

Cheng Chang

List of Publications by Year in descending order

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18
papers

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687363

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Heat treatment induced microstructural evolution, oxidation behavior and tribological properties of Fe-12Cr-9Ni-2Al steel (CX steel) prepared using selective laser melting. <i>Surface and Coatings Technology</i> , 2022, 429, 127982.	4.8	18
2	Study on microstructure and tribological behavior of the selective laser melted MgZnCa alloy. <i>Materials Letters</i> , 2022, 309, 131439.	2.6	9
3	Finished surface morphology, microstructure and magnetic properties of selective laser melted Fe-50wt% Ni permalloy. <i>Acta Metallurgica Sinica (English Letters)</i> , 2022, 35, 1439-1452.	2.9	2
4	A novel hierarchical manufacturing method of the selective laser melted Al 7075 alloy. <i>Materials Characterization</i> , 2022, 191, 112124.	4.4	8
5	Effect of building directions on the surface roughness, microstructure, and tribological properties of selective laser melted Inconel 625. <i>Journal of Materials Processing Technology</i> , 2021, 288, 116878.	6.3	49
6	Selective laser melting (SLM) of CX stainless steel: Theoretical calculation, process optimization and strengthening mechanism. <i>Journal of Materials Science and Technology</i> , 2021, 73, 151-164.	10.7	61
7	Effect of Laser Energy Density on Surface Morphology, Microstructure, and Magnetic Properties of Selective Laser Melted Fe-3wt.% Si Alloys. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 5020-5030.	2.5	13
8	Microstructure and magnetic properties of FeSiBCrC soft magnetic alloy manufactured by selective laser melting. <i>Materials Letters</i> , 2021, 290, 129469.	2.6	15
9	Microstructure, interface characteristics and tribological properties of laser clad NiCrBSi-WC coatings on PH 13-8 Mo steel. <i>Tribology International</i> , 2021, 157, 106873.	5.9	39
10	In situ formation of D022-Al3Ti during selective laser melting of nano-TiC/AlSi10Mg alloy prepared by electrostatic self-assembly. <i>Vacuum</i> , 2021, 188, 110179.	3.5	30
11	Effect of heat treatment on residual stress and wear resistance of CX stainless steel manufactured by Selective Laser Melting. <i>Procedia CIRP</i> , 2021, 104, 738-743.	1.9	11
12	Microstructure and mechanical deformation behavior of selective laser melted Ti6Al4V ELI alloy porous structures. <i>Materials Letters</i> , 2020, 277, 128366.	2.6	14
13	Study of the microstructure and mechanical performance of C-X stainless steel processed by selective laser melting (SLM). <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 781, 139227.	5.6	57
14	Effect of heat treatment on the corrosion resistance behavior of selective laser melted Ti6Al4V ELI. <i>Surface and Coatings Technology</i> , 2020, 396, 125955.	4.8	25
15	Influence of post-heat treatments on the mechanical properties of CX stainless steel fabricated by selective laser melting. <i>Journal of Materials Science</i> , 2020, 55, 8303-8316.	3.7	41
16	Microstructure and tribological property of selective laser melted Fe-Mn-Al-C alloy. <i>Materials Letters</i> , 2020, 270, 127699.	2.6	12
17	Microstructure and mechanical properties of pure copper manufactured by selective laser melting. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 789, 139615.	5.6	76
18	Pure copper components fabricated by cold spray (CS) and selective laser melting (SLM) technology. <i>Surface and Coatings Technology</i> , 2020, 395, 125936.	4.8	61