

# Santiago A Serebrinsky

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8818751/publications.pdf>

Version: 2024-02-01

15  
papers

436  
citations

1478505

6  
h-index

1474206

9  
g-index

15  
all docs

15  
docs citations

15  
times ranked

409  
citing authors

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