

Yuxiang Shi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/53852/publications.pdf>

Version: 2024-02-01

18
papers

983
citations

567281

15
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

562
citing authors

#	ARTICLE	IF	CITATIONS
1	Contributions of Different Functional Groups to Contact Electrification of Polymers. <i>Advanced Materials</i> , 2020, 32, e2001307.	21.0	194
2	Sustainable high-voltage source based on triboelectric nanogenerator with a charge accumulation strategy. <i>Energy and Environmental Science</i> , 2020, 13, 2178-2190.	30.8	166
3	Self-powered electro-tactile system for virtual tactile experiences. <i>Science Advances</i> , 2021, 7, .	10.3	161
4	Monitoring the Degree of Comfort of Shoes In-Motion Using Triboelectric Pressure Sensors with an Ultrawide Detection Range. <i>ACS Nano</i> , 2022, 16, 4654-4665.	14.6	90
5	Fabrication of triboelectric polymer films via repeated rheological forging for ultrahigh surface charge density. <i>Nature Communications</i> , 2022, 13, .	12.8	79
6	Triboelectric Polymer with High Thermal Charge Stability for Harvesting Energy from 200°C Flowing Air. <i>Advanced Functional Materials</i> , 2021, 31, 2106082.	14.9	53
7	Fish-Wearable Data Snooping Platform for Underwater Energy Harvesting and Fish Behavior Monitoring. <i>Small</i> , 2022, 18, e2107232.	10.0	36
8	Effect of Photo-Excitation on Contact Electrification at Liquid-Solid Interface. <i>ACS Nano</i> , 2021, 15, 10609-10617.	14.6	30
9	Self-Powered Persistent Phosphorescence for Reliable Optical Display. <i>ACS Energy Letters</i> , 2021, 6, 3132-3140.	17.4	25
10	Crystallization-Induced Shift in a Triboelectric Series and Even Polarity Reversal for Elastic Triboelectric Materials. <i>Nano Letters</i> , 2022, 22, 4074-4082.	9.1	25
11	Self-Powered Room-Temperature Ethanol Sensor Based on Brush-Shaped Triboelectric Nanogenerator. <i>Research</i> , 2021, 2021, 8564780.	5.7	24
12	Thermochromic triboelectric nanogenerator enabling direct visualization of temperature change during operation. <i>Chemical Engineering Journal</i> , 2020, 388, 124369.	12.7	23
13	CNTs/Wood Composite Nanogenerator for Producing Both Steam and Electricity. <i>ACS Applied Electronic Materials</i> , 2021, 3, 5287-5295.	4.3	19
14	Water purification system based on self-powered ozone production. <i>Nano Energy</i> , 2021, 88, 106230.	16.0	17
15	Study of Contact Electrification at Liquid-Gas Interface. <i>ACS Nano</i> , 2021, 15, 18206-18213.	14.6	17
16	A universal managing circuit with stabilized voltage for maintaining safe operation of self-powered electronics system. <i>IScience</i> , 2021, 24, 102502.	4.1	15
17	A Review: Contact Electrification on Special Interfaces. <i>Frontiers in Materials</i> , 0, 9, .	2.4	8
18	Fish-Wearable Data Snooping Platform for Underwater Energy Harvesting and Fish Behavior Monitoring (Small 10/2022). <i>Small</i> , 2022, 18, .	10.0	1