

Coupling of dynamic ductile damage and melting in shock Modeling and applications

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Spalling fracture of Ni/Al nanolaminates influenced by chemical reaction. Journal of Applied Physics, 2021, 130, .	2.5	3
2	An improved model of damage depth of shock-melted metal in microspall under triangular wave loading*. Chinese Physics B, 2021, 30, 096202.	1.4	1
3	Spalling modes and mechanisms of shocked nanocrystalline NiTi at different loadings and temperatures. Mechanics of Materials, 2021, 161, 104004.	3.2	8
4	Role of temperature and strain rate on the stress reversal in dynamic damage of monocrystalline NiTi alloy. Mechanics of Materials, 2022, 165, 104185.	3.2	6
5	A coupled thermal-elastic-plastic-damage model for concrete subjected to dynamic loading. International Journal of Plasticity, 2022, 153, 103279.	8.8	52
6	Effect of initial temperature on impact-induced spalling behavior in single-crystal aluminum studied by molecular dynamics simulations. AIP Advances, 2022, 12, 055123.	1.3	2
7	Atomistic simulation and continuum modeling of the dynamic tensile fracture and damage evolution of solid single crystalline Al with He bubble. International Journal of Mechanical Sciences, 2022, 234, 107681.	6.7	8
8	Unraveling the plasticity performance and melting in single crystal tantalum damaged by shock compression. Engineering Fracture Mechanics, 2022, 276, 108921.	4.3	5
9	Orientation-induced anisotropy of plasticity and damage behavior in monocrystalline tantalum under shock compression. Vacuum, 2023, 207, 111679.	3.5	4
10	A unified two-scale theory for modeling microstructural length scale, strain gradient and strain rate effects on brittle fracture. International Journal of Solids and Structures, 2023, 268, 112176.	2.7	2
11	Correlation between grain size and dynamic response of NiTi alloy during intense shock-induced multi-spallation. Materials Today Communications, 2023, 37, 107515.	1.9	0
12	A continuum damage coupled unified viscoplastic model for simulating the mechanical behaviour of a ductile cast iron under isothermal low-cycle fatigue, fatigue-creep and creep loading. International Journal of Plasticity, 2024, 173, 103868.	8.8	0
13	Understanding the spall behaviors of single crystalline aluminum under double decaying shock loadings: Atomistic simulations and theoretical models. European Journal of Mechanics, A/Solids, 2024, 105, 105237.	3.7	0
14	Continual modeling of processes of homo-geterogeneous melting and fragmentation of metal by ultrashort laser pulse. Mathematica Montisnigri, 2023, 58, 80-93.	0.3	0
15	Multi-scale damage mechanism of hierarchically structured high-strength martensitic steels under shock loading. International Journal of Plasticity, 2024, 175, 103945.	8.8	0