

Xiaogang You

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effect of solution heat treatment on the precipitation behavior and strengthening mechanisms of electron beam smelted Inconel 718 superalloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 689, 257-268.	5.6	78
2	Preparation of Inconel 740 superalloy by electron beam smelting. <i>Journal of Alloys and Compounds</i> , 2016, 676, 202-208.	5.5	24
3	Evaporation behavior of Ni, Cr and Fe in Inconel 718 superalloy during electron beam smelting. <i>Vacuum</i> , 2017, 135, 135-141.	3.5	22
4	Removal of inclusions from nickel-based superalloy by induced directional solidification during electron beam smelting. <i>Vacuum</i> , 2018, 156, 39-47.	3.5	22
5	High temperature oxidation behavior and mechanism of a new Ni-Co-based superalloy. <i>Vacuum</i> , 2021, 189, 110219.	3.5	22
6	Microstructure and deformation behavior of nickel based superalloy Inconel 740 prepared by electron beam smelting. <i>Materials Characterization</i> , 2016, 114, 267-276.	4.4	17
7	The evaporation behavior of alloy elements during electron beam smelting of Inconel 718 alloy. <i>Vacuum</i> , 2019, 169, 108920.	3.5	15
8	Intermediate temperature creep and deformation behavior of a nickel-based superalloy prepared by electron beam layer solidification. <i>Scripta Materialia</i> , 2020, 187, 395-401.	5.2	13
9	The denitrification behavior during electron beam smelting of FGH4096 alloy. <i>Vacuum</i> , 2021, 189, 110212.	3.5	13
10	The alloying elements dispersion and its mechanisms in a Ni-based superalloy during electron beam remelting. <i>Vacuum</i> , 2019, 166, 107-113.	3.5	12
11	Effect of melt superheat treatment on solidification behavior and microstructure of new Ni-Co based superalloy. <i>Journal of Materials Research and Technology</i> , 2021, 15, 4970-4980.	5.8	10
12	Mechanism of impurities reduction and evaporation of alloying elements for a multi-elements Ni-based superalloy during electron beam remelting. <i>Vacuum</i> , 2018, 156, 345-350.	3.5	9
13	A new model for studying the evaporation behavior of alloy elements in DD98M alloy during electron beam smelting. <i>Vacuum</i> , 2022, 195, 110641.	3.5	9