

# Zhidong Zhou

## List of Publications by Year in descending order

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14  
papers

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#	ARTICLE	IF	CITATIONS
1	Facile synthesis of hollow urchin-like NiCo <sub>2</sub> O <sub>4</sub> microspheres for high-performance sodium-ion batteries. <i>Journal of Materials Science</i> , 2016, 51, 9296-9305.	3.7	55
2	Electromechanical coupling in piezoelectric nanobeams due to the flexoelectric effect. <i>Smart Materials and Structures</i> , 2017, 26, 095025.	3.5	37
3	Highly hierarchical porous structures constructed from NiO nanosheets act as Li ion and O <sub>2</sub> pathways in long cycle life, rechargeable Li-ion batteries. <i>Chemical Communications</i> , 2016, 52, 11772-11774.	4.1	29
4	Electromechanical analysis of bilayer piezoelectric sensors due to flexoelectricity and strain gradient elasticity. <i>AIP Advances</i> , 2019, 9, .	1.3	14
5	Domain structures of ferroelectric films under different electrical boundary conditions. <i>AIP Advances</i> , 2015, 5, .	1.3	12
6	Electromechanical Analysis of Flexoelectric Nanosensors Based on Nonlocal Elasticity Theory. <i>Micromachines</i> , 2020, 11, 1077.	2.9	11
7	Coupling Analysis of Flexoelectric Effect on Functionally Graded Piezoelectric Cantilever Nanobeams. <i>Micromachines</i> , 2021, 12, 595.	2.9	11
8	The influence of the electrical boundary condition on domain structures and electrocaloric effect of PbTiO <sub>3</sub> nanostructures. <i>AIP Advances</i> , 2016, 6, 055207.	1.3	10
9	Analytical Electromechanical Modeling of Nanoscale Flexoelectric Energy Harvesting. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2273.	2.5	10
10	Graphene-modified copper chromate as the anode of ultrafast rechargeable Li-ion batteries. <i>Journal of Materials Science</i> , 2017, 52, 2131-2141.	3.7	4
11	Bending and Vibration Analysis of Flexoelectric Beam Structure on Linear Elastic Substrates. <i>Micromachines</i> , 2022, 13, 915.	2.9	4
12	The transient response of hollow electrostrictive cylinder subjected to the electrical shock. <i>Archive of Applied Mechanics</i> , 2021, 91, 4039-4051.	2.2	3
13	Buckling analysis of stretchable ferroelectric thin film on elastomeric substrates. <i>Acta Mechanica Solida Sinica</i> , 2014, 27, 509-517.	1.9	2
14	The effect of the surface electrode distributions on domain structures of ferroelectric thin films. <i>AIP Advances</i> , 2017, 7, .	1.3	1