

Seyed B Hosseini

List of Publications by Year in descending order

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14
papers

350
citations

1040056

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1125743

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14
all docs

14
docs citations

14
times ranked

275
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation mechanisms of white layers induced by hard turning of AISI 52100 steel. <i>Acta Materialia</i> , 2015, 89, 258-267.	7.9	97
2	Cutting temperatures during hard turning – Measurements and effects on white layer formation in AISI 52100. <i>Journal of Materials Processing Technology</i> , 2014, 214, 1293-1300.	6.3	74
3	A study of the influence of novel scan strategies on residual stress and microstructure of L-shaped LPBF IN718 samples. <i>Materials and Design</i> , 2022, 214, 110386.	7.0	32
4	Characterization of the Surface Integrity Induced by Hard Turning of Bainitic and Martensitic AISI 52100 Steel. <i>Procedia CIRP</i> , 2012, 1, 494-499.	1.9	28
5	Atomic-scale investigation of carbon atom migration in surface induced white layers in high-carbon medium chromium (AISI 52100) bearing steel. <i>Acta Materialia</i> , 2017, 130, 155-163.	7.9	27
6	Dissolution of Iron-chromium Carbides during White Layer Formation Induced by Hard Turning of AISI 52100 Steel. <i>Procedia CIRP</i> , 2014, 14, 107-112.	1.9	24
7	Mapping of residual stresses in as-built Inconel 718 fabricated by laser powder bed fusion: A neutron diffraction study of build orientation influence on residual stresses. <i>Additive Manufacturing</i> , 2020, 36, 101501.	3.0	16
8	A descriptive phenomenological model for white layer formation in hard turning of AISI 52100 bearing steel. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2021, 32, 299-310.	4.5	16
9	Characteristics of a modified H13 hot-work tool steel fabricated by means of laser beam powder bed fusion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 831, 142322.	5.6	12
10	Evaluation of post-treatments of novel hot-work tool steel manufactured by laser powder bed fusion for aluminum die casting applications. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 800, 140305.	5.6	11
11	A Simplified Layer-by-Layer Model for Prediction of Residual Stress Distribution in Additively Manufactured Parts. <i>Metals</i> , 2021, 11, 861.	2.3	8
12	A Methodology for Temperature Correction When Using Two-Color Pyrometers - Compensation for Surface Topography and Material. <i>Experimental Mechanics</i> , 2014, 54, 369-377.	2.0	4
13	Large-Scale Robot-Based Polymer and Composite Additive Manufacturing: Failure Modes and Thermal Simulation. <i>Polymers</i> , 2022, 14, 1731.	4.5	1
14	Influence of tempering on contact fatigue. <i>International Journal of Microstructure and Materials Properties</i> , 2011, 6, 465.	0.1	0