

MÃ³nica Preciado Calzada

List of Publications by Year in descending order

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245
citing authors

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