

Haiou Yang

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

661
citations

687363

13
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

527
citing authors

#	ARTICLE	IF	CITATIONS
1	The influences of processing parameters on forming characterizations during laser rapid forming. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 360, 18-25.	5.6	108
2	Microstructure and mechanical properties of laser forming repaired 17-4PH stainless steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 553, 80-88.	5.6	103
3	Strengthening mechanisms in selective laser-melted Inconel718 superalloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 812, 141145.	5.6	82
4	HAZ Liquation Cracking Mechanism of IN-738LC Superalloy Prepared by Laser Solid Forming. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018, 49, 5118-5136.	2.2	55
5	Microstructure and mechanical properties of laser solid formed 300M steel. <i>Journal of Alloys and Compounds</i> , 2015, 621, 35-41.	5.5	50
6	Distinction in anodic dissolution behavior on different planes of laser solid formed Ti-6Al-4V alloy. <i>Electrochimica Acta</i> , 2018, 283, 1482-1489.	5.2	49
7	Direct laser deposited bulk CoCrFeNiNbx high entropy alloys. <i>Intermetallics</i> , 2019, 114, 106592.	3.9	45
8	The formation and dissolution mechanisms of Laves phase in Inconel 718 fabricated by selective laser melting compared to directed energy deposition and cast. <i>Composites Part B: Engineering</i> , 2022, 239, 109994.	12.0	31
9	Electric Field-Assisted Orientation of Short Phosphate Glass Fibers on Stainless Steel for Biomedical Applications. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 11529-11538.	8.0	29
10	Precipitation behavior of γ' phase and its effect on stress rupture properties of selective laser-melted Inconel 718 superalloy. <i>Composites Part B: Engineering</i> , 2021, 224, 109202.	12.0	25
11	Design Fe-based Eutectic Medium-Entropy Alloys Fe ₂ NiCrNbx. <i>Acta Metallurgica Sinica (English)</i> Tj ETQq1 1 0.784314 rgBT / Qyerlock 10	2.9	17
12	High strength and ductility of 34CrNiMo6 steel produced by laser solid forming. <i>Journal of Materials Science and Technology</i> , 2019, 35, 377-387.	10.7	16
13	Microstructure and Tribological Properties of Laser Forming Repaired 34CrNiMo6 Steel. <i>Materials</i> , 2018, 11, 1722.	2.9	14
14	Influence of grain inhomogeneity and precipitates on the stress rupture properties of Inconel 718 superalloy fabricated by selective laser melting. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 803, 140702.	5.6	14
15	A Facile Flow-Casting Production of Bioactive Glass Coatings on Porous Titanium for Bone Tissue Engineering. <i>Materials</i> , 2018, 11, 1540.	2.9	8
16	Structural evolution and mechanical properties of TiB ₂ reinforced 2024Al composite stimulated by heat treatment. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 847, 143290.	5.6	6
17	Microstructure and Mechanical Properties of Selective Laser Melted Al _{0.25} Mn _{0.25} Mg _{0.55} Sc _{0.29} Cu _{0.31} Zn Alloy Designed by Supersaturated Solid Solution. <i>Acta Metallurgica Sinica (English Letters)</i> , 2022, 35, 354-368.	2.9	5
18	The formation mechanism of special globular surface grain during the solidification of laser surface remelted near β^2 titanium alloys. <i>Computational Materials Science</i> , 2021, 191, 110353.	3.0	4