

# Lasse Makkonen

## List of Publications by Year in descending order

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Version: 2024-02-01

63  
papers

2,915  
citations

186265

28  
h-index

168389

53  
g-index

64  
all docs

64  
docs citations

64  
times ranked

1969  
citing authors

#	ARTICLE	IF	CITATIONS
1	Probabilistic evaluation of quantile estimators. Communications in Statistics - Theory and Methods, 2021, 50, 3319-3337.	1.0	3
2	An improved method of extreme value analysis. Journal of Hydrology X, 2019, 2, 100012.	1.6	16
3	A novel water droplet size parameter for calculation of icing on power lines. Cold Regions Science and Technology, 2018, 149, 65-70.	3.5	7
4	Modelling frazil and anchor ice on submerged objects. Cold Regions Science and Technology, 2018, 151, 64-74.	3.5	12
5	Modelling the growth of large rime ice accretions. Cold Regions Science and Technology, 2018, 151, 133-137.	3.5	18
6	Another look at the interfacial interaction parameter. Journal of Colloid and Interface Science, 2018, 529, 243-246.	9.4	16
7	A 2D numerical study on the effect of conductor shape on icing collision efficiency. Cold Regions Science and Technology, 2017, 143, 52-58.	3.5	15
8	A thermodynamic model of contact angle hysteresis. Journal of Chemical Physics, 2017, 147, 064703.	3.0	54
9	Friction in sliding heavy objects on ice. Journal of Glaciology, 2016, 62, 1186-1186.	2.2	1
10	Comment on "Simple thermodynamic derivation of the electrocapillary equations" by E.M. Gutman [Surf. Sci. 639 (2015) L5-L8]. Surface Science, 2016, 647, 108-109.	1.9	0
11	Young's equation revisited. Journal of Physics Condensed Matter, 2016, 28, 135001.	1.8	74
12	Simple thermodynamic derivation of the electrocapillary equations. Surface Science, 2015, 635, 61-63.	1.9	2
13	Climate change projections for variables affecting road networks in Europe. Transportation Planning and Technology, 2014, 37, 678-694.	2.0	4
14	Defining Sample Quantiles by the True Rank Probability. Journal of Probability and Statistics, 2014, 2014, 1-6.	0.7	13
15	Modeling the friction of ice. Cold Regions Science and Technology, 2014, 102, 84-93.	3.5	67
16	Size effect in fatigue based on the extreme value distribution of defects. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 594, 68-71.	5.6	22
17	Superhydrophilic Polyelectrolyte Brush Layers with Imparted Anti-Icing Properties: Effect of Counter ions. ACS Applied Materials & Interfaces, 2014, 6, 6487-6496.	8.0	115
18	Misconceptions of the Relation between Surface Energy and Surface Tension on a Solid. Langmuir, 2014, 30, 2580-2581.	3.5	8

#	ARTICLE	IF	CITATIONS
19	Determining ice loads for tower structure design. <i>Engineering Structures</i> , 2014, 74, 229-232.	5.3	15
20	Discussion on "Plotting positions for fitting distributions and extreme value analysis". <i>Canadian Journal of Civil Engineering</i> , 2013, 40, 927-929.	1.3	12
21	Closure to "Problems in the extreme value analysis" ( <i>Struct. Safety</i> 2008:30:405-419). <i>Structural Safety</i> , 2013, 40, 65-67.	5.3	15
22	A model of hoarfrost formation on a cable. <i>Cold Regions Science and Technology</i> , 2013, 85, 256-260.	3.5	13
23	A thermodynamic model of sliding friction. <i>AIP Advances</i> , 2012, 2, 012179.	1.3	31
24	Ice Adhesion "Theory, Measurements and Countermeasures. <i>Journal of Adhesion Science and Technology</i> , 2012, 26, 413-445.	2.6	172
25	Misinterpretation of the Shuttleworth equation. <i>Scripta Materialia</i> , 2012, 66, 627-629.	5.2	17
26	Prediction of In-Cloud Icing Conditions at Ground Level Using the WRF Model. <i>Journal of Applied Meteorology and Climatology</i> , 2011, 50, 2445-2459.	1.5	47
27	Turbine Size and Temperature Dependence of Icing on Wind Turbine Blades. <i>Wind Engineering</i> , 2010, 34, 615-627.	1.9	15
28	Towards modelling of decay risk of wooden materials. <i>European Journal of Wood and Wood Products</i> , 2010, 68, 303-313.	2.9	95
29	Reply to: "Additional remarks related with the discussion inaugurated by the article "Incompatibility of the Shuttleworth equation with Hermann's mathematical structure of thermodynamics" by D. J. Bottomley et al. [ <i>Surf. Sci.</i> 603 (2009) 97]". <i>Surface Science</i> , 2010, 604, 2066-2068.	1.9	6
30	The relationship between chord length and rime icing on wind turbines. <i>Wind Energy</i> , 2010, 13, 627-632.	4.2	24
31	Simulating wet snow loads on power line cables by a simple model. <i>Cold Regions Science and Technology</i> , 2010, 61, 73-81.	3.5	49
32	Incompatibility of the Shuttleworth equation with Hermann's mathematical structure of thermodynamics. <i>Surface Science</i> , 2009, 603, 97-101.	1.9	40
33	Reply to: "Comment by H. Ibach on: Incompatibility of the Shuttleworth equation with Hermann's mathematical structure of thermodynamics" [ <i>Surf. Sci.</i> 603 (2009) 97]. <i>Surface Science</i> , 2009, 603, 2356-2357.	1.9	12
34	Reply to: "Comment by J.E. Eriksson and A.I. Rusanov on: Incompatibility of the Shuttleworth equation with Hermann's mathematical structure of thermodynamics" [ <i>Surf. Sci.</i> 603 (2009) 97]. <i>Surface Science</i> , 2009, 603, 2350-2351.	1.9	9
35	Problems in the extreme value analysis. <i>Structural Safety</i> , 2008, 30, 405-419.	5.3	68
36	Bringing Closure to the Plotting Position Controversy. <i>Communications in Statistics - Theory and Methods</i> , 2008, 37, 460-467.	1.0	58

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37	Plotting Positions in Extreme Value Analysis. <i>Journal of Applied Meteorology and Climatology</i> , 2006, 45, 334-340.	1.5	143
38	Humidity Measurements in Cold and Humid Environments. <i>Boundary-Layer Meteorology</i> , 2005, 116, 131-147.	2.3	26
39	The Gibbs-Thomson Equation and the Solid-Liquid Interface. <i>Langmuir</i> , 2002, 18, 1445-1448.	3.5	15
40	Modelling and Prevention of Ice Accretion on Wind Turbines. <i>Wind Engineering</i> , 2001, 25, 3-21.	1.9	139
41	The role of friction in the measurement of slipperiness, Part 2: Survey of friction measurement devices. <i>Ergonomics</i> , 2001, 44, 1233-1261.	2.1	136
42	Anemometry in Icing Conditions. <i>Journal of Atmospheric and Oceanic Technology</i> , 2001, 18, 1457-1469.	1.3	34
43	The role of friction in the measurement of slipperiness, Part 1: Friction mechanisms and definition of test conditions. <i>Ergonomics</i> , 2001, 44, 1217-1232.	2.1	159
44	Spacing in solidification of dendritic arrays. <i>Journal of Crystal Growth</i> , 2000, 208, 772-778.	1.5	19
45	Models for the growth of rime, glaze, icicles and wet snow on structures. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2000, 358, 2913-2939.	3.4	247
46	On the Methods To Determine Surface Energies. <i>Langmuir</i> , 2000, 16, 7669-7672.	3.5	36
47	Modeling power line icing in freezing precipitation. <i>Atmospheric Research</i> , 1998, 46, 131-142.	4.1	123
48	Ice Loads on a Lattice Tower Estimated by Weather Station Data. <i>Journal of Applied Meteorology and Climatology</i> , 1998, 37, 523-529.	1.7	31
49	Small-scale experiments on rime icing. <i>Cold Regions Science and Technology</i> , 1997, 25, 173-182.	3.5	13
50	Surface Melting of Ice. <i>Journal of Physical Chemistry B</i> , 1997, 101, 6196-6200.	2.6	87
51	Comments on "A Method for Rescaling Humidity Sensors at Temperatures Well below Freezing". <i>Journal of Atmospheric and Oceanic Technology</i> , 1996, 13, 911-912.	1.3	11
52	Climatic mapping of ice loads based on airport weather observations. <i>Atmospheric Research</i> , 1995, 36, 185-193.	4.1	29
53	Application of a new friction theory to ice and snow. <i>Annals of Glaciology</i> , 1994, 19, 155-157.	1.4	10
54	Spacing of icicles. <i>Cold Regions Science and Technology</i> , 1993, 21, 317-322.	3.5	21

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55	Analysis of Rotating Multicylinder Data in Measuring Cloud-Droplet Size and Liquid Water Content. Journal of Atmospheric and Oceanic Technology, 1992, 9, 258-263.	1.3	34
56	Comments on "Prediction of Vessel Icing for Near-Freezing Sea Temperatures". Weather and Forecasting, 1991, 6, 565-567.	1.4	9
57	Estimation of wet snow accretion on structures. Cold Regions Science and Technology, 1989, 17, 83-88.	3.5	56
58	On the Median Volume Diameter Approximation for Droplet Collision Efficiency. Journals of the Atmospheric Sciences, 1988, 45, 4008-4012.	1.7	57
59	A Model of Icicle Growth. Journal of Glaciology, 1988, 34, 64-70.	2.2	7
60	Experiments on the Cloud Droplet Collision Efficiency of Cylinders. Journal of Climate and Applied Meteorology, 1987, 26, 1406-1411.	1.0	28
61	Salinity and growth rate of ice formed by sea spray. Cold Regions Science and Technology, 1987, 14, 163-171.	3.5	61
62	Heat transfer and icing of a rough cylinder. Cold Regions Science and Technology, 1985, 10, 105-116.	3.5	76
63	Modeling of Ice Accretion on Wires. Journal of Climate and Applied Meteorology, 1984, 23, 929-939.	1.0	158