

Terry R Mcnelley

List of Publications by Year in descending order

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docs citations

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364
citing authors

#	ARTICLE	IF	CITATIONS
1	Processing-Microstructure Relationships in Friction Stir Welding of MA956 Oxide Dispersion Strengthened Steel. Metallurgical and Materials Transactions E, 2014, 1, 318-330.	0.5	7
2	Peak Stir Zone Temperatures during Friction Stir Processing. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 631-640.	1.1	42
3	The Effect of Friction Stir Processing on the Microstructure and Mechanical Properties of an Aluminum Lithium Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2009, 40, 104-115.	1.1	37
4	Characteristics of the Transition from Grain-Boundary Sliding to Solute Drag Creep in Superplastic AA5083. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2008, 39, 50-64.	1.1	51
5	Failure mechanisms in superplastic AA5083 materials. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2006, 37, 645-655.	1.1	56
6	Deformation and failure of a superplastic AA5083 aluminum material with a cu addition. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2006, 37, 2727-2738.	1.1	24
7	A microtexture investigation of recrystallization during friction stir processing of as-cast NiAl bronze. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2006, 37, 2239-2251.	1.1	44
8	Analysis, representation, and prediction of creep transients in Class I alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 410-411, 32-37.	2.6	18
9	Deformation mechanisms in superplastic AA5083 materials. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2005, 36, 1249-1261.	1.1	101
10	The influence of friction stir processing parameters on microstructure of as-cast NiAl bronze. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2005, 36, 1575-1585.	1.1	66
11	Processing, Deformation, and Failure in Superplastic Aluminum Alloys: Applications of Orientation-Imaging Microscopy. Journal of Materials Engineering and Performance, 2004, 13, 710-719.	1.2	5
12	Microstructural modification of as-cast NiAl bronze by friction stir processing. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2004, 35, 2951-2961.	1.1	113
13	Grain boundary evolution and continuous recrystallization of a superplastic Al-Cu-Zr alloy. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 1999, 357, 1683-1705.	1.6	16
14	Microtexture and grain boundary evolution during microstructural refinement processes in SUPRAL 2004. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1997, 28, 1879-1887.	1.1	35
15	Friction Stir Processing (FSP) of As-Cast AA5083 for Grain Refinement and Superplasticity. Key Engineering Materials, 0, 433, 135-140.	0.4	8
16	Friction Stir Processing (FSP) of Cast Metals: Processing - Microstructure - Property Relationships. Materials Science Forum, 0, 706-709, 194-201.	0.3	4