

Dislocation Avalanches, Strain Bursts, and the Problem Micrometer Scale

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Evidence for universal intermittent crystal plasticity from acoustic emission and high-resolution extensometry experiments. <i>Physical Review B</i> , 2007, 76, .	1.1	113
2	Crackling Wires. <i>Science</i> , 2007, 318, 207-208.	6.0	4
3	Novel Synthesis of Metal Nanowhiskers: High-Temperature Glancing Angle Deposition. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1058, 1.	0.1	0
4	Micro-bending tests: A comparison between three-dimensional discrete dislocation dynamics simulations and experiments. <i>Acta Materialia</i> , 2008, 56, 1942-1955.	3.8	131
5	Athermal mechanisms of size-dependent crystal flow gleaned from three-dimensional discrete dislocation simulations. <i>Acta Materialia</i> , 2008, 56, 3245-3259.	3.8	285
6	Multiscale simulation of onset plasticity during nanoindentation of Al (001) surface. <i>Acta Materialia</i> , 2008, 56, 4358-4368.	3.8	57
7	Material yielding and irreversible deformation mediated by dislocation motion. <i>European Physical Journal B</i> , 2008, 64, 443-450.	0.6	25
8	On the initial microstructure of metallic micropillars. <i>Scripta Materialia</i> , 2008, 59, 471-474.	2.6	46
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10	Exactly solvable model of avalanches dynamics for Barkhausen crackling noise. <i>Advances in Physics</i> , 2008, 57, 287-359.	35.9	93
11	Strain bursts in plastically deforming molybdenum micro- and nanopillars. <i>Philosophical Magazine</i> , 2008, 88, 3861-3874.	0.7	128
12	The probability distribution of internal stresses in externally loaded 2D dislocation systems. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2008, 2008, P12009.	0.9	3
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16	Phenomenological approach to mechanical damage growth analysis. <i>Physical Review E</i> , 2008, 78, 046103.	0.8	21
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18	Rheology of colloidal microphases in a model with competing interactions. <i>Physical Review E</i> , 2008, 78, 021402.	0.8	31

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24	Deformation of micron-sized aluminium bi-crystal pillars. Philosophical Magazine, 2009, 89, 3013-3026.	0.7	105
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