Pengcheng Sun

List of Publications by Year
in descending order

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22	1,065	687363 13	713466 21
papers	citations	h-index	g-index

23	23	23	1822
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Compact 3D Metal Collectors Enabled by Rollâ€toâ€Roll Nanoimprinting for Improving Capacitive Energy Storage. Small Methods, 2022, 6, e2101539.	8.6	5
2	Highâ€Performance Packaged 3D Lithiumâ€Ion Microbatteries Fabricated Using Imprint Lithography. Advanced Materials, 2021, 33, e2006229.	21.0	43
3	Improved synthesis of Ti₃C₂T_x MXenes resulting in exceptional electrical conductivity, high synthesis yield, and enhanced capacitance. Nanoscale, 2021, 13, 3572-3580.	5.6	228
4	Tuning the Mechanical and Electrical Properties of Porous Electrodes for Architecting 3D Microsupercapacitors with Batteriesâ€Level Energy. Advanced Science, 2021, 8, e2004957.	11.2	16
5	A Nearly Packagingâ€Free Design Paradigm for Light, Powerful, and Energyâ€Dense Primary Microbatteries. Advanced Materials, 2021, 33, e2101760.	21.0	17
6	A Nearly Packagingâ€Free Design Paradigm for Light, Powerful, and Energyâ€Dense Primary Microbatteries (Adv. Mater. 35/2021). Advanced Materials, 2021, 33, 2170275.	21.0	0
7	Scalable fabrication of high-performance micro-supercapacitors by embedding thick interdigital microelectrodes into microcavities. Nanoscale, 2019, 11, 19772-19782.	5.6	7
8	High capacity 3D structured tin-based electroplated Li-ion battery anodes. Energy Storage Materials, 2019, 17, 151-156.	18.0	36
9	High energy flexible supercapacitors formed via bottom-up infilling of gel electrolytes into thick porous electrodes. Nature Communications, 2018, 9, 2578.	12.8	121
10	Bimetallic Cuâ€“Pd alloy multipods and their highly electrocatalytic performance for formic acid oxidation and oxygen reduction. Journal of Materials Chemistry A, 2017, 5, 4421-4429.	10.3	174
11	Electroplating lithium transition metal oxides. Science Advances, 2017, 3, e1602427.	10.3	62
12	Reduced Graphene Oxide/LiI Composite Lithium Ion Battery Cathodes. Nano Letters, 2017, 17, 6893-6899.	9.1	67
13	Two-dimensional IrO2/MnO2 enabling conformal growth of amorphous Li2O2 for high-performance Liâ€“O2 batteries. Energy Storage Materials, 2017, 9, 206-213.	18.0	32
14	High Volumetric Capacity Three-Dimensionally Sphere-Caged Secondary Battery Anodes. Nano Letters, 2016, 16, 4501-4507.	9.1	62
15	PTC MWCNT/DI-water switchable composites. Journal of Materials Chemistry A, 2015, 3, 5270-5274.	10.3	5
16	Tribological Behaviour of a Lubricant Oil Containing Boron Nitride Nanoparticles. Procedia Engineering, 2015, 102, 1038-1045.	1.2	107
17	Carbon black/octadecane composites for room temperature electrical and thermal regulation. Carbon, 2015, 94, 417-423.	10.3	24
18	Rheological and tribological behaviour of lubricating oils containing platelet MoS2 nanoparticles. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	43

#	Article	IF	Citations
19	Improved field electron emission from SiC assisted carbon nanorod/nanotube heterostructured arrays by using energetic Si ion irradiation. Surface and Coatings Technology, 2013, 228, S323-S327.	4.8	6
20	Enhanced Electron Field Emission from Carbon Nanotubes Irradiated by Energetic C Ions. Journal of Nanoscience and Nanotechnology, 2012, 12, 6510-6515.	0.9	5
21	H plasma processing triggered phase transformation from DLC to diamond nano-particles. Diamond and Related Materials, 2012, 25, 45-49.	3.9	1
22	Adhesive Enhancement Improved Field Emission Characteristics of Carbon Nanotube Arrays on Energetic Ion Pre-Bombarded Si Substrates. Key Engineering Materials, 2011, 483, 589-594.	0.4	4