

Santiago A Serebrinsky

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

436
citations

1478505

6
h-index

1474206

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g-index

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all docs

15
docs citations

15
times ranked

409
citing authors

#	ARTICLE	IF	CITATIONS
1	Propagation regimes, transition times, and approximate universality in 2D hydraulic fracture propagation with fluid lag. <i>Engineering Fracture Mechanics</i> , 2021, 254, 107905.	4.3	1
2	A fully-coupled computational framework for large-scale simulation of fluid-driven fracture propagation on parallel computers. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 372, 113365.	6.6	15
3	Comment on "Aging-induced anisotropy of mechanical properties in steel products: Implications for the measurement of engineering properties" by Richards et al. [<i>Mater. Sci. Eng. A</i> 529 (2011) 184]. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 564, 127-129.	5.6	0
4	Effect of Forming on Behavior of UOE Pipe Material. , 2013, , .		0
5	Material Testing for the Prediction of the Effect of Deformation and Aging Thermal Treatments on Collapse Resistance of UOE Pipes. , 2013, , .		0
6	Modeling of the Collapse and Propagation Behavior of UOE SAW Pipes Under External Pressure: Influence of Thermal Treatments for Typical Coating Applications. , 2012, , .		2
7	Modeling the Effect of Material Behavior and Mild Thermal Treatments on Collapse Resistance of UOE Pipes. , 2012, , .		3
8	Physical time scale in kinetic Monte Carlo simulations of continuous-time Markov chains. <i>Physical Review E</i> , 2011, 83, 037701.	2.1	45
9	A phenomenological cohesive model of ferroelectric fatigue. <i>Acta Materialia</i> , 2006, 54, 975-984.	7.9	59
10	Calculation of the pressure dependence of the bulk modulus using a jellium model. <i>International Journal of Hydrogen Energy</i> , 2004, 29, 93-95.	7.1	6
11	Density of states induced by a hydrogenic impurity in a metal. <i>International Journal of Hydrogen Energy</i> , 2004, 29, 497-500.	7.1	2
12	A quantum-mechanically informed continuum model of hydrogen embrittlement. <i>Journal of the Mechanics and Physics of Solids</i> , 2004, 52, 2403-2430.	4.8	246
13	Effect of the strain rate on stress corrosion crack velocities in face-centred cubic alloys. A mechanistic interpretation. <i>Corrosion Science</i> , 2004, 46, 591-612.	6.6	27
14	A cohesive model of fatigue of ferroelectric materials under electro-mechanical cyclic loading. , 2004, 5387, 371.		1
15	Effect of strain rate on stress corrosion crack velocity: difference between intergranular and transgranular cracking. <i>Corrosion Science</i> , 1999, 41, 191-195.	6.6	29