Yushan Ni

List of Publications by Year
in descending order

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28	469	1040056 9	677142 22
papers	citations	h-index	g-index

28	28	28	280
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design of switchable transient thermal concentrators with diamond shapes. Europhysics Letters, 2022, 138, 16001.	2.0	4
2	Assessment of predicted aircraft engine non-volatile particulate matter emissions at Hangzhou Xiaoshan International Airport using an integrated method. Journal of the Air and Waste Management Association, 2022, 72, 370-382.	1.9	2
3	Bifunctions of invisible sensors and cloaks in thermalâ€“electric fields. Journal of Applied Physics, 2022, 131, .	2.5	7
4	Path-dependent bifunctional device in thermal-electric field. Europhysics Letters, 2022, 138, 15002.	2.0	2
5	Synergy Effect and Symmetry-Induced Enhancement Effect of Surface Multi-Defects on Nanohardness by Quasi-Continuum Method. Materials, 2022, 15, 2485.	2.9	0
6	Design of an omnidirectional camouflage device with anisotropic confocal elliptic geometry in thermal-electric field. IScience, 2022, 25, 104183.	4.1	5
7	Temperature-dependent switchable thermal bifunctions in different diamond-shaped devices. Applied Mathematics and Computation, 2022, 423, 127006.	2.2	4
8	Molecular dynamics simulation of microstructure evolution during the fracture process of nano-twinned Ag. Engineering Fracture Mechanics, 2021, 248, 107743.	4.3	8
9	Shape Effect of Surface Defects on Nanohardness by Quasicontinuum Method. Micromachines, 2020, 11, 909.	2.9	0
10	Multiscale Analysis of Size Effect of Surface Pit Defect in Nanoindentation. Micromachines, 2018, 9, 298.	2.9	8
11	Multiscale Simulation of Surface Defects Influence Nanoindentation by a Quasi-Continuum Method. Crystals, 2018, 8, 291.	2.2	6
12	The Effect of the Vertex Angles of Wedged Indenters on Deformation during Nanoindentation. Crystals, 2017, 7, 380.	2.2	2
13	Temperature-dependent transformation thermotics for unsteady states: Switchable concentrator for transient heat flow. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 1641-1647.	2.1	47
14	Temperature-Dependent Transformation Thermotics: From Switchable Thermal Cloaks to Macroscopic Thermal Diodes. Physical Review Letters, 2015, 115, 195503.	7.8	222
15	Multiscale Simulation of Wedge Nanoindentation Based on the Repulsive Force-field Approach. International Journal of Nonlinear Sciences and Numerical Simulation, 2014, 15, .	1.0	0
16	The study of anisotropic behavior of nano-adhesive contact by multiscale simulation. Thin Solid Films, 2014, 566, 45-53.	1.8	6
17	Multiscale analysis of delay effect of dislocation nucleation with surface pit defect in nanoindentation. Computational Materials Science, 2012, 62, 203-209.	3.0	8
18	Anisotropic plastic deformation beneath surface step during nanoindentation of FCC Al by multiscale analysis. Computational Materials Science, 2012, 58, 192-200.	3.0	17

#	Article	IF	Citations
19	Effect of surface step on nanoindentation of thin films by multiscale analysis. Thin Solid Films, 2012, 520, 4934-4940.	1.8	10
20	Position effect of cylindrical indenter on nanoindentation into Cu thin film by multiscale analysis. Computational Materials Science, 2011, 50, 2987-2992.	3.0	10
21	Quasicontinuum study the influence of misfit dislocation interactions on nanoindentation. Computational Materials Science, 2011, 50, 3162-3170.	3.0	18
22	Effects of Crystalline Anisotropy and Indenter Size on Nanoindentation by Multiscale Simulation. Nanoscale Research Letters, 2010, 5, 420-432.	5.7	22
23	Multiscale Simulation of Indentation, Retraction and Fracture Processes of Nanocontact. Nanoscale Research Letters, 2010, 5, 692-700.	5.7	25
24	Two-dimensional quasicontinuum analysis of the strengthening and weakening effect of Cu/Ag interface on nanoindentation. Journal of Applied Physics, 2010, 108, .	2.5	11
25	ROUGHNESS EFFECT OF DIFFERENT GEOMETRIES ON MICRO GAS FLOWS BY LATTICE BOLTZMANN SIMULATION. International Journal of Modern Physics C, 2009, 20, 953-966.	1.7	2
26	FLOW EFFECT AROUND TWO SQUARE CYLINDERS ARRANGED SIDE BY SIDE USING LATTICE BOLTZMANN METHOD. International Journal of Modern Physics C, 2008, 19, 1683-1694.	1.7	21
27	A lattice Boltzmann model of statistical evolution of microvoids. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 423, 79-83.	5.6	2
28	Multiscale Simulation of Surface Defect Influence in Nanoindentation by a Quasi-Continuum Method. , 0, , .		0