Jie An

List of Publications by Year
in descending order

19	1,851	516710 16	888059 17
papers	citations	h-index	g-index

19	19	19	981
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Flexible Filmâ€Dischargeâ€Switch Assisted Universal Power Management System for the Four Operation Modes of Triboelectric Nanogenerators. Advanced Energy Materials, 2022, 12, .	19.5	19
2	Rehabilitation of Total Knee Arthroplasty by Integrating Conjoint Isometric Myodynamia and Realâ€Time Rotation Sensing System. Advanced Science, 2022, 9, e2105219.	11.2	28
3	Underwater wireless communication via TENG-generated Maxwellâ€™s displacement current. Nature Communications, 2022, 13, .	12.8	73
4	Stretchable, Washable, and Ultrathin Triboelectric Nanogenerators as Skinâ€Like Highly Sensitive Selfâ€Powered Haptic Sensors. Advanced Functional Materials, 2021, 31, .	14.9	155
5	Superâ€Durable, Lowâ€Wear, and Highâ€Performance Furâ€Brush Triboelectric Nanogenerator for Wind and Water Energy Harvesting for Smart Agriculture. Advanced Energy Materials, 2021, 11, 2003066.	19.5	189
6	UV-Protective, Self-Cleaning, and Antibacterial Nanofiber-Based Triboelectric Nanogenerators for Self-Powered Human Motion Monitoring. ACS Applied Materials & Interfaces, 2021, 13, 11205-11214.	8.0	111
7	Active-Sensing Epidermal Stretchable Bioelectronic Patch for Noninvasive, Conformal, and Wireless Tendon Monitoring. Research, 2021, 2021, 9783432.	5.7	6
8	Swingâ€Structured Triboelectricâ€“Electromagnetic Hybridized Nanogenerator for Breeze Wind Energy Harvesting. Advanced Materials Technologies, 2021, 6, 2100496.	5.8	45
9	Arcâ€Shaped Triboelectric Nanogenerator Based on Rolling Structure for Harvesting Lowâ€Frequency Water Wave Energy. Advanced Materials Technologies, 2021, 6, 2100359.	5.8	18
10	Segmented Swingâ€Structured Furâ€Based Triboelectric Nanogenerator for Harvesting Blue Energy toward Marine Environmental Applications. Advanced Functional Materials, 2021, 31, 2106398.	14.9	95
11	Triboelectric Nanogenerator Network Integrated with Charge Excitation Circuit for Effective Water Wave Energy Harvesting. Advanced Energy Materials, 2020, 10, 2002123.	19.5	154
12	Robust Swingâ€Structured Triboelectric Nanogenerator for Efficient Blue Energy Harvesting. Advanced Energy Materials, 2020, 10, 2000064.	19.5	212
13	Shape adaptable and highly resilient 3D braided triboelectric nanogenerators as e-textiles for power and sensing. Nature Communications, 2020, 11, 2868.	12.8	285
14	A Selfâ€Powered Angle Sensor at Nanoradianâ€Resolution for Robotic Arms and Personalized Medicare. Advanced Materials, 2020, 32, e2001466.	21.0	93
15	Cylindrical triboelectric nanogenerator based on swing structure for efficient harvesting of ultra-low-frequency water wave energy. Applied Physics Reviews, 2020, 7, 021401.	11.3	73
16	Whirlingâ€Folded Triboelectric Nanogenerator with High Average Power for Water Wave Energy Harvesting. Advanced Functional Materials, 2019, 29, 1904867.	14.9	98
17	Tiltingâ€Sensitive Triboelectric Nanogenerators for Energy Harvesting from Unstable/Fluctuating Surfaces. Advanced Functional Materials, 2019, 29, 1905319.	14.9	27
18	A Triboelectricâ€“Electromagnetic Hybrid Nanogenerator with Broadband Working Range for Wind Energy Harvesting and a Self-Powered Wind Speed Sensor. ACS Energy Letters, 0, , 1443-1452.	17.4	110

#	Article	IF	Citations
19	Rationally segmented triboelectric nanogenerator with a constant direct-current output and low crest factor. Energy and Environmental Science, 0, , .	30.8	60