

Karin Dahmen

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,803
citations

687363

13
h-index

1058476

14
g-index

16
all docs

16
docs citations

16
times ranked

1127
citing authors

#	ARTICLE	IF	CITATIONS
1	Hysteresis and hierarchies: Dynamics of disorder-driven first-order phase transformations. Physical Review Letters, 1993, 70, 3347-3350.	7.8	597
2	Avalanches, Barkhausen Noise, and Plain Old Criticality. Physical Review Letters, 1995, 75, 4528-4531.	7.8	248
3	Statistics of Earthquakes in Simple Models of Heterogeneous Faults. Physical Review Letters, 1997, 78, 4885-4888.	7.8	244
4	Hysteresis, avalanches, and disorder-induced critical scaling: A renormalization-group approach. Physical Review B, 1996, 53, 14872-14905.	3.2	213
5	Self-driven mode switching of earthquake activity on a fault system. Earth and Planetary Science Letters, 1999, 172, 11-21.	4.4	115
6	Gutenberg-Richter and characteristic earthquake behavior in simple mean-field models of heterogeneous faults. Physical Review E, 1998, 58, 1494-1501.	2.1	107
7	Hysteresis loop critical exponents in 6- $\hat{\mu}$ dimensions. Physical Review Letters, 1993, 71, 3222-3225.	7.8	67
8	Classical topological order in the kinetics of artificial spin ice. Nature Physics, 2018, 14, 723-727.	16.7	57
9	Universal fluctuations and extreme statistics of avalanches near the depinning transition. Physical Review E, 2013, 87, 022126.	2.1	55
10	Networks and Hierarchies: How Amorphous Materials Learn to Remember. Physical Review Letters, 2019, 123, 178002.	7.8	42
11	Universal clues in noisy skews. Nature Physics, 2005, 1, 13-14.	16.7	23
12	Topology of the energy landscape of sheared amorphous solids and the irreversibility transition. Physical Review E, 2021, 103, 062614.	2.1	14
13	Disorder-driven first-order phase transformations: A model for hysteresis. Journal of Applied Physics, 1994, 75, 5946-5948.	2.5	13
14	Disorder-driven hysteresis-loop criticality in Co/CoO films. Journal of Applied Physics, 2001, 89, 7466-7468.	2.5	8
15	Avalanches in Slowly Sheared Disordered Materials. , 2015, , 307-336.		0
16	Linking Friction Scales from Nano to Macro via Avalanches. Tribology Letters, 2022, 70, .	2.6	0