

Juan Liu

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

448
citations

1163117

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1372567

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g-index

10
all docs

10
docs citations

10
times ranked

356
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling of flow stress characterizing dynamic recrystallization for magnesium alloy AZ31B. Computational Materials Science, 2008, 41, 375-382.	3.0	114
2	Characterization of hot deformation behavior of extruded ZK60 magnesium alloy using 3D processing maps. Materials & Design, 2014, 56, 889-897.	5.1	89
3	Analysis of metal workability by integration of FEM and 3-D processing maps. Journal of Materials Processing Technology, 2008, 205, 497-505.	6.3	79
4	Flow characteristics and intrinsic workability of IN718 superalloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 642, 279-287.	5.6	68
5	Hot forging process design and parameters determination of magnesium alloy AZ31B spur bevel gear. Journal of Materials Processing Technology, 2009, 209, 5871-5880.	6.3	48
6	A 2.5-dimensional analytical model of cold leveling for plates with transverse wave defects. Journal of Iron and Steel Research International, 2015, 22, 664-671.	2.8	17
7	Material driven workability simulation by FEM including 3D processing maps for magnesium alloy. Transactions of Nonferrous Metals Society of China, 2013, 23, 3011-3019.	4.2	10
8	Ductile Fracture Prediction of 316LN Stainless Steel In Hot Deformation Process. Journal of Iron and Steel Research International, 2014, 21, 923-930.	2.8	10
9	3D processing map for hot working of extruded AZ80 magnesium alloy. Rare Metals, 2017, 36, 10-17.	7.1	7
10	Hot Deformation Stability of Extruded AZ61 Magnesium Alloy Using Different Instability Criteria. Acta Metallurgica Sinica (English Letters), 2015, 28, 1364-1372.	2.9	6