

Leonardo Agudo Jácome

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1839923/publications.pdf>

Version: 2024-02-01

24
papers

776
citations

759233

12
h-index

642732

23
g-index

24
all docs

24
docs citations

24
times ranked

780
citing authors

#	ARTICLE	IF	CITATIONS
1	Intermetallic FeAl ₃ phases in a steel/Al-alloy fusion weld. <i>Journal of Materials Science</i> , 2007, 42, 4205-4214.	3.7	182
2	High-temperature and low-stress creep anisotropy of single-crystal superalloys. <i>Acta Materialia</i> , 2013, 61, 2926-2943.	7.9	119
3	On the nature of γ' phase cutting and its effect on high temperature and low stress creep anisotropy of Ni-base single crystal superalloys. <i>Acta Materialia</i> , 2014, 69, 246-264.	7.9	113
4	Influence of Filler Composition on the Microstructure and Mechanical Properties of Steel-Aluminum Joints Produced by Metal Arc Joining. <i>Advanced Engineering Materials</i> , 2009, 11, 350-358.	3.5	72
5	Advanced scanning transmission stereo electron microscopy of structural and functional engineering materials. <i>Ultramicroscopy</i> , 2012, 122, 48-59.	1.9	53
6	Effect of processing parameters on the evolution of dislocation density and sub-grain size of a 12%Cr heat resistant steel during creep at 650°C. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 1372-1381.	5.6	51
7	Structural and magnetic characterization of self-assembled iron oxide nanoparticle arrays. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 126003.	1.8	30
8	Tuning the magnetic properties of Co nanoparticles by Pt capping. <i>Physical Review B</i> , 2011, 84, .	3.2	29
9	Creep and creep damage behavior of stainless steel 316L manufactured by laser powder bed fusion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 830, 142223.	5.6	18
10	Subsurface characterization of high-strength high-interstitial austenitic steels after impact wear. <i>Wear</i> , 2018, 402-403, 137-147.	3.1	17
11	Synthesis of titanium carbonitride coating layers with star-shaped crystallite morphology. <i>Materials Letters</i> , 2012, 68, 71-74.	2.6	13
12	Three-dimensional reconstruction and quantification of dislocation substructures from transmission electron microscopy stereo pairs. <i>Ultramicroscopy</i> , 2018, 195, 157-170.	1.9	12
13	Elucidation of orientation relations between Fe-Cr alloys and corrosion products after high temperature SO ₂ corrosion. <i>Corrosion Science</i> , 2020, 174, 108809.	6.6	11
14	Short- and Long-Range Mechanical and Chemical Interphases Caused by Interaction of Boehmite (γ -AlOOH) with Anhydride-Cured Epoxy Resins. <i>Nanomaterials</i> , 2019, 9, 853.	4.1	10
15	Magnetic coupling mechanisms in particle/thin film composite systems. <i>Beilstein Journal of Nanotechnology</i> , 2010, 1, 101-107.	2.8	8
16	On Shear Testing of Single Crystal Ni-Base Superalloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018, 49, 3951-3962.	2.2	7
17	Measurement of Flexural Rigidity of Multi-Walled Carbon Nanotubes by Dynamic Scanning Electron Microscopy. <i>Fibers</i> , 2020, 8, 31.	4.0	7
18	Nickel confined in 2D earth-abundant oxide layers for highly efficient and durable oxygen evolution catalysts. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13340-13350.	10.3	6

#	ARTICLE	IF	CITATIONS
19	Interaction effects and transport properties of Pt capped Co nanoparticles. Journal of Applied Physics, 2013, 113, .	2.5	5
20	Transmission electron microscopy study of the microstructural evolution during high-temperature and low-stress (011) [11] shear creep deformation of the superalloy single crystal LEK 94. Journal of Materials Research, 2017, 32, 4491-4502.	2.6	5
21	Phase Identification by Image Processing of EBSD Patterns. Microscopy and Microanalysis, 2013, 19, 842-843.	0.4	4
22	Early Material Damage in Equimolar CrMnFeCoNi in Mixed Oxidizing/Sulfiding Hot Gas Atmosphere. Advanced Engineering Materials, 2022, 24, .	3.5	2
23	Revealing the Nature of Melt Pool Boundaries in Additively Manufactured Stainless Steel by Nano-Modulation. Advanced Engineering Materials, 2022, 24, .	3.5	2
24	Shift of the blocking temperature of Co nanoparticles by Cr capping. Journal of Applied Physics, 2013, 114, 233908.	2.5	0