

Mohammad Javad Sohrabi

List of Publications by Year in descending order

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docs citations

15
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273
citing authors

#	ARTICLE	IF	CITATIONS
1	Detailed Hall-Petch Analysis of Cold Rolled and Annealed Duplex 2205 Stainless Steel. Steel Research International, 2022, 93, .	1.8	8
2	Synergistic Investigations of Post-Deformation Annealing and Initial Microstructure on the Mechanical Properties of High Strength Low Alloy (HSLA) 100 Steel. Steel Research International, 2021, 92, 2000627.	1.8	8
3	Revisiting the Diffusion of Niobium in an As-Cast Nickel-Based Superalloy During Annealing at Elevated Temperatures. Metals and Materials International, 2020, 26, 326-332.	3.4	25
4	Estimation of homogenisation time for superalloys based on a new diffusional model. Materials Science and Technology, 2020, 36, 380-384.	1.6	7
5	Unexpected formation of delta (δ) phase in as-cast niobium-bearing superalloy at solution annealing temperatures. Materials Letters, 2020, 261, 127008.	2.6	16
6	Deformation-induced martensite in austenitic stainless steels: A review. Archives of Civil and Mechanical Engineering, 2020, 20, 1.	3.8	127
7	Elucidating the effects of microsegregation on the precipitation phenomena in as-cast Nb-bearing superalloy. Materials Letters, 2020, 266, 127481.	2.6	9
8	Phase Transformation Kinetics During Annealing of Cold-Rolled AISI 309Si Stainless Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 1955-1959.	2.2	9
9	Thermodynamics basis of saturation of martensite content during reversion annealing of cold rolled metastable austenitic steel. Vacuum, 2020, 174, 109220.	3.5	12
10	Significance of Martensite Reversion and Austenite Stability to the Mechanical Properties and Transformation-Induced Plasticity Effect of Austenitic Stainless Steels. Journal of Materials Engineering and Performance, 2020, 29, 3233-3242.	2.5	29
11	Revealing the As-Cast and Homogenized Microstructures of Niobium-Bearing Nickel-Based Superalloy. International Journal of Metalcasting, 2019, 13, 320-330.	1.9	12
12	Interdiffusion coefficients of alloying elements in a typical Ni-based superalloy. Vacuum, 2019, 169, 108875.	3.5	26
13	Numerical and analytical solutions for determination of interdiffusion coefficients in superalloys during homogenization. Materials Today Communications, 2019, 21, 100631.	1.9	4
14	Homogenization kinetics of a typical nickel-based superalloy. Journal of Alloys and Compounds, 2019, 793, 277-282.	5.5	35
15	Solidification behavior and Laves phase dissolution during homogenization heat treatment of Inconel 718 superalloy. Vacuum, 2018, 154, 235-243.	3.5	94