

Pradeep Gupta

List of Publications by Year in descending order

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19
papers

186
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1306789

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citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular dynamics based cohesive zone modeling of Al (metal)–Cu ₅₀ Zr ₅₀ (metallic glass) interfacial mechanical behavior and investigation of dissipative mechanisms. <i>Materials and Design</i> , 2016, 105, 41-50.	3.3	55
2	Sintering of AlSi10Mg particles in direct metal laser sintering process: A molecular dynamics simulation study. <i>Materials Chemistry and Physics</i> , 2019, 236, 121803.	2.0	54
3	Dislocation and Structural Studies at Metal–Metallic Glass Interface at Low Temperature. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 5694-5704.	1.2	13
4	Large-Scale Molecular Dynamics Simulation Studies on Deformation of Ni Nanowires: Surface Profile, Defects and Stacking Fault Width Analysis. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 63-78.	1.2	11
5	Single-crystal Al–Cu ₅₀ Zr ₅₀ metallic glass cold welds: tensile and creep behaviour. <i>Molecular Simulation</i> , 2019, 45, 1549-1562.	0.9	10
6	Strain Rate and Temperature Effects on the Strength and Dissipative Mechanisms in Al-Cu 50 Zr 50 Interface Model: Molecular Dynamics Simulation Study. <i>Procedia Engineering</i> , 2017, 184, 631-636.	1.2	9
7	Effect of loading direction and defects on the strength and fracture behavior of biphenylene based graphene monolayer. <i>Materials Chemistry and Physics</i> , 2017, 202, 127-135.	2.0	8
8	The effect of nano-void on deformation behaviour of Al-Cu intermetallic thin film compounds. <i>Metallurgical Research and Technology</i> , 2015, 112, 505.	0.4	6
9	Nanoindentation studies of Zr ₅₀ Cu ₅₀ metallic glass thin film nanocomposites via molecular dynamics simulations. <i>Metallurgical Research and Technology</i> , 2016, 113, 602.	0.4	4
10	Tensile-compression loading and pre-strain effects on the evolution of stacking fault tetrahedra, dislocation density, and free volume in crystal-amorphous thin film interface: A large-scale molecular dynamics study. <i>Journal of Non-Crystalline Solids</i> , 2019, 514, 25-34.	1.5	4
11	Cu ₅₀ Zr ₅₀ metallic glass flakes reinforced Al composites: Experimental and molecular dynamics nanoindentation response of matrix, interface, and reinforcement. <i>Journal of Non-Crystalline Solids</i> , 2021, 564, 120837.	1.5	3
12	Superplastic Pd ₅₀ Pt ₅₀ monocrystalline bimetallic alloy nanowire: a molecular dynamics simulation study. <i>Metallurgical Research and Technology</i> , 2017, 114, 302.	0.4	2
13	Nano-Indentation of Aluminium Reinforced Metallic Glass Composites: A Molecular Dynamics Study. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 338, 012036.	0.3	2
14	High Velocity and Temperature Effects on the Bending Behavior of Nickel Nanowire: A Large-Scale Molecular Dynamics Simulation Study. <i>Materials Performance and Characterization</i> , 2020, 9, 272-284.	0.2	2
15	High Temperature Mechanical Behavior of Aluminum- Cu ₅₀ Zr ₅₀ Metallic Glass Interface. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 115, 012024.	0.3	1
16	Temperature and Loading Rate Effect on the Load-Displacement Response of Metal-Metallic Glass (Al-Cu ₅₀ Zr ₅₀) Layered Structure during Nano-Indentation. <i>Materials Science Forum</i> , 0, 978, 330-336.	0.3	1
17	Crack and its interaction with defects in Al coated with Cu ₅₀ Zr ₅₀ metallic glass thin film: an MD simulation study. <i>Journal of Molecular Modeling</i> , 2020, 26, 82.	0.8	1
18	Elevated Temperature Compression Behavior of Al–Cu ₅₀ Zr ₅₀ Nano-laminates. <i>Transactions of the Indian Institute of Metals</i> , 2020, 73, 1579-1585.	0.7	0

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19	Deformation Behavior and Fracture of Al-CuZr Nano-Laminates: A Molecular Dynamics Simulation Study. Lecture Notes in Mechanical Engineering, 2019, , 99-106.	0.3	0