

Qian Nataly Chen

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

746
citations

932766

10
h-index

1058022

14
g-index

15
all docs

15
docs citations

15
times ranked

1119
citing authors

#	ARTICLE	IF	CITATIONS
1	Biological Ferroelectricity Uncovered in Aortic Walls by Piezoresponse Force Microscopy. <i>Physical Review Letters</i> , 2012, 108, 078103.	2.9	138
2	Mechanisms of electromechanical coupling in strain based scanning probe microscopy. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	121
3	Strain-based scanning probe microscopies for functional materials, biological structures, and electrochemical systems. <i>Journal of Materiomics</i> , 2015, 1, 3-21.	2.8	100
4	Mesoporous carbon nanofibers with a high surface area electrospun from thermoplastic polyvinylpyrrolidone. <i>Nanoscale</i> , 2012, 4, 7199.	2.8	87
5	High resolution quantitative piezoresponse force microscopy of BiFeO ₃ nanofibers with dramatically enhanced sensitivity. <i>Nanoscale</i> , 2012, 4, 408-413.	2.8	82
6	Ferroelectric switching of elastin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2780-6.	3.3	66
7	Delineating local electromigration for nanoscale probing of lithium ion intercalation and extraction by electrochemical strain microscopy. <i>Applied Physics Letters</i> , 2012, 101, 063901.	1.5	54
8	Imaging space charge regions in Sm-doped ceria using electrochemical strain microscopy. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	41
9	High sensitivity piezomagnetic force microscopy for quantitative probing of magnetic materials at the nanoscale. <i>Nanoscale</i> , 2013, 5, 5747.	2.8	20
10	Morphology, microstructure, and phase states in selective laser sintered lithium ion battery cathodes. <i>Journal of Materials Processing Technology</i> , 2021, 288, 116827.	3.1	20
11	Piezoelectric and piezomagnetic force microscopies of multiferroic BiFeO ₃ -LiMn ₂ O ₄ heterostructures. <i>Journal of Applied Physics</i> , 2014, 116, 066805.	1.1	9
12	Microstructure, mechanical properties, and ionic conductivity of a solid-state electrolyte prepared using binderless laser powder bed fusion. <i>Journal of Materials Research</i> , 2021, 36, 4565-4577.	1.2	4
13	Imaging Space Charge Regions in Sm-Doped Ceria Using Strain-Based Scanning Probe Techniques. <i>ECS Transactions</i> , 2017, 78, 335-342.	0.3	3
14	Enhanced lithium ion storage in nanoimprinted carbon. <i>Applied Physics Letters</i> , 2015, 107, 043904.	1.5	1
15	Probing Multiferroic Heterostructures of BiFeO ₃ -LiMn ₂ O ₄ Using Magnetic, Piezoelectric and Piezomagnetic Force Microscopies. , 2014, , .		0