

# Juha Koivisto

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

27  
papers

256  
citations

10  
h-index

15  
g-index

33  
ext. papers

321  
ext. citations

3.6  
avg, IF

3.29  
L-index

#	Paper	IF	Citations
27	Fluctuations and scaling in creep deformation. <i>Physical Review Letters</i> , <b>2010</b> , 105, 100601	7.4	37
26	Creep of a fracture line in paper peeling. <i>Physical Review Letters</i> , <b>2007</b> , 99, 145504	7.4	28
25	The sands of time run faster near the end. <i>Nature Communications</i> , <b>2017</b> , 8, 15551	17.4	21
24	Effect of interstitial fluid on the fraction of flow microstates that precede clogging in granular hoppers. <i>Physical Review E</i> , <b>2017</b> , 95, 032904	2.4	21
23	Friction controls even submerged granular flows. <i>Soft Matter</i> , <b>2017</b> , 13, 7657-7664	3.6	18
22	Statistics of acoustic emission in paper fracture: precursors and criticality. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2010</b> , 2010, P02016	1.9	18
21	Crackling noise and its dynamics in fracture of disordered media. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 214013	3	17
20	Predicting sample lifetimes in creep fracture of heterogeneous materials. <i>Physical Review E</i> , <b>2016</b> , 94, 023002	2.4	17
19	Repulsion and Attraction between a Pair of Cracks in a Plastic Sheet. <i>Physical Review Letters</i> , <b>2015</b> , 114, 205501	7.4	12
18	Statistical properties of low cycle fatigue in paper. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2011</b> , 2011, P05002	1.9	10
17	Effect of fatigue and annual rings orientation on mechanical properties of wood under cross-grain uniaxial compression. <i>Wood Science and Technology</i> , <b>2013</b> , 47, 1117-1133	2.5	9
16	Spatial fluctuations in transient creep deformation. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2011</b> , 2011, P07002	1.9	8
15	Relaxation of creep strain in paper. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2010</b> , 2010, P07019	1.9	7
14	Line creep in paper peeling. <i>International Journal of Fracture</i> , <b>2008</b> , 151, 281-297	2.3	7
13	Influence of strain rate, temperature and fatigue on the radial compression behaviour of Norway spruce. <i>Holzforschung</i> , <b>2017</b> , 71, 505-514	2	5
12	Thermal conductivity of wood: effect of fatigue treatment. <i>Wood Science and Technology</i> , <b>2015</b> , 49, 359-370	3.0	4
11	Crossover from mean-field compression to collective phenomena in low-density foam-formed fiber material. <i>Soft Matter</i> , <b>2020</b> , 16, 6819-6825	3.6	3

10	Strain fluctuations from DIC technique applied on paper under fatigue or creep. <i>Procedia Engineering</i> , <b>2011</b> , 10, 2678-2683		3
9	Machine learning and predicting the time-dependent dynamics of local yielding in dry foams. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	3
8	Probing the local response of a two-dimensional liquid foam. <i>European Physical Journal B</i> , <b>2019</b> , 92, 1	1.2	2
7	Line creep in paper peeling. <i>International Journal of Fracture</i> , <b>2008</b> , 154, 147-158	2.3	2
6	Deformation, acoustic emission and ultrasound velocity during fatigue tests on paper. <i>EPJ Web of Conferences</i> , <b>2010</b> , 6, 42016	0.3	1
5	Predicting and following T1 events in dry foams from geometric features. <i>Physical Review Materials</i> , <b>2021</b> , 5,	3.2	1
4	Contamination detection by optical measurements in a real-life environment: A hospital case study. <i>Journal of Biophotonics</i> , <b>2020</b> , 13, e201960069	3.1	1
3	Crack growth and energy dissipation in paper. <i>Scientific Reports</i> , <b>2018</b> , 8, 17334	4.9	1
2	Scalable method for bio-based solid foams that mimic wood.. <i>Scientific Reports</i> , <b>2021</b> , 11, 24306	4.9	0
1	<i>Chlamydomonas reinhardtii</i> swimming in the Plateau borders of 2D foams. <i>Soft Matter</i> , <b>2021</b> , 17, 145-153.6		