

Lingyu Wang

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

862
citations

1040056

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940533

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17
docs citations

17
times ranked

854
citing authors

#	ARTICLE	IF	CITATIONS
1	Precipitation strengthening of aluminum alloys by room-temperature cyclic plasticity. <i>Science</i> , 2019, 363, 972-975.	12.6	323
2	Tribological Behavior of Carbon-Nanotube-Filled PTFE Composites. <i>Tribology Letters</i> , 2003, 15, 275-278.	2.6	257
3	Tribological properties of carbon-nanotube-reinforced copper composites. <i>Tribology Letters</i> , 2001, 10, 225-228.	2.6	159
4	Strain hardening behaviour of as-quenched and tempered martensite. <i>Acta Materialia</i> , 2020, 199, 613-632.	7.9	27
5	Austenite formation kinetics from multicomponent cementite-ferrite aggregates. <i>Acta Materialia</i> , 2020, 196, 470-487.	7.9	19
6	Role of martensitic transformation sequences on deformation-induced martensitic transformation at high strain rates: A quasi in-situ study. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 831, 142319.	5.6	15
7	Characterization of deformation-induced martensite with various AGSs upon Charpy impact loading and correlation with transformation mechanisms. <i>Materials Characterization</i> , 2022, 184, 111704.	4.4	12
8	Transitions in the strain hardening behaviour of tempered martensite. <i>Acta Materialia</i> , 2021, 221, 117397.	7.9	11
9	Influence of DIMT on impact toughness: Relationship between crack propagation and the ϵ -martensite morphology in austenitic steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 844, 143191.	5.6	11
10	The coupled effect of thermal and mechanical stabilities of austenite on the wear resistance in a 0.2C-5Mn-1.6Si steel down to cryogenic temperatures. <i>Wear</i> , 2021, 486-487, 204116.	3.1	7
11	Thermal and athermal contributions to the flow stress of martensite. <i>Materialia</i> , 2020, 11, 100719.	2.7	5
12	The role of retained austenite on the stress-strain behaviour of chemically patterned steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 831, 142286.	5.6	5
13	Tensile deformation behaviors of laser powder bed fusion fabricated Al-Mn-Sc alloy with heterogeneous grain structure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 849, 143447.	5.6	5
14	A Pronounced Hardening Response in Non-Heat-Treatable Al-Mg Based 5xxx Aluminum Alloys. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
15	An integral transformation model for the combined calculation of key martensitic transformation temperatures and martensite fraction. <i>Materials and Design</i> , 2022, 219, 110768.	7.0	2
16	Twin Instability and Its Effect on the Dislocation Behavior of UFG Austenitic Steel Under Charpy Impact Test. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2022, 53, 1921-1927.	2.2	1
17	Crystal Orientation Dependence of the Portevin-Le Chatelier Effect in Instrumented Indentation: A Case Study in Twinning-Induced Plasticity Steels. <i>Metals</i> , 2022, 12, 439.	2.3	1