

Mauro MartÃ-Ã-n

List of Publications by Year in descending order

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20
papers

489
citations

1039406

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h-index

887659

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20
all docs

20
docs citations

20
times ranked

361
citing authors

#	ARTICLE	IF	CITATIONS
1	Relationship between hydrogen embrittlement and Md30 temperature: Prediction of low-nickel austenitic stainless steel's resistance. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 25064-25075.	3.8	26
2	Role of surface oxide layers in the hydrogen embrittlement of austenitic stainless steels: A TOF-SIMS study. <i>Acta Materialia</i> , 2019, 180, 329-340.	3.8	5
3	Effects of Strain Rate on the TRIP-TWIP Transition of an Austenitic Fe-18Mn-2Si-2Al Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2019, 50, 4058-4066.	1.1	11
4	Pearlite Development in Commercial Hadfield Steel by Means of Isothermal Reactions. <i>Metallography, Microstructure, and Analysis</i> , 2017, 6, 591-597.	0.5	5
5	Influence of Pearlite Formation on the Ductility Response of Commercial Hadfield Steel. <i>Metallography, Microstructure, and Analysis</i> , 2016, 5, 505-511.	0.5	4
6	Impact of the Microstructure and Surface Finishing on the Ductility Response of AISI type 304L Steel Tested in High Pressure Hydrogen Gas Atmosphere. , 2015, 9, 396-403.		3
7	σ-N fatigue properties of a stable high-aluminum austenitic stainless steel for hydrogen applications. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 9935-9941.	3.8	13
8	SIMS analysis on austenitic stainless steel: The influence of type of oxide surface layer on hydrogen embrittlement. <i>Journal of Alloys and Compounds</i> , 2013, 580, S13-S17.	2.8	7
9	Development of a stable high-aluminum austenitic stainless steel for hydrogen applications. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 5989-6001.	3.8	28
10	A thermodynamic approach for the development of austenitic steels with a high resistance to hydrogen gas embrittlement. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 14887-14895.	3.8	9
11	Hydrogen environment embrittlement of stable austenitic steels. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 16231-16246.	3.8	164
12	Impact of heat treatment on the mechanical properties of AISI 304L austenitic stainless steel in high-pressure hydrogen gas. <i>Journal of Materials Science</i> , 2012, 47, 6095-6107.	1.7	27
13	SIMS study on the surface chemistry of stainless steel AISI 304 cylindrical tensile test samples showing hydrogen embrittlement. <i>Journal of Alloys and Compounds</i> , 2011, 509, S885-S890.	2.8	5
14	Influence of machining-induced martensite on hydrogen-assisted fracture of AISI type 304 austenitic stainless steel. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 11195-11206.	3.8	94
15	Effect of alloying elements on hydrogen environment embrittlement of AISI type 304 austenitic stainless steel. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 15888-15898.	3.8	53
16	Lean-alloyed austenitic stainless steel with high resistance against hydrogen environment embrittlement. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 7688-7695.	2.6	22
17	Utilization of sound signals to evaluate the risk of slopping in oxygen converters. <i>Revue De Metallurgie</i> , 2010, 107, 309-317.	0.3	4
18	Computer assisted development of high alloyed steels for hydrogen applications. <i>HTM - Journal of Heat Treatment and Materials</i> , 2010, 65, 230-234.	0.1	6

#	ARTICLE	IF	CITATIONS
19	Fundamental investigation of interfaces in particle reinforced steel sheets processed by thin strip casting. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2009, 40, 813-819.	0.5	0
20	Development of Lean Alloyed Austenitic Stainless Steels with Reduced Tendency to Hydrogen Environment Embrittlement. <i>Materials Science Forum</i> , 0, 706-709, 1041-1046.	0.3	3