

Hongming Zhou

List of Publications by Year in descending order

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14
papers

248
citations

1163117

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1125743

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all docs

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docs citations

14
times ranked

269
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of carbon content on the structure and electronic properties of silicon oxycarbide anodes for lithium-ion batteries: a first-principles study. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5067-5071.	10.3	75
2	Silicon Oxycarbide-Derived Carbon as Potential NO ₂ Gas Sensor: A First Principles Study. <i>IEEE Electron Device Letters</i> , 2018, 39, 1760-1763.	3.9	37
3	Insight into silicon-carbon multilayer films as anode materials for lithium-ion batteries: A combined experimental and first principles study. <i>Acta Materialia</i> , 2019, 178, 173-178.	7.9	29
4	The Influence of the Temperature Rise on the Sealing Performance of the Rotating Magnetic Fluid Seal. <i>IEEE Transactions on Magnetics</i> , 2020, 56, 1-10.	2.1	27
5	Simulation and Experimental Study on Pressure Transfer Mechanism in Multitooth Magnetic Fluid Seals. <i>Tribology Transactions</i> , 2021, 64, 31-41.	2.0	19
6	WAILS: Watershed Algorithm With Image-Level Supervision for Weakly Supervised Semantic Segmentation. <i>IEEE Access</i> , 2019, 7, 42745-42756.	4.2	13
7	Numerical investigation into the nanostructure and mechanical properties of amorphous SiBCN ceramics. <i>RSC Advances</i> , 2013, 3, 14458.	3.6	12
8	Self-organizing evaluation model and algorithm for manufacturing cloud services driven by user behavior. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 95, 1549-1565.	3.0	10
9	Modeling of amorphous SiC _x O _{6/5} by classical molecular dynamics and first principles calculations. <i>Scientific Reports</i> , 2017, 7, 42705.	3.3	7
10	DFT investigation of gas sensing characteristics of Au-doped vanadium dioxide. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126823.	2.1	7
11	A novel milling force model based on the influence of tool geometric parameters in end milling. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401879818.	1.6	5
12	Study on grinding force of Si ₃ N ₄ ceramics in random rotation grinding with truncated polyhedral grains. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 115, 3139-3148.	3.0	4
13	Investigation on high temperature fracture properties of amorphous silicon dioxide by large-scale atomistic simulations. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 1575-1579.	2.2	3
14	Effects of BN content on the structural and mechanical properties of a-SiBN ceramics. <i>International Journal of Materials Research</i> , 2013, 104, 162-167.	0.3	0