

Loïc Malet

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2694764/publications.pdf>

Version: 2024-02-01

19
papers

342
citations

759233

12
h-index

940533

16
g-index

19
all docs

19
docs citations

19
times ranked

418
citing authors

#	ARTICLE	IF	CITATIONS
1	An alternative to the crystallographic reconstruction of austenite in steels. <i>Materials Characterization</i> , 2014, 89, 23-32.	4.4	51
2	On the relationship between the multiphase microstructure and the mechanical properties of a 0.2C quenched and partitioned steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 701, 254-263.	5.6	51
3	Galvanostatic Anodizing of Additive Manufactured Al-Si10-Mg Alloy. <i>Journal of the Electrochemical Society</i> , 2017, 164, C1027-C1034.	2.9	30
4	Production, microstructure and mechanical properties of cold-rolled Ti-Nb-Mo-Zr alloys for orthopedic applications. <i>Journal of Alloys and Compounds</i> , 2018, 743, 141-145.	5.5	30
5	Dislocation/hydrogen interaction mechanisms in hydrided nanocrystalline palladium films. <i>Acta Materialia</i> , 2016, 111, 253-261.	7.9	28
6	Chemical, morphological and structural characterisation of electroless duplex NiP/NiB coatings on steel. <i>Surface Engineering</i> , 2018, 34, 475-484.	2.2	20
7	On the Effect of Q&P Processing on the Stretch-flange-formability of 0.2C Ultra-high Strength Steel Sheets. <i>ISIJ International</i> , 2018, 58, 1341-1350.	1.4	20
8	Effect of Zn on the grain boundary precipitates and resulting alkaline etching of recycled Al-Mg-Si-Cu alloys. <i>Journal of Alloys and Compounds</i> , 2019, 794, 435-442.	5.5	20
9	Influence of thermo-mechanical processing on structure and mechanical properties of a new metastable β -Ti-29Nb-2Mo-6Zr alloy with low Young's modulus. <i>Journal of Alloys and Compounds</i> , 2020, 820, 153078.	5.5	20
10	Micro and Nanoscale Characterization of Complex Multilayer-Structured White Etching Layer in Rails. <i>Metals</i> , 2018, 8, 749.	2.3	17
11	Microstructure and Mechanical Properties of Ti-12Mo-8Nb Alloy Hot Swaged and Treated for Orthopedic Applications. <i>Materials Research</i> , 2017, 20, 526-531.	1.3	13
12	Crystallographic Reconstruction Study of the Effects of Finish Rolling Temperature on the Variant Selection During Bainite Transformation in C-Mn High-Strength Steels. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 5937-5955.	2.2	12
13	Humidity dependence of transport properties of composite materials used for thermochemical heat storage and thermal transformer appliances. <i>Journal of Energy Storage</i> , 2018, 18, 160-170.	8.1	12
14	Influence of Heat Treatments on Microstructure and Magnetic Domains in Duplex Stainless Steel S31803. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018, 49, 3515-3524.	2.2	7
15	Skeletal integrity of a marine keystone predator (<i>Asterias rubens</i>) threatened by ocean acidification. <i>Journal of Experimental Marine Biology and Ecology</i> , 2020, 526, 151335.	1.5	5
16	On the relation between orientation relationships predicted by the phenomenological theory and internal twins in plate martensite. <i>Scripta Materialia</i> , 2015, 102, 83-86.	5.2	3
17	Grain Scale Analysis of Variant Selection during the Gamma-Epsilon-Alpha' Phase Transformation in Austenitic Steels. <i>Solid State Phenomena</i> , 0, 172-174, 84-89.	0.3	2
18	Quantitative Analysis of Variant Selection and Orientation Relationships during the β -to- α' Phase Transformation in Hot-Rolled TRIP Steels. <i>Advanced Materials Research</i> , 0, 89-91, 359-364.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Variant Selection and Texture in an AISI 301LN Stainless Steel. Materials Science Forum, 2011, 702-703, 850-853.	0.3	0