

# Lais Mujica Roncery

## List of Publications by Year in descending order

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17  
papers

697  
citations

623734

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888059

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g-index

17  
all docs

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docs citations

17  
times ranked

644  
citing authors

#	ARTICLE	IF	CITATIONS
1	Welding of twinning-induced plasticity steels. <i>Scripta Materialia</i> , 2012, 66, 997-1001.	5.2	109
2	Solution Heat Treatment of the Single Crystal Nickelâ€Base Superalloy CMSXâ€4 Fabricated by Selective Electron Beam Melting. <i>Advanced Engineering Materials</i> , 2015, 17, 1486-1493.	3.5	84
3	Impact of hot isostatic pressing on microstructures of CMSX-4 Ni-base superalloy fabricated by selective electron beam melting. <i>Materials and Design</i> , 2016, 110, 720-727.	7.0	68
4	Influence of temperature, pressure, and cooling rate during hot isostatic pressing on the microstructure of an SX Ni-base superalloy. <i>Materials and Design</i> , 2016, 97, 544-552.	7.0	58
5	Topological phase inversion after long-term thermal exposure of nickel-base superalloys: Experiment and phase-field simulation. <i>Acta Materialia</i> , 2017, 124, 151-158.	7.9	55
6	Effect of porosity and eutectics on the high-temperature low-cycle fatigue performance of a nickel-base single-crystal superalloy. <i>Scripta Materialia</i> , 2018, 155, 139-143.	5.2	46
7	The thermal stability of topologically close-packed phases in the single-crystal Ni-base superalloy ERBO/1. <i>Journal of Materials Science</i> , 2016, 51, 2653-2664.	3.7	40
8	On the Effect of Hot Isostatic Pressing on the Creep Life of a Single Crystal Superalloys. <i>Advanced Engineering Materials</i> , 2016, 18, 1381-1387.	3.5	36
9	Rejuvenation of creep resistance of a Ni-base single-crystal superalloy by hot isostatic pressing. <i>Materials and Design</i> , 2017, 134, 418-425.	7.0	36
10	Nucleation and precipitation kinetics of M <sub>23</sub> C <sub>6</sub> and M <sub>2</sub> N in an Feâ€Mnâ€Crâ€Caâ€N austenitic matrix and their relationship with the sensitization phenomenon. <i>Acta Materialia</i> , 2011, 59, 6275-6286.	7.9	35
11	Development of Mn-Cr-(C-N) Corrosion Resistant Twinning Induced Plasticity Steels: Thermodynamic and Diffusion Calculations, Production, and Characterization. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2010, 41, 2471-2479.	2.2	31
12	Impact of chemical inhomogeneities on local material properties and hydrogen environment embrittlement in AISI 304L steels. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 5206-5216.	7.1	29
13	XRD measurement of stacking fault energy of Crâ€Ni austenitic steels: influence of temperature and alloying elements. <i>Journal of Materials Science</i> , 2020, 55, 13424-13437.	3.7	23
14	Subsurface characterization of high-strength high-interstitial austenitic steels after impact wear. <i>Wear</i> , 2018, 402-403, 137-147.	3.1	17
15	CrMnFeCoNi high entropy alloys with carbon and nitrogen: mechanical properties, wear and corrosion resistance. <i>SN Applied Sciences</i> , 2021, 3, 1.	2.9	11
16	Mechanical Properties of (20â€30)Mn12Cr(0.56â€0.7)CN Corrosion Resistant Austenitic TWIP Steels. <i>Steel Research International</i> , 2012, 83, 307-314.	1.8	10
17	Diffusion processes during cementite precipitation and their impact on electrical and thermal conductivity of a heat-treatable steel. <i>Journal of Materials Science</i> , 2017, 52, 375-390.	3.7	9