Fan Wang

List of Publications by Year
in descending order

20 papers	914 citations	567281 15 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	1034 citing authors

#	Article	IF	Citations
1	Self-powered electro-tactile system for virtual tactile experiences. Science Advances, 2021, 7, .	10.3	161
2	Self-Powered Room-Temperature Ethanol Sensor Based on Brush-Shaped Triboelectric Nanogenerator. Research, 2021, 2021, 8564780.	5.7	24
3	A universal managing circuit with stabilized voltage for maintaining safe operation of self-powered electronics system. IScience, 2021, 24, 102502.	4.1	15
4	Improvement of Conversion Efficiency from <scp>d</scp>-Glucose to <scp>d</scp>-Allulose by Whole-Cell Catalysts with Deep Eutectic Solvents. ACS Food Science & Technology, 2021, 1, 1323-1332.	2.7	3
5	Study of Contact Electrification at Liquid-Gas Interface. ACS Nano, 2021, 15, 18206-18213.	14.6	17
6	CNTs/Wood Composite Nanogenerator for Producing Both Steam and Electricity. ACS Applied Electronic Materials, 2021, 3, 5287-5295.	4.3	19
7	A sustainable system for maleic acid synthesis from biomassâ€derived sugar. Journal of Chemical Technology and Biotechnology, 2020, 95, 751-757.	3.2	16
8	Selfâ€Powered Sensor Based on Bionic Antennae Arrays and Triboelectric Nanogenerator for Identifying Noncontact Motions. Advanced Materials Technologies, 2020, 5, 1900789.	5.8	33
9	Dripping Channel Based Liquid Triboelectric Nanogenerators for Energy Harvesting and Sensing. ACS Nano, 2020, 14, 10510-10517.	14.6	60
10	Contributions of Different Functional Groups to Contact Electrification of Polymers. Advanced Materials, 2020, 32, e2001307.	21.0	194
11	Sustainable high-voltage source based on triboelectric nanogenerator with a charge accumulation strategy. Energy and Environmental Science, 2020, 13, 2178-2190.	30.8	166
12	Influence of Cu²⁺ doping concentration on the catalytic activity of Cu_xCo_{3âˆ’x}O₄ for rechargeable Liâ€“O₂ batteries. Journal of Materials Chemistry A, 2017, 5, 18569-18576.	10.3	13
13	Assembly of Multifunctional Ni₂P/NiS_{0.66} Heterostructures and Their Superstructure for High Lithium and Sodium Anodic Performance. ACS Applied Materials & Interfaces, 2017, 9, 28549-28557.	8.0	26
14	CNT@MnO₂ Hybrid as Cathode Catalysts Toward Longâ€Life Lithium Oxygen Batteries. ChemistrySelect, 2016, 1, 6749-6754.	1.5	6
15	Cobalt-Metal-Based Cathode for Lithiumâ€“Oxygen Battery with Improved Electrochemical Performance. ACS Catalysis, 2016, 6, 4149-4153.	11.2	38
16	The Influence of Electrode Microstructure on the Performance of Free-Standing Cathode for Aprotic Lithium-Oxygen Battery. Jom, 2016, 68, 2585-2592.	1.9	7
17	Synthesis of Î±-MnO₂nanowires modified by Co₃O₄nanoparticles as a high-performance catalyst for rechargeable Liâ€“O₂batteries. Physical Chemistry Chemical Physics, 2016, 18, 926-931.	2.8	46
18	Reduced free-standing Co₃O₄@Ni cathode for lithiumâ€“oxygen batteries with enhanced electrochemical performance. RSC Advances, 2016, 6, 16263-16267.	3.6	16

#	Article	IF	Citations
19	Facile synthesis of Fe@Fe2O3 core-shell nanowires as O2 electrode for high-energy Li-O2 batteries. Journal of Solid State Electrochemistry, 2016, 20, 1831-1836.	2.5	18
20	Open mesoporous spherical shell structured Co3O4with highly efficient catalytic performance in Liâ€"O2batteries. Journal of Materials Chemistry A, 2015, 3, 7600-7606.	10.3	36