Juha Koivisto

List of Publications by Year
in descending order

32 papers	362 citations	840728 11 h-index	794568 19 g-index
33 all docs	33 docs citations	33 times ranked	301 citing authors

#	Article	IF	Citations
1	Fluctuations and Scaling in Creep Deformation. Physical Review Letters, 2010, 105, 100601.	7.8	45
2	Creep of a Fracture Line in Paper Peeling. Physical Review Letters, 2007, 99, 145504.	7.8	30
3	Effect of interstitial fluid on the fraction of flow microstates that precede clogging in granular hoppers. Physical Review E, 2017, 95, 032904.	2.1	29
4	Predicting sample lifetimes in creep fracture of heterogeneous materials. Physical Review E, 2016, 94, 023002.	2.1	28
5	The sands of time run faster near the end. Nature Communications, 2017, 8, 15551.	12.8	28
6	Friction controls even submerged granular flows. Soft Matter, 2017, 13, 7657-7664.	2.7	23
7	Crackling noise and its dynamics in fracture of disordered media. Journal Physics D: Applied Physics, 2009, 42, 214013.	2.8	22
8	Statistics of acoustic emission in paper fracture: precursors and criticality. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P02016.	2.3	22
9	Repulsion and Attraction between a Pair of Cracks in a Plastic Sheet. Physical Review Letters, 2015, 114, 205501.	7.8	15
10	Scalable method for bio-based solid foams that mimic wood. Scientific Reports, 2021, 11, 24306.	3.3	15
11	Effect of fatigue and annual ringsâ€™ orientation on mechanical properties of wood under cross-grain uniaxial compression. Wood Science and Technology, 2013, 47, 1117-1133.	3.2	13
12	Relaxation of creep strain in paper. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P07019.	2.3	10
13	Spatial fluctuations in transient creep deformation. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, P07002.	2.3	10
14	Statistical properties of low cycle fatigue in paper. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, P05002.	2.3	10
15	Line creep in paper peeling. International Journal of Fracture, 2008, 151, 281-297.	2.2	8
16	Machine learning and predicting the time-dependent dynamics of local yielding in dry foams. Physical Review Research, 2020, 2, .	3.6	8
17	Crossover from mean-field compression to collective phenomena in low-density foam-formed fiber material. Soft Matter, 2020, 16, 6819-6825.	2.7	7
18	Thermal conductivity of wood: effect of fatigue treatment. Wood Science and Technology, 2015, 49, 359-370.	3.2	6

#	Article	IF	Citations
19	Contamination detection by optical measurements in a realâ€life environment: A hospital case study. Journal of Biophotonics, 2020, 13, e201960069.	2.3	6
20	Influence of strain rate, temperature and fatigue on the radial compression behaviour of Norway spruce. Holzforschung, 2017, 71, 505-514.	1.9	5
21	Probing the local response of a two-dimensional liquid foam. European Physical Journal B, 2019, 92, 1.	1.5	5
22	Strain fluctuations from DIC technique applied on paper under fatigue or creep. Procedia Engineering, 2011, 10, 2678-2683.	1.2	4
23	Predicting and following T1 events in dry foams from geometric features. Physical Review Materials, 2021, 5, .	2.4	4
24	Line creep in paper peeling. International Journal of Fracture, 2008, 154, 147-158.	2.2	2
25	Scale-free features of temporal localization of deformation in late stages of creep failure. Physical Review Materials, 2020, 4, .	2.4	2
26	Fatigue crack growth in an aluminum alloy: Avalanches and coarse graining to growth laws. Physical Review Research, 2021, 3, .	3.6	2
27	Deformation, acoustic emission and ultrasound velocity during fatigue tests on paper. EPJ Web of Conferences, 2010, 6, 42016.	0.3	1
28	Crack growth and energy dissipation in paper. Scientific Reports, 2018, 8, 17334.	3.3	1
29	Line Creep in Paper Peeling. EPJ Web of Conferences, 2010, 6, 42010.	0.3	0
30	Vibration controlled foam yielding. Soft Matter, 2020, 16, 9028-9034.	2.7	0
31	Chlamydomonas reinhardtii swimming in the Plateau borders of 2D foams. Soft Matter, 2021, 17, 145-152.	2.7	0
32	Measuring biofoam anisotropy using optical coherence tomography. Journal of Materials Science, 0, , .	3.7	0