Zhichao Sun

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8869342/publications.pdf

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12	381	1040056 9	1199594 12
papers	citations	h-index	g-index

12	12	12	237
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Three-dimensional morphology of tri-modal microstructure and evolution mechanisms of constitute phases in dual heat treated near-Î± titanium alloy. Materials Characterization, 2022, 185, 111761.	4.4	5
2	A unified model of ductile fracture considering strain rate and temperature under the complex stress states. Journal of Materials Processing Technology, 2021, 297, 117275.	6.3	6
3	Diffusion transformation model in TA15 titanium alloy: The case of nonlinear cooling. Materials and Design, 2020, 191, 108598.	7.0	10
4	Tri-modal Microstructure in Different Loading Zones Under TA15 Ti-alloy Isothermal Local Conventional Forging and Given Subsequent Heat Treatment. Materials Research, 2019, 22, .	1.3	1
5	Formation and evolution of tri-modal microstructure during dual heat treatment for TA15 Ti-alloy. Journal of Alloys and Compounds, 2019, 786, 894-905.	5.5	29
6	Microstructure and Mechanical Behavior of Heat-Treated and Thermomechanically Processed TA15 Ti Alloy Composites. Journal of Materials Engineering and Performance, 2019, 28, 788-799.	2.5	10
7	Inhomogeneous deformation law in forming of multi-cavity parts under complex loading path. Journal of Materials Processing Technology, 2018, 254, 179-192.	6.3	19
8	Tri-modal microstructure and performance of TA15 Ti-alloy under near-Î² forging and given subsequent solution and aging treatment. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 654, 113-123.	5.6	23
9	Prediction and control of equiaxed Î± in near-Î² forging of TA15 Ti-alloy based on BP neural network: For purpose of tri-modal microstructure. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 591, 18-25.	5.6	40
10	Nucleation and growth mechanism of Î±-lamellae of Ti alloy TA15 cooling from an Î± + Î² phase field. Acta Materialia, 2013, 61, 2057-2064.	7.9	123
11	Recent developments in plastic forming technology of titanium alloys. Science China Technological Sciences, 2011, 54, 490-501.	4.0	80
12	Microstructure evolution of different loading zones during TA15 alloy multi-cycle isothermal local forging. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 5112-5121.	5.6	35