Yufang Li

List of Publications by Year in Descending Order

22 papers	8,351 citations	20 h-index	23 g-index
23 ext. papers	9,845 ext. citations	16.1 avg, IF	6.64 L-index

#	Paper	IF	Citations
22	Magnesium Anodes with Extended Cycling Stability for Lithium-Ion Batteries. *Advanced Functional Materials*, **2019**, 29, 1806400	15.6	9
21	Hybridized Nanogenerators for Harvesting Vibrational Energy by TriboelectricPiezoelectricElectromagnetic Effects. *Advanced Materials Technologies*, **2018**, 3, 1800019	6.8	25
20	Multishelled Si@Cu Microparticles Supported on 3D Cu Current Collectors for Stable and Binder-free Anodes of Lithium-Ion Batteries. *ACS Nano*, **2018**, 12, 3587-3599	16.7	56
19	Natural Leaf Made Triboelectric Nanogenerator for Harvesting Environmental Mechanical Energy. *Advanced Energy Materials*, **2018**, 8, 1703133	21.8	151
18	Flexible Timbo-Like Triboelectric Nanogenerator as Self-Powered Force and Bend Sensor for Wireless and Distributed Landslide Monitoring. *Advanced Materials Technologies*, **2018**, 3, 1800144	6.8	33
17	Reviving Vibration Energy Harvesting and Self-Powered Sensing by a Triboelectric Nanogenerator. *Joule*, **2017**, 1, 480-521	27.8	487
16	Triboelectric Nanogenerator: Single-Electrode Mode. *Green Energy and Technology*, **2016**, 91-107	0.6	9
15	Efficient Charging of Li-Ion Batteries with Pulsed Output Current of Triboelectric Nanogenerators. *Advanced Science*, **2016**, 3, 1500255	13.6	98
14	Theoretical study on the top- and enclosed-contacted single-layer MoS2 piezotronic transistors. *Applied Physics Letters*, **2016**, 108, 181603	3.4	9
13	All-Elastomer-Based Triboelectric Nanogenerator as a Keyboard Cover To Harvest Typing Energy. *ACS Nano*, **2016**, 10, 7973-81	16.7	72
12	Progress in triboelectric nanogenerators as a new energy technology and self-powered sensors. *Energy and Environmental Science*, **2015**, 8, 2250-2282	35.4	1326
11	Single-electrode-based rotationary triboelectric nanogenerator and its applications as self-powered contact area and eccentric angle sensors. *Nano Energy*, **2015**, 11, 323-332	17.1	63
10	Transparent and flexible barcode based on sliding electrification for self-powered identification systems. *Nano Energy*, **2015**, 12, 278-286	17.1	32
9	A theoretical study of grating structured triboelectric nanogenerators. *Energy and Environmental Science*, **2014**, 7, 2339-2349	35.4	154
8	Case-encapsulated triboelectric nanogenerator for harvesting energy from reciprocating sliding motion. *ACS Nano*, **2014**, 8, 3836-42	16.7	119
7	Dipole-moment-induced effect on contact electrification for triboelectric nanogenerators. *Nano Research*, **2014**, 7, 990-997	10	139
6	Maximum surface charge density for triboelectric nanogenerators achieved by ionized-air injection: methodology and theoretical understanding. *Advanced Materials*, **2014**, 26, 6720-8	24	368

5	Cylindrical rotating triboelectric nanogenerator. *ACS Nano*, **2013**, 7, 6361-6	16.7	201
4	Toward large-scale energy harvesting by a nanoparticle-enhanced triboelectric nanogenerator. *Nano Letters*, **2013**, 13, 847-53	11.5	804
3	A self-powered triboelectric nanosensor for mercury ion detection. *Angewandte Chemie - International Edition*, **2013**, 52, 5065-9	16.4	270
2	Nanoscale triboelectric-effect-enabled energy conversion for sustainably powering portable electronics. *Nano Letters*, **2012**, 12, 6339-46	11.5	840
1	Flexible triboelectric generator. *Nano Energy*, **2012**, 1, 328-334	17.1	3065