

MÃ³nica Preciado Calzada

List of Publications by Year in descending order

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1040056

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18
docs citations

18
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245
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of low temperature tempering prior cryogenic treatment on carburized steels. Journal of Materials Processing Technology, 2006, 176, 41-44.	6.3	108
2	Influence of deep cryogenic treatment on the thermal decomposition of Fe-C martensite. Journal of Materials Science, 2014, 49, 8183-8191.	3.7	42
3	Improved correlation for elastic modulus prediction of metallic materials in the Small Punch Test. International Journal of Mechanical Sciences, 2017, 134, 112-122.	6.7	37
4	Development of an improved prediction method for the yield strength of steel alloys in the Small Punch Test. Materials and Design, 2018, 148, 153-166.	7.0	28
5	Fatigue behaviour of an autofrettaged high-pressure vessel for the food industry. Engineering Failure Analysis, 2007, 14, 396-407.	4.0	24
6	Optimization of the t/10 offset correlation method to obtain the yield strength with the Small Punch Test. Journal of Nuclear Materials, 2020, 534, 152177.	2.7	13
7	A New Prediction Method for the Ultimate Tensile Strength of Steel Alloys with Small Punch Test. Materials, 2018, 11, 1491.	2.9	11
8	A systematic FEM analysis of the influence of mechanical properties in the reliability of the correlation methods in the small punch test. International Journal of Mechanical Sciences, 2019, 153-154, 299-309.	6.7	11
9	Deviations in yield and ultimate tensile strength estimation with the Small Punch Test: Numerical analysis of pre-straining and Bauschinger effect influence. Mechanics of Materials, 2021, 153, 103696.	3.2	11
10	Cold Expansion Process with Multiple Balls—Numerical Simulation and Comparison with Single Ball and Tapered Mandrels. Materials, 2020, 13, 5536.	2.9	9
11	Ring Hoop Tension Test for yield strength estimation: Numerical analysis for a novel correlation method and applicability for mechanical testing of tubes and pipes. Mechanics of Materials, 2022, 169, 104295.	3.2	7
12	Change of mechanical properties of AM60B alloy with heat treatments and its correlation with small punch tests. Theoretical and Applied Fracture Mechanics, 2016, 86, 101-108.	4.7	6
13	Viscoelasticity and the Small Punch Creep Recovery Test: Numerical analysis and experimental tests on the applicability for polyvinyl chloride (PVC). Mechanics of Materials, 2021, 161, 104016.	3.2	5
14	Failure analysis of galvanized iron pipeline accessories of a fire protection system. Engineering Failure Analysis, 2009, 16, 669-674.	4.0	2
15	Strain Rate during Creep in High-Pressure Die-Cast AZ91 Magnesium Alloys at Intermediate Temperatures. Materials, 2019, 12, 872.	2.9	2
16	A new correlation method to obtain the ultimate tensile strength with small punch test and its application to hot-stamping processes. AIP Conference Proceedings, 2019, , .	0.4	1
17	High pressure seal failure: Analysis of the fatigue issue originated in pressure-leak relieving slots. Engineering Failure Analysis, 2019, 100, 127-146.	4.0	1
18	Influence of the material anisotropy in the estimation of the yield strength with the Small Punch Test. Fusion Engineering and Design, 2020, 160, 112019.	1.9	1