

# Daozhi Shen

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

903  
citations

567144

15  
h-index

580701

25  
g-index

26  
all docs

26  
docs citations

26  
times ranked

942  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Powered Wearable Electronics Based on Moisture Enabled Electricity Generation. <i>Advanced Materials</i> , 2018, 30, e1705925.	11.1	207
2	Moisture-Enabled Electricity Generation: From Physics and Materials to Self-Powered Applications. <i>Advanced Materials</i> , 2020, 32, e2003722.	11.1	175
3	Self-Powered, Rapid-Response, and Highly Flexible Humidity Sensors Based on Moisture-Dependent Voltage Generation. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 14249-14255.	4.0	74
4	Scalable High-Performance Ultraminiature Graphene Micro-Supercapacitors by a Hybrid Technique Combining Direct Writing and Controllable Microdroplet Transfer. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 5404-5412.	4.0	54
5	Threshold Switching in Single Metal-Oxide Nanobelt Devices Emulating an Artificial Nociceptor. <i>Advanced Electronic Materials</i> , 2020, 6, 1900595.	2.6	35
6	Oxygen vacancy migration/diffusion induced synaptic plasticity in a single titanate nanobelt. <i>Nanoscale</i> , 2018, 10, 6069-6079.	2.8	30
7	Cooperative Bilayer of Lattice-Disordered Nanoparticles as Room-Temperature Sinterable Nanoarchitecture for Device Integrations. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 16972-16980.	4.0	30
8	Exhaling-Driven Hydroelectric Nanogenerators for Stand-Alone Nonmechanical Breath Analyzing. <i>Advanced Materials Technologies</i> , 2020, 5, 1900819.	3.0	27
9	Laser-induced Joining of Nanoscale Materials: Processing, Properties, and Applications. <i>Nano Today</i> , 2020, 35, 100959.	6.2	25
10	High-Performance Magnesium-Carbon Nanofiber Hygroelectric Generator Based on Interface-Mediation-Enhanced Capacitive Discharging Effect. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 24289-24297.	4.0	25
11	Self-powered, flexible and remote-controlled breath monitor based on TiO <sub>2</sub> nanowire networks. <i>Nanotechnology</i> , 2019, 30, 325503.	1.3	24
12	A Simple High Power, Fast Response Streaming Potential/Current-Based Electric Nanogenerator Using a Layer of Al <sub>2</sub> O <sub>3</sub> Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 27169-27178.	4.0	22
13	A Self-Powered Nanogenerator for the Electrical Protection of Integrated Circuits from Trace Amounts of Liquid. <i>Nano-Micro Letters</i> , 2020, 12, 5.	14.4	20
14	Cold welding of Ag nanowires by large plastic deformation. <i>Scripta Materialia</i> , 2016, 114, 112-116.	2.6	18
15	Multifunctional Self-Powered Electronics Based on a Reusable Low-Cost Polypropylene Fabric Triboelectric Nanogenerator. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 34266-34273.	4.0	18
16	Water-Enabled Electricity Generation: A Perspective. <i>Advanced Energy and Sustainability Research</i> , 2022, 3, .	2.8	17
17	Sintering mechanism of Ag-Pd nanoalloy film for power electronic packaging. <i>Applied Surface Science</i> , 2021, 554, 149579.	3.1	15
18	Femtosecond Laser Irradiation-Mediated MoS <sub>2</sub> -Metal Contact Engineering for High-Performance Field-Effect Transistors and Photodetectors. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 54246-54257.	4.0	15

#	ARTICLE	IF	CITATIONS
19	Heterogeneous stimuli induced nonassociative learning behavior in ZnO nanowire memristor. <i>Nanotechnology</i> , 2020, 31, 125201.	1.3	14
20	Investigation of splashing phenomena during the impact of molten sub-micron gold droplets on solid surfaces. <i>Soft Matter</i> , 2016, 12, 295-301.	1.2	13
21	Super black iron nanostructures with broadband ultralow reflectance for efficient photothermal conversion. <i>Applied Surface Science</i> , 2020, 521, 146388.	3.1	12
22	Annealing-induced highly-conductive and stable Cu-organic composite nanoparticles with hierarchical structures. <i>Journal of Alloys and Compounds</i> , 2015, 636, 1-7.	2.8	9
23	Wearable Electronics: Self-Powered Wearable Electronics Based on Moisture Enabled Electricity Generation ( <i>Adv. Mater.</i> 18/2018). <i>Advanced Materials</i> , 2018, 30, 1870128.	11.1	7
24	Investigation of impact and spreading of molten nanosized gold droplets on solid surfaces. <i>Applied Optics</i> , 2018, 57, 2080.	0.9	6
25	High-Performance Mid-IR to Deep-UV van der Waals Photodetectors Capable of Local Spectroscopy at Room Temperature. <i>Nano Letters</i> , 2022, 22, 3425-3432.	4.5	6
26	Cu-Cu bonding by Ag nanostructure at low temperature of 180 Å°C. , 2015, , .		5