

# Kouichi Nishimura

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

777  
citations

430442

18  
h-index

525886

27  
g-index

44  
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44  
docs citations

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times ranked

894  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence of Strong Flux Underestimation by Bulk Parametrizations During Drifting and Blowing Snow. <i>Boundary-Layer Meteorology</i> , 2022, 182, 119-146.	1.2	12
2	Hysteresis and Surface Shear Stresses During Snow-Particle Aeolian Transportation. <i>Boundary-Layer Meteorology</i> , 2022, 183, 447-467.	1.2	2
3	Calculation of snowdrift distribution over complex topography to improve the accuracy of snow avalanche warning systems. <i>Scientific Online Letters on the Atmosphere</i> , 2022, , .	0.6	0
4	Relation between mean and instantaneous values of snow-drift flux under drifting snow. <i>Journal of the Japanese Society of Snow and Ice</i> , 2022, 84, 213-227.	0.0	0
5	Perspectives on Snow Avalanche Dynamics Research. <i>Geosciences (Switzerland)</i> , 2021, 11, 57.	1.0	3
6	Application of an Inertia Dependent Flow Friction Model to Snow Avalanches: Exploration of the Model Using a Ping-Pong Ball Experiment. <i>Geosciences (Switzerland)</i> , 2020, 10, 436.	1.0	1
7	First direct observation of sea salt aerosol production from blowing snow above sea ice. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 2549-2578.	1.9	61
8	A Simple Snow-Cover Model for Avalanche Warning in Japan. <i>Scientific Online Letters on the Atmosphere</i> , 2020, 16, 246-251.	0.6	1
9	Sea salt aerosol production via sublimating wind-blown saline snow particles over sea ice: parameterizations and relevant microphysical mechanisms. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 8407-8424.	1.9	33
10	Seismic location and tracking of snow avalanches and slush flows on Mt.ÂFuji, Japan. <i>Earth Surface Dynamics</i> , 2019, 7, 989-1007.	1.0	17
11	A meteorological and blowing snow data set (2000â€“2016) from a high-elevation alpine site (Col du Lac) Tj ETQq1,1 0.784314 rgBT 3.7 18	1.1	18
12	Development of a large-eddy simulation coupled with Lagrangian snow transport model. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018, 183, 35-43.	1.7	24
13	Measurement of snow particle size and velocity in avalanche powder clouds. <i>Journal of Glaciology</i> , 2017, 63, 249-257.	1.1	6
14	How do Stability Corrections Perform in the Stable Boundary Layer Over Snow?. <i>Boundary-Layer Meteorology</i> , 2017, 165, 161-180.	1.2	27
15	Spatiotemporal Structure of Aeolian Particle Transport on Flat Surface. <i>Journal of the Physical Society of Japan</i> , 2017, 86, 054402.	0.7	5
16	Anomalous winter-snow-amplified earthquake-induced disaster of the 2015 Langtang avalanche in Nepal. <i>Natural Hazards and Earth System Sciences</i> , 2017, 17, 749-764.	1.5	35
17	Wavelet phase analysis of two velocity components to infer the structure of interscale transfers in a turbulent boundary-layer. <i>Fluid Dynamics Research</i> , 2016, 48, 021406.	0.6	0
18	Detection of snowfall occurrence during blowing snow events using photoelectric sensors. <i>Cold Regions Science and Technology</i> , 2014, 106-107, 11-21.	1.6	23

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19	Snow particle speeds in drifting snow. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 9901-9913.	1.2	35
20	Two phase simulations of glacier lake outburst flows. <i>Journal of Computational Science</i> , 2013, 4, 71-79.	1.5	16
21	Study of unusual atmospheric icing at Mount Zao, Japan, using the Weather Research and Forecasting model. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	11
22	Glacial lake inventory of Bhutan using ALOS data: methods and preliminary results. <i>Annals of Glaciology</i> , 2011, 52, 65-71.	2.8	42
23	Wind and drifting-snow gust factor in an Alpine context. <i>Annals of Glaciology</i> , 2011, 52, 223-230.	2.8	19
24	Development of glacial lake inventory in Bhutan using &#x201C;Daichi&#x201D; (ALOS). , 2011, , .		2
25	Earthquake-induced snow avalanches: I. Historical case studies. <i>Journal of Glaciology</i> , 2010, 56, 431-446.	1.1	29
26	Earthquake-induced snow avalanches: II. Experimental study. <i>Journal of Glaciology</i> , 2010, 56, 447-458.	1.1	19
27	Avalanche forecasting in a heavy snowfall area using the snowpack model. <i>Cold Regions Science and Technology</i> , 2008, 51, 191-203.	1.6	42
28	Snow Entrainment Coefficient Estimated by Field Observations and Wind Tunnel Experiments. <i>Journal of Cold Regions Engineering - ASCE</i> , 2005, 19, 117-129.	0.5	2
29	Blowing snow at Mizuho station, Antarctica. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2005, 363, 1647-1662.	1.6	85
30	Application of the snow cover model SNOWPACK to snow avalanche warning in Niseko, Japan. <i>Cold Regions Science and Technology</i> , 2005, 43, 62-70.	1.6	23
31	Numerical study of the time development of drifting snow and its relation to the spatial development. <i>Annals of Glaciology</i> , 2004, 38, 343-350.	2.8	7
32	SNOWPACK model simulations for snow in Hokkaido, Japan. <i>Annals of Glaciology</i> , 2004, 38, 123-129.	2.8	24
33	Three-dimensional snow images by MR microscopy. <i>Magnetic Resonance Imaging</i> , 2003, 21, 351-354.	1.0	9
34	Three-dimensional MR microscopy of snowpack structures. <i>Cold Regions Science and Technology</i> , 2003, 37, 385-391.	1.6	8
35	Drag Forces and Ping-Pong Ball Avalanches.. <i>Journal of the Japanese Society of Snow and Ice</i> , 2003, 65, 117-125.	0.0	2
36	Measurements of snow mass flux and transport rate at different particle diameters in drifting snow. <i>Cold Regions Science and Technology</i> , 1998, 27, 83-89.	1.6	54

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37	Measurements of the velocity distribution in ping-pong-ball avalanches. <i>Annals of Glaciology</i> , 1998, 26, 259-264.	2.8	13
38	Viscosity of fluidized snow. <i>Cold Regions Science and Technology</i> , 1996, 24, 117-127.	1.6	11
39	Structures of Cold Air During the Development of a Broad Band Cloud and a Meso- $\beta$ -scale Vortex : Simultaneous Two-Point Radiosonde Observations. <i>Journal of the Meteorological Society of Japan</i> , 1996, 74, 281-297.	0.7	16
40	Snow ripples and their contribution to the mass transport in drifting snow. <i>Boundary-Layer Meteorology</i> , 1992, 59, 59-66.	1.2	20
41	A wind-tunnel experiment on the formation of snow ripples.. <i>Journal of the Japanese Society of Snow and Ice</i> , 1992, 54, 27-34.	0.0	1
42	Fluidization of snow. <i>Cold Regions Science and Technology</i> , 1979, 1, 109-120.	1.6	15