

Emmanuelle Rouhaud

List of Publications by Year in descending order

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papers

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14
docs citations

14
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214
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation of shot dynamics for ultrasonic shot peening: Effects of process parameters. International Journal of Mechanical Sciences, 2014, 82, 179-190.	6.7	48
2	Simulation of shot peening: From process parameters to residual stress fields in a structure. Comptes Rendus - Mecanique, 2016, 344, 355-374.	2.1	34
3	Influence of Shots' Material on Shot Peening, a Finite Element Model. Materials Science Forum, 2002, 404-407, 153-158.	0.3	29
4	Coupled thermo-mechanical simulations of shot impacts: Effects of the temperature on the residual stress field due to shot-peening. Journal of Materials Processing Technology, 2009, 209, 3879-3886.	6.3	21
5	Simulation and experimental approach for shot velocity evaluation in ultrasonic shot peening. Mecanique Et Industries, 2011, 12, 223-229.	0.2	16
6	Comparison between Conventional Shot Peening (SP) and Surface Mechanical Attrition Treatment (SMAT) on a Titanium Alloy. Advanced Materials Research, 0, 996, 964-968.	0.3	12
7	Modelling of the Ultrasonic Shot Peening Process. Materials Science Forum, 2005, 490-491, 67-72.	0.3	9
8	Viscoelasticity behavior for finite deformations, using a consistent hypoelastic model based on Rivlin materials. Continuum Mechanics and Thermodynamics, 2016, 28, 1741-1758.	2.2	6
9	Investigation on the Use of a Spacetime Formalism for Modeling and Numerical Simulations of Heat Conduction Phenomena. Journal of Non-Equilibrium Thermodynamics, 2020, 45, 223-246.	4.2	6
10	Incremental constitutive models for elastoplastic materials undergoing finite deformations by using a four-dimensional formalism. International Journal of Engineering Science, 2016, 106, 199-219.	5.0	5
11	A Kinematic Hardening Finite Elements Model to Evaluate Residual Stresses in Shot-Peened Parts, Local Measurements by X-Ray Diffraction. Materials Science Forum, 2006, 524-525, 161-166.	0.3	3
12	Covariant spacetime formalism for applications to thermo-hyperelasticity. Acta Mechanica, 2022, 233, 2309-2334.	2.1	2
13	On the use of a spacetime modeling for heat equation applied to self-heating computation with comparison to experimental results. Heat and Mass Transfer, 2021, 57, 2045.	2.1	1
14	Space-Time Thermo-Mechanics for a Material Continuum. Lecture Notes in Computer Science, 2021, , 219-226.	1.3	0