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List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1562432/publications.pdf

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27	846	623188	552369
papers	citations	14 h-index	26 g-index

27	27	27	441
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanically alloyed Moâ€“Siâ€“B alloys with a continuous Î±-Mo matrix and improved mechanical properties. Intermetallics, 2008, 16, 933-941.	1.8	151
2	The influence of silicon on the strength and fracture toughness of molybdenum. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 463, 107-114.	2.6	120
3	Microstructures and tensile properties of massively transformed and aged Ti46Al8Nb and Ti46Al8Ta alloys. Intermetallics, 2009, 17, 32-38.	1.8	92
4	Assessment of the high temperature deformation behavior of molybdenum silicide alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 463, 216-223.	2.6	75
5	Ductilization of Moâ€“Si solid solutions manufactured by powder metallurgy. Acta Materialia, 2009, 57, 3895-3901.	3.8	73
6	Uniaxial cyclic deformation and fatigue behavior of AM50 magnesium alloy sheet metals under symmetric and asymmetric loadings. Materials & Design, 2015, 70, 10-30.	5.1	60
7	Superplasticity of a multiphase refractory Moâ€“Siâ€“B alloy. Scripta Materialia, 2006, 55, 525-528.	2.6	58
8	Deformation of microstructurally refined cast Ti46Al8Nb and Ti46Al8Ta. Intermetallics, 2012, 23, 1-11.	1.8	32
9	Molybdenum alloys for high temperature applications in air. Powder Metallurgy, 2008, 51, 99-102.	0.9	29
10	Nucleation of massive gamma during air cooling of Ti46Al8Ta. Intermetallics, 2010, 18, 938-944.	1.8	27
11	Quasi-static and fatigue behavior of extruded ME21 and twin roll cast AZ31 magnesium sheet metals. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 590, 44-53.	2.6	22
12	A phenomenological stressâ€“strain model for wrought magnesium alloys under elastoplastic strain-controlled variable amplitude loading. International Journal of Fatigue, 2015, 80, 306-323.	2.8	15
13	The fatigue life of notched magnesium sheet metals with emphasis on the effect of bands of twinned grains. International Journal of Fatigue, 2017, 98, 212-222.	2.8	15
14	In situ X-ray tomography investigation of the crack formation in an intermetallic beta-stabilized TiAl-alloy during a stepwise tensile loading. International Journal of Fatigue, 2019, 124, 138-148.	2.8	15
15	Low cycle fatigue of Fe3Al-based iron aluminide with and without Cr. Intermetallics, 2010, 18, 1369-1374.	1.8	11
16	Concept of the highly strained volume for fatigue modeling of wrought magnesium alloys. International Journal of Fatigue, 2018, 117, 283-291.	2.8	11
17	Mechanical behavior of a cellular composite under quasi-static, static, and cyclic compression loading. Journal of Materials Science, 2012, 47, 5635-5645.	1.7	9
18	Discontinuous and inhomogeneous strain distributions under monotonic and cyclic loading in textured wrought magnesium alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 764, 138182.	2.6	7

#	Article	IF	Citations
19	Numerical Fatigue Analysis for Twin Roll Cast Magnesium Sheet Metal Structures. Advanced Materials Research, 0, 891-892, 1021-1026.	0.3	4
20	The influence of near service environmental conditions on the corrosion and LCF behaviour of a beta-stabilized Î³-TiAl alloy. Corrosion Science, 2020, 175, 108885.	3.0	4
21	Assessment of creep behaviour of the die-cast cylinder-head alloy AlSi6Cu4-T6. International Journal of Materials Research, 2006, 97, 1679-1686.	0.1	3
22	Current Status of Mo-Si-B Silicide Alloys for Ultra-high Temperature Applications. Materials Research Society Symposia Proceedings, 2008, 1128, 70701.	0.1	3
23	Recent Advances in the Development of Mechanically Alloyed Mo Silicide Alloys. Materials Science Forum, 2009, 633-634, 549-558.	0.3	3
24	Creep strength of a binary Al₆₂Ti₃₈ alloy. International Journal of Materials Research, 2010, 101, 676-679.	0.1	3
25	Low-Cycle Fatigue Behavior of Hot-Bent Basal Textured AZ31B Wrought Magnesium Alloy. Metals, 2021, 11, 1004.	1.0	2
26	High Temperature Deformation Behavior of a Mechanically Alloyed Mo Silicide Alloy. Materials Research Society Symposia Proceedings, 2006, 980, 6.	0.1	1
27	On the Orowan stress in intermetallic ODS alloys and its superposition with grain size and solid solution hardening. International Journal of Materials Research, 2005, 96, 801-806.	0.8	1