

Na Jin

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

490
citations

759233

12
h-index

677142

22
g-index

27
all docs

27
docs citations

27
times ranked

426
citing authors

#	ARTICLE	IF	CITATIONS
1	Adhesion and fracture toughness at $\hat{1}\pm$ -Ti(0001)/TiC(111): A first-principles investigation. Applied Surface Science, 2013, 286, 240-248.	6.1	59
2	First-principles calculation on $\hat{1}^2$ -SiC(111)/ $\hat{1}\pm$ -WC(0001) interface. Journal of Applied Physics, 2014, 115, .	2.5	39
3	First-principles calculation of W/WC interface: Atomic structure, stability and electronic properties. Applied Surface Science, 2015, 324, 205-211.	6.1	39
4	Development of CVD Ti-containing films. Progress in Materials Science, 2013, 58, 1490-1533.	32.8	38
5	Effects of substrate temperature on the structure, residual stress and nanohardness of Ti6Al4V films prepared by magnetron sputtering. Applied Surface Science, 2016, 370, 53-58.	6.1	36
6	First-principles study of stability and properties on $\hat{1}^2$ -SiC/TiC(111) interface. Journal of Applied Physics, 2013, 114, .	2.5	31
7	Perovskite-type SrVO ₃ as High-Performance Anode Materials for Lithium-ion Batteries. Advanced Materials, 2022, 34, e2107262.	21.0	29
8	First-principles calculations on the electronic structure and bonding nature of TaN(111)/TiN(111) interface. Journal of Alloys and Compounds, 2017, 717, 326-332.	5.5	26
9	Theoretical calculations on the adhesion, stability, electronic structure and bonding of SiC/W interface. Applied Surface Science, 2014, 314, 896-905.	6.1	25
10	Electrochemical Lithium Storage Performance of Molten Salt Derived V ₂ SnC MAX Phase. Nano-Micro Letters, 2021, 13, 158.	27.0	23
11	Structural evolution of TiAl during rapid solidification processing revealed by molecular dynamics simulations. RSC Advances, 2016, 6, 54763-54767.	3.6	18
12	Microstructure and thermal residual stress analysis of SiC fiber through Raman spectroscopy. Journal of Raman Spectroscopy, 2013, 44, 1306-1311.	2.5	14
13	Microstructure, tensile strength and thermostability of W-core SiC fibers with or without carbon coating. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 647, 265-276.	5.6	12
14	Deposition of titanium coating on SiC fiber by chemical vapor deposition with Ti-2 system. Applied Surface Science, 2017, 406, 62-68.	6.1	12
15	Effect of C/Mo duplex coating on the interface and mechanical properties of SiCf/Ti6Al4V composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 566, 47-53.	5.6	11
16	A first principles investigation on the solid solution behavior of transition metal elements (W, Mo, Mo) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	3.8	11
17	Fructus Corni extract-induced neuritogenesis in PC12 cells is associated with the suppression of stromal interaction molecule 1 expression and inhibition of Ca ²⁺ influx. Experimental and Therapeutic Medicine, 2015, 9, 1773-1779.	1.8	10
18	First-principles study on the effects of N and Al doping on the mechanical properties and electronic structures of TiC. RSC Advances, 2020, 10, 36295-36302.	3.6	9

#	ARTICLE	IF	CITATIONS
19	Structural evolution of copper-silver bimetallic nanowires with core-shell structure revealed by molecular dynamics simulations. <i>Computational Materials Science</i> , 2017, 137, 289-296.	3.0	8
20	The effects of nitrogen on the stability, elastic properties and electronic structure of Ti(C _x N _{1-x}): A first principles investigation. <i>International Journal of Refractory Metals and Hard Materials</i> , 2021, 94, 105382.	3.8	8
21	Double transition metal-containing M ₂ TiAlC ₂ MAX phases as Li-ion batteries anodes: a theoretical screening. <i>Materials Research Letters</i> , 2021, 9, 516-522.	8.7	7
22	First-principles calculations on FeWB bulk and FeWB(001)∕Fe(111) interface. <i>Materials Research Express</i> , 2021, 8, 046405.	1.6	6
23	Molten salt synthesis and formation mechanisms of ternary V-based MAX phases by Al alloy strategy. <i>Journal of the American Ceramic Society</i> , 2022, 105, 2277-2287.	3.8	6
24	Deposition characteristics of titanium coating deposited on SiC fiber by cold-wall chemical vapor deposition. <i>Materials Chemistry and Physics</i> , 2016, 184, 189-196.	4.0	5
25	Effect of rate dependence of crack propagation processes on amorphization in Al. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 684, 71-77.	5.6	5
26	A new way for lead-boron resin composite modification: SiO ₂ coated lead powders by a sol-gel method. <i>RSC Advances</i> , 2019, 9, 30752-30759.	3.6	3
27	Theoretical investigation on the adsorption and dissociation behaviors of TiCl ₄ on pyrolytic carbon surface. <i>Applied Surface Science</i> , 2018, 427, 156-165.	6.1	0