

Hanlin Peng

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Ripening of L12 nanoparticles and their effects on mechanical properties of Ni ₂₈ Co ₂₈ Fe ₂₁ Cr ₁₅ Al ₄ Ti ₄ high-entropy alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 772, 138803.	5.6	53
2	Evolution of the microstructure and mechanical properties of powder metallurgical high-speed steel S390 after heat treatment. <i>Journal of Alloys and Compounds</i> , 2018, 740, 766-773.	5.5	42
3	On the correlation between L12 nanoparticles and mechanical properties of (NiCo) _{52+2x} (AlTi) _{4+2x} Fe _{29-4x} Cr ₁₅ (x=0-4) high-entropy alloys. <i>Journal of Alloys and Compounds</i> , 2020, 817, 152750.	5.5	34
4	Characterization of high-strength high- ϵ nitrogen austenitic stainless steel synthesized from nitrided powders by spark plasma sintering. <i>Materials Characterization</i> , 2019, 152, 76-84.	4.4	33
5	Effects of austenitizing temperature on microstructure and mechanical property of a 4-GPa-grade PM high-speed steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 719, 21-26.	5.6	31
6	Superior strength-ductility synergy in a novel tailored nanoparticles-strengthened medium-entropy alloy. <i>Scripta Materialia</i> , 2022, 207, 114278.	5.2	31
7	Microstructure and Properties of Porous High-N Ni-Free Austenitic Stainless Steel Fabricated by Powder Metallurgical Route. <i>Materials</i> , 2018, 11, 1058.	2.9	18
8	Microstructural Evolution, Behavior of Precipitates, and Mechanical Properties of Powder Metallurgical High-Speed Steel S390 During Tempering. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2019, 50, 874-883.	2.2	15
9	Dissimilar electron beam welding of the medium-entropy alloy (NiCoCr) ₉₄ Al ₃ Ti ₃ to 304 stainless steel. <i>Scripta Materialia</i> , 2022, 214, 114659.	5.2	14
10	Optimization of the microstructure and mechanical properties of electron beam welded high-strength medium-entropy alloy (NiCoCr) ₉₄ Al ₃ Ti ₃ . <i>Intermetallics</i> , 2022, 141, 107439.	3.9	10
11	Microstructures and deformation mechanisms of the medium-entropy alloy (NiCoCr) ₇₆ (Ni ₆ AlTi) ₃ . <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 849, 143449.	5.6	8
12	Nano-Mechanical Properties and Creep Behavior of Ti ₆ Al ₄ V Fabricated by Powder Bed Fusion Electron Beam Additive Manufacturing. <i>Materials</i> , 2021, 14, 3004.	2.9	7
13	The evolution of microstructure and micro-mechanical properties in the repeatedly renovated QHZ punch in fine-blanking. <i>Journal of Materials Processing Technology</i> , 2018, 254, 201-212.	6.3	4
14	Investigation on the blanking properties of thin multi-layer electrode of lithium-ion battery. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 134, 14-20.	4.0	4
15	Stress-state-dependent deformation and fracture behaviors in a cold-rolled 7Mn steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 831, 142102.	5.6	4
16	Study on high-strength high-N austenitic stainless steel prepared by spark plasma sintering. <i>Journal of Physics: Conference Series</i> , 2021, 2044, 012041.	0.4	0