Xinyu Du

List of Publications by Year
in descending order

16	1,076	700390 12	895490 16
papers	citations	h-index	g-index

16	16	16	1710
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Screen-Printed Washable Electronic Textiles as Self-Powered Touch/Gesture Tribo-Sensors for Intelligent Humanâ€“Machine Interaction. ACS Nano, 2018, 12, 5190-5196.	15.3	405
2	Self-Powered Electrospinning System Driven by a Triboelectric Nanogenerator. ACS Nano, 2017, 11, 10439-10445.	15.3	170
3	Self-powered nanofiber-based screen-print triboelectric sensors for respiratory monitoring. Nano Research, 2018, 11, 3771-3779.	10.6	122
4	Improved Triboelectric Nanogenerator Output Performance through Polymer Nanocomposites Filled with Coreâ€“shell-Structured Particles. ACS Applied Materials & Interfaces, 2018, 10, 25683-25688.	8.3	53
5	Ultra-robust triboelectric nanogenerator for harvesting rotary mechanical energy. Nano Research, 2018, 11, 2862-2871.	10.6	47
6	All-Nanofiber-Based Ultralight Stretchable Triboelectric Nanogenerator for Self-Powered Wearable Electronics. ACS Applied Energy Materials, 2018, 1, 2326-2332.	5.3	47
7	A Compound Yarn Based Wearable Triboelectric Nanogenerator for Selfâ€Powered Wearable Electronics. Advanced Materials Technologies, 2018, 3, 1800065.	6.2	42
8	Hybridized Nanogenerators for Harvesting Vibrational Energy by Triboelectricâ€“Piezoelectricâ€“Electromagnetic Effects. Advanced Materials Technologies, 2018, 3, 1800019.	6.2	37
9	A Flexible, Lightweight, and Wearable Triboelectric Nanogenerator for Energy Harvesting and Selfâ€Powered Sensing. Advanced Materials Technologies, 2019, 4, 1800216.	6.2	35
10	Polymer nanocomposite-enabled high-performance triboelectric nanogenerator with self-healing capability. RSC Advances, 2018, 8, 30661-30668.	3.7	28
11	Triboelectricâ€Based Transparent Secret Code. Advanced Science, 2018, 5, 1700881.	12.4	27
12	Lithium-Ion Batteries: Charged by Triboelectric Nanogenerators with Pulsed Output Based on the Enhanced Cycling Stability. ACS Applied Materials & Interfaces, 2018, 10, 8676-8684.	8.3	19
13	Poly(vinylidene fluoride-hexafluoropropylene) based blend film for ultrahigh energy density capacitor applications. Journal Physics D: Applied Physics, 2018, 51, 255306.	2.9	13
14	Triboelectric Nanogenerator-Enabled Dendrite-Free Lithium Metal Batteries. ACS Applied Materials & Interfaces, 2019, 11, 802-810.	8.3	13
15	High-Performance Electronic Cloth for Facilitating the Rehabilitation of Human Joints. ACS Applied Materials & Interfaces, 2019, 11, 22722-22729.	8.3	9
16	Efficient Charging of Lithiumâ€“Sulfur Batteries by Triboelectric Nanogenerator Based on Pulse Current. Advanced Materials Technologies, 2019, 4, 1800326.	6.2	9