

Xi Chen

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,615
citations

759233

12
h-index

888059

17
g-index

22
all docs

22
docs citations

22
times ranked

2424
citing authors

#	ARTICLE	IF	CITATIONS
1	High Energy and Power Density Peptidoglycan Muscles through Super-Viscous Nanoconfined Water. <i>Advanced Science</i> , 2022, 9, e2104697.	11.2	14
2	Piezoelectric property of PZT nanofibers characterized by resonant piezo-force microscopy. <i>AIP Advances</i> , 2022, 12, 035203.	1.3	1
3	Bioinspired Green Science and Technology Symposium in NYC. <i>Matter</i> , 2022, 5, 1980-1984.	10.0	1
4	Mechanistic insights of evaporation-induced actuation in supramolecular crystals. <i>Nature Materials</i> , 2021, 20, 403-409.	27.5	44
5	Tuning water-responsiveness with Bombyx mori silk-silica nanoparticle composites. <i>Soft Matter</i> , 2021, 17, 7817-7821.	2.7	1
6	Water-responsive materials for sustainable energy applications. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15227-15244.	10.3	57
7	Sheet Nanocrystals Dictate Water Responsiveness of Bombyx Mori Silk. <i>Macromolecular Rapid Communications</i> , 2020, 41, e1900612.	3.9	15
8	Spore-Based Water-Resistant Water-Responsive Actuators with High Power Density. <i>Advanced Materials Technologies</i> , 2019, 4, 1800596.	5.8	20
9	Potential for natural evaporation as a reliable renewable energy resource. <i>Nature Communications</i> , 2017, 8, 617.	12.8	141
10	Scaling up nanoscale water-driven energy conversion into evaporation-driven engines and generators. <i>Nature Communications</i> , 2015, 6, 7346.	12.8	189
11	Bacillus spores as building blocks for stimuli-responsive materials and nanogenerators. <i>Nature Nanotechnology</i> , 2014, 9, 137-141.	31.5	166
12	Flexible piezoelectric nanofiber composite membranes as high performance acoustic emission sensors. <i>Sensors and Actuators A: Physical</i> , 2013, 199, 372-378.	4.1	33
13	PZT Nano Active Fiber Composites-Based Acoustic Emission Sensor. , 2013, , 9-22.		2
14	Characterization of Piezoelectric Nanofiber Composites Acoustic Emission Sensor for Structure Health Monitoring. , 2012, , .		1
15	Energy Harvesting Based on PZT Nanofibers. <i>Green Energy and Technology</i> , 2011, , 425-438.	0.6	8
16	A PZT nanofiber composites sensor for structure health monitoring. , 2011, , .		0
17	PZT Nanoactive Fiber Composites for Acoustic Emission Detection. <i>Advanced Materials</i> , 2011, 23, 3965-3969.	21.0	26
18	Adjustable stiffness of individual piezoelectric nanofibers by electron beam polarization. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	8

#	ARTICLE	IF	CITATIONS
19	Ultra Low Power Energy Storage Circuit for Piezoelectric Nanogenerators. , 2011, , .		0
20	1.6 V Nanogenerator for Mechanical Energy Harvesting Using PZT Nanofibers. Nano Letters, 2010, 10, 2133-2137.	9.1	808
21	Potential measurement from a single lead zirconate titanate nanofiber using a nanomanipulator. Applied Physics Letters, 2009, 94, .	3.3	80