

# Yufang Li

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9281694/publications.pdf>

Version: 2024-02-01

22  
papers

11,488  
citations

361045

20  
h-index

642321

23  
g-index

23  
all docs

23  
docs citations

23  
times ranked

6454  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible triboelectric generator. <i>Nano Energy</i> , 2012, 1, 328-334.	8.2	4,578
2	Progress in triboelectric nanogenerators as a new energy technology and self-powered sensors. <i>Energy and Environmental Science</i> , 2015, 8, 2250-2282.	15.6	1,723
3	Nanoscale Triboelectric-Effect-Enabled Energy Conversion for Sustainably Powering Portable Electronics. <i>Nano Letters</i> , 2012, 12, 6339-6346.	4.5	1,062
4	Toward Large-Scale Energy Harvesting by a Nanoparticle-Enhanced Triboelectric Nanogenerator. <i>Nano Letters</i> , 2013, 13, 847-853.	4.5	979
5	Reviving Vibration Energy Harvesting and Self-Powered Sensing by a Triboelectric Nanogenerator. <i>Joule</i> , 2017, 1, 480-521.	11.7	748
6	Maximum Surface Charge Density for Triboelectric Nanogenerators Achieved by Ionized Air Injection: Methodology and Theoretical Understanding. <i>Advanced Materials</i> , 2014, 26, 6720-6728.	11.1	517
7	A Self-Powered Triboelectric Nanosensor for Mercury Ion Detection. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5065-5069.	7.2	323
8	Cylindrical Rotating Triboelectric Nanogenerator. <i>ACS Nano</i> , 2013, 7, 6361-6366.	7.3	249
9	Natural Leaf Made Triboelectric Nanogenerator for Harvesting Environmental Mechanical Energy. <i>Advanced Energy Materials</i> , 2018, 8, 1703133.	10.2	230
10	A theoretical study of grating structured triboelectric nanogenerators. <i>Energy and Environmental Science</i> , 2014, 7, 2339-2349.	15.6	194
11	Dipole-moment-induced effect on contact electrification for triboelectric nanogenerators. <i>Nano Research</i> , 2014, 7, 990-997.	5.8	180
12	Case-Encapsulated Triboelectric Nanogenerator for Harvesting Energy from Reciprocating Sliding Motion. <i>ACS Nano</i> , 2014, 8, 3836-3842.	7.3	137
13	Efficient Charging of Li-Ion Batteries with Pulsed Output Current of Triboelectric Nanogenerators. <i>Advanced Science</i> , 2016, 3, 1500255.	5.6	122
14	All-Elastomer-Based Triboelectric Nanogenerator as a Keyboard Cover To Harvest Typing Energy. <i>ACS Nano</i> , 2016, 10, 7973-7981.	7.3	96
15	Single-electrode-based rotary triboelectric nanogenerator and its applications as self-powered contact area and eccentric angle sensors. <i>Nano Energy</i> , 2015, 11, 323-332.	8.2	91
16	Multishelled Si@Cu Microparticles Supported on 3D Cu Current Collectors for Stable and Binder-free Anodes of Lithium-Ion Batteries. <i>ACS Nano</i> , 2018, 12, 3587-3599.	7.3	74
17	Flexible Timbó-Like Triboelectric Nanogenerator as Self-Powered Force and Bend Sensor for Wireless and Distributed Landslide Monitoring. <i>Advanced Materials Technologies</i> , 2018, 3, 1800144.	3.0	50
18	Hybridized Nanogenerators for Harvesting Vibrational Energy by Triboelectric-Piezoelectric-Electromagnetic Effects. <i>Advanced Materials Technologies</i> , 2018, 3, 1800019.	3.0	35

#	ARTICLE	IF	CITATIONS
19	Transparent and flexible barcode based on sliding electrification for self-powered identification systems. <i>Nano Energy</i> , 2015, 12, 278-286.	8.2	34
20	Triboelectric Nanogenerator: Single-Electrode Mode. <i>Green Energy and Technology</i> , 2016, , 91-107.	0.4	21
21	Magnesium Anodes with Extended Cycling Stability for Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2019, 29, 1806400.	7.8	12
22	Theoretical study on the top- and enclosed-contacted single-layer MoS <sub>2</sub> piezotronic transistors. <i>Applied Physics Letters</i> , 2016, 108, 181603.	1.5	11