Qiong Deng

List of Publications by Year in Descending Order

26 papers	222 citations	8 h-index	14 g-index
28 ext. papers	288 ext. citations	3.4 avg, IF	3.17 L-index

#	Paper	IF	Citations
26	Theoretical instructions for experimenting controllable Hopkinson pressure bar. *Polymer Testing*, **2022**, 108, 107520	4.5	0
25	Role of amorphous layer and interfaces on the tensile behaviors of triple-phase Ti/Ni nanolaminates: A molecular dynamics study. *Journal of Alloys and Compounds*, **2021**, 868, 159282	5.7	3
24	Molecular dynamics study on mechanical behaviors of Ti/Ni nanolaminate with a pre-existing void. *Nano Materials Science*, **2021**,	10.2	1
23	Effect of strain rate and low temperature on mechanical behaviour and microstructure evolution in twinning-induced plasticity steel. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2021**, 823, 141734	5.3	3
22	Molecular dynamics study of coupled layer thickness and strain rate effect on tensile behaviors of Ti/Ni multilayered nanowires*. *Chinese Physics B*, **2021**, 30, 096201	1.2	0
21	Thermal shock response behaviour of carbon fibre reinforced silicon carbide matrix composites prepared by chemical vapour infiltration at different heating rates. *Ceramics International*, **2021**, 47, 31457-31469	5.1	1
20	Anisotropic plasticity of nanocrystalline Ti: A molecular dynamics simulation. *Chinese Physics B*, **2020**, 29, 046201	1.2	7
19	Balancing strength and plasticity of dual-phase amorphous/crystalline nanostructured Mg alloys. *Chinese Physics B*, **2020**, 29, 066201	1.2	3
18	Plastic deformation mechanism transition of Ti/Ni nanolaminate with pre-existing crack: Molecular dynamics study. *Chinese Physics B*, **2020**, 29, 116201	1.2	2
17	Strain rate and temperature effects on tensile behavior of Ti/Al multilayered nanowire: A molecular dynamics study. *Superlattices and Microstructures*, **2019**, 135, 106272	2.8	6
16	Mechanical behaviors and equivalent configuration of a polyurea under wide strain rate range. *Composite Structures*, **2019**, 222, 110923	5.3	20
15	Some fundamental problems concerning the measurement accuracy of the Hopkinson tension bar technique. *Measurement Science and Technology*, **2019**, 30, 055009	2	14
14	Influence of in-plane tensile preloads on impact responses of composite laminated plates. *International Journal of Mechanical Sciences*, **2019**, 161-162, 105012	5.5	6
13	Effects of crystalline orientation, twin boundary and stacking fault on the crack-tip behavior of a mode I crack in nanocrystalline titanium. *Mechanics of Materials*, **2019**, 139, 103205	3.3	3
12	The effect of defects on the fracture behavior of trilayer graphene. *Superlattices and Microstructures*, **2018**, 123, 172-182	2.8	2
11	Distribution Optimization of Constrained Damping Materials Covering on Typical Panels Under Random Vibration **2018**, 23,		2
10	Molecular dynamics study of tension-compression asymmetry of nanocrystal □Ti with stacking fault. *Materials and Design*, **2017**, 127, 204-214	8.1	29

9	Determination of dynamic elastic modulus of polymeric materials using vertical split Hopkinson pressure bar. *International Journal of Mechanical Sciences*, **2016**, 108-109, 188-196	5.5	36
8	Influence of Defects and Crystallographic Orientation on Mechanical Behavior of Nanocrystalline Aluminium. *Communications in Theoretical Physics*, **2016**, 66, 431-438	2.4	
7	Fatigue behavior of aluminum stiffened plate subjected to random vibration loading. *Transactions of Nonferrous Metals Society of China*, **2014**, 24, 1331-1336	3.3	9
6	Dynamic Deformation Behavior of ECAPed AZ31 Magnesium Alloy. *Applied Mechanics and Materials*, **2014**, 566, 104-109	0.3	
5	Experimental investigation on strain rate sensitivity of ultra-fine grained copper at elevated temperatures. *Mechanics of Materials*, **2011**, 43, 111-118	3.3	27
4	A Computational Study of the Overload Characteristic Curves of Projectile Penetrating Concrete. *Key Engineering Materials*, **2011**, 462-463, 582-586	0.4	
3	Influence of short time annealing on strain hardening rate and flow stress of ultrafine grained material processed by severe plastic deformation. *Materials Research Innovations*, **2011**, 15, s69-s72	1.9	8
2	Tensile Ductility of Ultra-Fine Grained Copper at High Strain Rate. *Advanced Materials Research*, **2010**, 160-162, 260-266	0.5	4
1	Optimal pressing route for continued equal channel angular pressing by finite element analysis. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2007**, 466, 166-171	5.3	36