electromagnetic Transduction Mechanisms. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2022, 9, 241-251.	4.9	20
2	Self-suspended shell-based triboelectric nanogenerator for omnidirectional wind-energy harvesting. <i>Nano Energy</i> , 2022, 96, 107062.	16.0	23
3	Location-specific fabrication of suspended nanowires using electrospun fibers on designed microstructure. <i>Nanotechnology</i> , 2021, 32, 355602.	2.6	0
4	Self-Powered Wind Sensor Based on Triboelectric Generator with Curved Flap Array for Multi-Directional Wind Speed Detection. , 2020, , .		4
5	Flexible Energy Harvester with Piezoelectric and Thermoelectric Hybrid Mechanisms for Sustainable Harvesting. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2019, 6, 691-698.	4.9	45
6	Integration of a Carbon Nanotube Network on a Microelectromechanical Switch for Ultralong Contact Lifetime. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 18617-18625.	8.0	11
7	Ultrasensitive Strain Sensor Based on Separation of Overlapped Carbon Nanotubes. <i>Small</i> , 2019, 15, e1805120.	10.0	144
8	Carbon nanotubes network contact lubrication for highly reliable MEMS switch. , 2017, , .		4
9	Piezoelectric and electromagnetic hybrid energy harvester using two cantilevers for frequency up-conversion. , 2017, , .		11
10	Triboelectric energy harvester using frequency up-conversion to generate from extremely low frequency strain inputs. , 2017, , .		1
11	Fabrication of carbon nanotube-coated fabric for highly sensitive pressure sensor. , 2017, , .		6
12	Wind-powered triboelectric energy harvester using curved flapping film array. , 2017, , .		2
13	Piezoelectric energy harvester converting strain energy into kinetic energy for extremely low frequency operation. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	33
14	Acid-sensitive pH sensor using electrolysis and a microfluidic channel for read-out amplification. <i>RSC Advances</i> , 2014, 4, 39634.	3.6	3
15	Highly sensitive cantilever type chemo-mechanical hydrogen sensor based on contact resistance of self-adjusted carbon nanotube arrays. <i>Sensors and Actuators B: Chemical</i> , 2014, 197, 414-421.	7.8	5
16	Using Confined Self-Adjusting Carbon Nanotube Arrays as High-Sensitivity Displacement Sensing Element. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 10181-10187.	8.0	13