

Kun Li

List of Publications by Year in descending order

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541
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#	ARTICLE	IF	CITATIONS
1	Functionally Graded Alloys from 316 Stainless Steel to Inconel 718 by Powder-Based Laser Direct Energy Deposition. Minerals, Metals and Materials Series, 2022, , 304-312.	0.4	1
2	Effects of Magnetic Abrasive Finishing on Microstructure and Mechanical Properties of Inconel 718 Processed by Laser Powder Bed Fusion. Journal of Manufacturing and Materials Processing, 2022, 6, 43.	2.2	2
3	A functionally graded material design from stainless steel to Ni-based superalloy by laser metal deposition coupled with thermodynamic prediction. Materials and Design, 2022, 217, 110612.	7.0	26
4	Hybrid post-processing effects of magnetic abrasive finishing and heat treatment on surface integrity and mechanical properties of additively manufactured Inconel 718 superalloys. Journal of Materials Science and Technology, 2022, 128, 10-21.	10.7	25
5	Wire-arc additive manufacturing and post-heat treatment optimization on microstructure and mechanical properties of Grade 91 steel. Additive Manufacturing, 2021, 37, 101734.	3.0	12
6	Microstructure evolution and mechanical properties of Al CoCrFeNi high-entropy alloys by laser melting deposition. Vacuum, 2021, 183, 109875.	3.5	51
7	Insights into microstructural evolution and deformation behaviors of a gradient textured AZ31B Mg alloy plate under hypervelocity impact. Journal of Materials Science and Technology, 2021, 91, 40-57.	10.7	14
8	A new high-throughput method using additive manufacturing for alloy design and heat treatment optimization. Materialia, 2020, 13, 100835.	2.7	14
9	Post-heat treatment design for high-strength low-alloy steels processed by laser powder bed fusion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 788, 139531.	5.6	14
10	A comparative analysis of Inconel 718 made by additive manufacturing and suction casting: Microstructure evolution in homogenization. Additive Manufacturing, 2020, 36, 101404.	3.0	15
11	Reverted austenite with distinct characteristics in a new cobalt-free low lattice misfit precipitate-bearing 19Ni3Mo1.5Ti maraging steel. Materials Letters, 2019, 257, 126692.	2.6	12
12	Strain rate dependence on the evolution of microstructure and deformation mechanism during nanoscale deformation in low carbon-high Mn TWIP steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 742, 116-123.	5.6	28
13	Aging phenomenon in low lattice-misfit cobalt-free maraging steel: Microstructural evolution and strengthening behavior. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 739, 445-454.	5.6	37
14	Effects of process parameters on microstructures and tensile properties of laser melting deposited CrMnFeCoNi high entropy alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 743, 412-417.	5.6	93
15	Grain boundary and microstructure engineering of Inconel 690 cladding on stainless-steel 316L using electron-beam powder bed fusion additive manufacturing. Journal of Materials Science and Technology, 2019, 35, 351-367.	10.7	57
16	The significance and design of hybrid process in governing high strength-high toughness combination of fiber laser-welded T-250 maraging steel joint. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 718, 173-181.	5.6	5
17	Strengthening of cobalt-free 19Ni3Mo1.5Ti maraging steel through high-density and low lattice misfit nanoscale precipitates. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 715, 174-185.	5.6	47
18	Characterization and mechanical properties of clad stainless steel 316L with nuclear applications fabricated using electron beam melting. Journal of Nuclear Materials, 2018, 507, 164-176.	2.7	34

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19	High strain-rate behavior and deformation mechanism of a multi-layer composite textured AZ31B Mg alloy plate. <i>Journal of Alloys and Compounds</i> , 2018, 749, 23-39.	5.5	23
20	On the strain rate sensitivity of aluminum-containing transformation-induced plasticity steels: Interplay between TRIP and TWIP effects. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 711, 515-523.	5.6	19
21	The contribution of long-period stacking-ordered structure (LPSO) to high strength-high ductility combination and nanoscale deformation behavior of magnesium-rare earth alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 713, 112-117.	5.6	38
22	Nanoscale deformation of multiaxially forged ultrafine-grained Mg-2Zn-2Gd alloy with high strength-high ductility combination and comparison with the coarse-grained counterpart. <i>Journal of Materials Science and Technology</i> , 2018, 34, 311-316.	10.7	30
23	On the origin and contribution of extended kinks and jogs and stacking fault ribbons to deformation behavior in an ultrahigh strength cobalt-free maraging steel with high density of low lattice misfit precipitates. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 728, 208-217.	5.6	14
24	The role of copper in microstructures and mechanical properties of laser-welded Fe-19Ni-3Mo-1.5Ti maraging steel joint. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 681, 41-49.	5.6	13
25	Effect of post-weld heat treatments on strength and toughness behavior of T-250 maraging steel welded by laser beam. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 663, 157-165.	5.6	24
26	Influence of aging temperature on strength and toughness of laser-welded T-250 maraging steel joint. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 669, 58-65.	5.6	29