

Yanqin Yang

List of Publications by Year in descending order

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19
papers

2,232
citations

430754

18
h-index

794469

19
g-index

19
all docs

19
docs citations

19
times ranked

2222
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquid-Metal-Based Super-Stretchable and Structure-Designable Triboelectric Nanogenerator for Wearable Electronics. <i>ACS Nano</i> , 2018, 12, 2027-2034.	7.3	353
2	A Wrinkled PEDOT:PSS Film Based Stretchable and Transparent Triboelectric Nanogenerator for Wearable Energy Harvesters and Active Motion Sensors. <i>Advanced Functional Materials</i> , 2018, 28, 1803684.	7.8	286
3	Progress in TENG technology—A journey from energy harvesting to nanoenergy and nanosystem. <i>EcoMat</i> , 2020, 2, e12058.	6.8	194
4	Technology evolution from self-powered sensors to AIoT enabled smart homes. <i>Nano Energy</i> , 2021, 79, 105414.	8.2	177
5	An anti-freezing hydrogel based stretchable triboelectric nanogenerator for biomechanical energy harvesting at sub-zero temperature. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13787-13794.	5.2	126
6	Wearable Triboelectric “Human–Machine Interface (THMI) Using Robust Nanophotonic Readout. <i>ACS Nano</i> , 2020, 14, 8915-8930.	7.3	121
7	Multifunctional power unit by hybridizing contact-separate triboelectric nanogenerator, electromagnetic generator and solar cell for harvesting blue energy. <i>Nano Energy</i> , 2017, 39, 608-615.	8.2	117
8	Spiral Steel Wire-Based Fiber-Shaped Stretchable and Tailorable Triboelectric Nanogenerator for Wearable Power Source and Active Gesture Sensor. <i>Nano-Micro Letters</i> , 2019, 11, 39.	14.4	114
9	Coaxial Triboelectric Nanogenerator and Supercapacitor Fiber-Based Self-Charging Power Fabric. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 42356-42362.	4.0	108
10	Near-infrared irradiation induced remote and efficient self-healable triboelectric nanogenerator for potential implantable electronics. <i>Nano Energy</i> , 2018, 51, 333-339.	8.2	106
11	All flexible electrospun papers based self-charging power system. <i>Nano Energy</i> , 2017, 38, 210-217.	8.2	97
12	Smart materials for smart healthcare—moving from sensors and actuators to self-sustained nanoenergy nanosystems. <i>Smart Materials in Medicine</i> , 2020, 1, 92-124.	3.7	85
13	Artificial Intelligence of Things (AIoT) Enabled Floor Monitoring System for Smart Home Applications. <i>ACS Nano</i> , 2021, 15, 18312-18326.	7.3	80
14	Flexible self-charging power units for portable electronics based on folded carbon paper. <i>Nano Research</i> , 2018, 11, 4313-4322.	5.8	78
15	Atmospheric pressure difference driven triboelectric nanogenerator for efficiently harvesting ocean wave energy. <i>Nano Energy</i> , 2018, 54, 156-162.	8.2	65
16	Impedance Matching Effect between a Triboelectric Nanogenerator and a Piezoresistive Pressure Sensor Induced Self-Powered Weighing. <i>Advanced Materials Technologies</i> , 2018, 3, 1800054.	3.0	49
17	Constructing highly tribopositive elastic yarn through interfacial design and assembly for efficient energy harvesting and human-interactive sensing. <i>Nano Energy</i> , 2022, 94, 106956.	8.2	36
18	Progress of Advanced Devices and Internet of Things Systems as Enabling Technologies for Smart Homes and Health Care. <i>ACS Materials Au</i> , 2022, 2, 394-435.	2.6	31

#	ARTICLE	IF	CITATIONS
19	Self-Powered Gyroscope Angle Sensor Based on Resistive Matching Effect of Triboelectric Nanogenerator. <i>Advanced Materials Technologies</i> , 2021, 6, 2100797.	3.0	9