

Lingyu Wang

List of Publications by Year in descending order

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854
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | Crystal Orientation Dependence of the Portevinâ€“Le Chatelier Effect in Instrumented Indentation: A Case Study in Twinning-Induced Plasticity Steels. <i>Metals</i> , 2022, 12, 439. | 2.3 | 1 |
| 6 | Influence of DIMT on impact toughness: Relationship between crack propagation and the $\hat{\epsilon}^2$ -martensite morphology in austenitic steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 844, 143191. | 5.6 | 11 |
| 7 | 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 |
| 8 | Tensile deformation behaviors of laser powder bed fusion fabricated Alâ€“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 |
| 9 | The coupled effect of thermal and mechanical stabilities of austenite on the wear resistance in a 0.2Câ€“5Mn-1.6Si steel down to cryogenic temperatures. <i>Wear</i> , 2021, 486-487, 204116. | 3.1 | 7 |
| 10 | Transitions in the strain hardening behaviour of tempered martensite. <i>Acta Materialia</i> , 2021, 221, 117397. | 7.9 | 11 |
| 11 | Thermal and athermal contributions to the flow stress of martensite. <i>Materialia</i> , 2020, 11, 100719. | 2.7 | 5 |
| 12 | Austenite formation kinetics from multicomponent cementite-ferrite aggregates. <i>Acta Materialia</i> , 2020, 196, 470-487. | 7.9 | 19 |
| 13 | Strain hardening behaviour of as-quenched and tempered martensite. <i>Acta Materialia</i> , 2020, 199, 613-632. | 7.9 | 27 |
| 14 | Precipitation strengthening of aluminum alloys by room-temperature cyclic plasticity. <i>Science</i> , 2019, 363, 972-975. | 12.6 | 323 |
| 15 | Tribological Behavior of Carbon-Nanotube-Filled PTFE Composites. <i>Tribology Letters</i> , 2003, 15, 275-278. | 2.6 | 257 |
| 16 | Tribological properties of carbon-nanotube-reinforced copper composites. <i>Tribology Letters</i> , 2001, 10, 225-228. | 2.6 | 159 |
| 17 | A Pronounced Hardening Response in Non-Heat-Treatable Al-Mg Based 5xxx Aluminum Alloys. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 2 |