Jordi BarÃ³

List of Publications by Year
in descending order

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21 papers	704 citations	687220 13 h-index	677027 22 g-index
26 all docs	26 docs citations	26 times ranked	424 citing authors

#	Article	IF	Citations
1	Statistical Similarity between the Compression of a Porous Material and Earthquakes. Physical Review Letters, 2013, 110, 088702.	2.9	213
2	Avalanches in compressed porous<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="normal">Si</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>-based materials. Physical Review E, 2014, 90, 022405.	0.8	76
3	Noise of collapsing minerals: Predictability of the compressional failure in goethite mines. American Mineralogist, 2013, 98, 609-615.	0.9	53
4	Analysis of power-law exponents by maximum-likelihood maps. Physical Review E, 2012, 85, 066121.	0.8	49
5	Crackling noise during failure of alumina under compression: the effect of porosity. Journal of Physics Condensed Matter, 2013, 25, 292202.	0.7	48
6	Tuning avalanche criticality: Acoustic emission during the martensitic transformation of a compressed Ni-Mn-Ga single crystal. Physical Review B, 2012, 86, .	1.1	34
7	Experimental Evidence of Accelerated Seismic Release without Critical Failure in Acoustic Emissions of Compressed Nanoporous Materials. Physical Review Letters, 2018, 120, 245501.	2.9	34
8	Avalanche correlations in the martensitic transition of a Cuâ€“Znâ€“Al shape memory alloy: analysis of acoustic emission and calorimetry. Journal of Physics Condensed Matter, 2014, 26, 125401.	0.7	31
9	Simultaneous detection of acoustic emission and Barkhausen noise during the martensitic transition of a Ni-Mn-Ga magnetic shape-memory alloy. Physical Review B, 2013, 88, .	1.1	24
10	Avalanche criticalities and elastic and calorimetric anomalies of the transition from cubic Cu-Al-Ni to a mixture of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>18</mml:mn><mml:mi>R</mml:mi></mml:mrow></mml <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>2</mml:mn><mml:mi>H</mml:mi></mml:mrow></mml:m Physical Review B, 2016, 94, .	1.1	24
11	Avalanche criticality during compression of porcine cortical bone of different ages. Physical Review E, 2016, 93, 053001.	0.8	22
12	Interevent Triggering in Microseismicity Induced by Hydraulic Fracturing. Bulletin of the Seismological Society of America, 2018, 108, 1133-1146.	1.1	19
13	Fracking and labquakes. Philosophical Magazine, 2016, 96, 3686-3696.	0.7	15
14	Universal avalanche statistics and triggering close to failure in a mean-field model of rheological fracture. Physical Review E, 2018, 97, 033002.	0.8	15
15	What Controls the Presence and Characteristics of Aftershocks in Rock Fracture in the Lab?. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022539.	1.4	13
16	Seismic hazard due to fluid injections. Physical Review Research, 2020, 2, .	1.3	10
17	Are triggering rates of labquakes universal? Inferring triggering rates from incomplete information. European Physical Journal: Special Topics, 2017, 226, 3211-3225.	1.2	7
18	Quasistatic kinetic avalanches and self-organized criticality in deviatorically loaded granular media. Physical Review E, 2021, 104, 024901.	0.8	6

#	Article	IF	Citations
19	Topological Properties of Epidemic Aftershock Processes. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018530.	1.4	5
20	Avalanche dynamics of a generalized earthquake model. Physica A: Statistical Mechanics and Its Applications, 2019, 525, 1463-1471.	1.2	2
21	Publisher's Note: Avalanches in compressed porousSiO2-based materials [Phys. Rev. E90, 022405 (2014)]. Physical Review E, 2014, 90, .	0.8	1