

Jing Xu

List of Publications by Year in descending order

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16
papers

1,397
citations

566801

15
h-index

887659

17
g-index

17
all docs

17
docs citations

17
times ranked

630
citing authors

#	ARTICLE	IF	CITATIONS
1	Giant magnetoelastic effect in soft systems for bioelectronics. <i>Nature Materials</i> , 2021, 20, 1670-1676.	13.3	175
2	Ambulatory Cardiovascular Monitoring Via a Machine Learning-Assisted Textile Triboelectric Sensor. <i>Advanced Materials</i> , 2021, 33, e2104178.	11.1	167
3	Soft fibers with magnetoelasticity for wearable electronics. <i>Nature Communications</i> , 2021, 12, 6755.	5.8	150
4	Engineering Materials at the Nanoscale for Triboelectric Nanogenerators. <i>Cell Reports Physical Science</i> , 2020, 1, 100142.	2.8	130
5	Advances in Nanostructures for High-Performance Triboelectric Nanogenerators. <i>Advanced Materials Technologies</i> , 2021, 6, 2000916.	3.0	94
6	Discovering giant magnetoelasticity in soft matter for electronic textiles. <i>Matter</i> , 2021, 4, 3725-3740.	5.0	94
7	Ternary Electrification Layered Architecture for High-Performance Triboelectric Nanogenerators. <i>ACS Nano</i> , 2020, 14, 9050-9058.	7.3	88
8	A hand-driven portable triboelectric nanogenerator using whirligig spinning dynamics. <i>Nano Energy</i> , 2021, 83, 105845.	8.2	81
9	Wearable Biosensors for Non-Invasive Sweat Diagnostics. <i>Biosensors</i> , 2021, 11, 245.	2.3	75
10	A Deep Learning-Assisted On-Mask Sensor Network for Adaptive Respiratory Monitoring. <i>Advanced Materials</i> , 2022, 34, e2200252.	11.1	72
11	Triboelectric Nanogenerator Enabled Smart Shoes for Wearable Electricity Generation. <i>Research</i> , 2020, 2020, 7158953.	2.8	67
12	Giant Magnetoelastic Effect Enabled Stretchable Sensor for Self-Powered Biomonitoring. <i>ACS Nano</i> , 2022, 16, 6013-6022.	7.3	59
13	Machine-Learning-Aided Self-Powered Assistive Physical Therapy Devices. <i>ACS Nano</i> , 2021, 15, 18633-18646.	7.3	53
14	Leverage Surface Chemistry for High-Performance Triboelectric Nanogenerators. <i>Frontiers in Chemistry</i> , 2020, 8, 577327.	1.8	45
15	All-in-one conformal epidermal patch for multimodal biosensing. <i>Matter</i> , 2021, 4, 1102-1105.	5.0	36
16	Triboelectric Nanogenerators: Advances in Nanostructures for High-Performance Triboelectric Nanogenerators (<i>Adv. Mater. Technol.</i> 3/2021). <i>Advanced Materials Technologies</i> , 2021, 6, 2170016.	3.0	8