

# Andrew G Slater

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

6,861  
citations

168829

31  
h-index

425179

34  
g-index

35  
all docs

35  
docs citations

35  
times ranked

9710  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Community Land Model Version 5: Description of New Features, Benchmarking, and Impact of Forcing Uncertainty. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 4245-4287.	1.3	692
2	Improving the Representation of Polar Snow and Firn in the Community Earth System Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 2583-2600.	1.3	78
3	Process-level model evaluation: a snow and heat transfer metric. <i>Cryosphere</i> , 2017, 11, 989-996.	1.5	34
4	Surface Solar Radiation in North America: A Comparison of Observations, Reanalyses, Satellite, and Derived Products*. <i>Journal of Hydrometeorology</i> , 2016, 17, 401-420.	0.7	42
5	Hydrologic Implications of Different Large-Scale Meteorological Model Forcing Datasets in Mountainous Regions. <i>Journal of Hydrometeorology</i> , 2014, 15, 474-488.	0.7	51
6	Effects of excess ground ice on projections of permafrost in a warming climate. <i>Environmental Research Letters</i> , 2014, 9, 124006.	2.2	71
7	Inference and uncertainty of snow depth spatial distribution at the kilometre scale in the Colorado Rocky Mountains: the effects of sample size, random sampling, predictor quality, and validation procedures. <i>Hydrological Processes</i> , 2014, 28, 933-957.	1.1	19
8	Uncertainty in seasonal snow reconstruction: Relative impacts of model forcing and image availability. <i>Advances in Water Resources</i> , 2013, 55, 165-177.	1.7	52
9	Diagnosing Present and Future Permafrost from Climate Models. <i>Journal of Climate</i> , 2013, 26, 5608-5623.	1.2	258
10	Simulation of Present-Day and Future Permafrost and Seasonally Frozen Ground Conditions in CCSM4. <i>Journal of Climate</i> , 2012, 25, 2207-2225.	1.2	207
11	Recent surface temperature trends in the interior of East Antarctica from borehole firn temperature measurements and geophysical inverse methods. <i>Geophysical Research Letters</i> , 2011, 38, .	1.5	27
12	Parameterization improvements and functional and structural advances in Version 4 of the Community Land Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2011, 3, .	1.3	666
13	Parameterization improvements and functional and structural advances in Version 4 of the Community Land Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2011, 3, n/a-n/a.	1.3	367
14	Representing spatial variability of snow water equivalent in hydrologic and land-surface models: A review. <i>Water Resources Research</i> , 2011, 47, .	1.7	275
15	Development and Testing of Polar WRF. Part III: Arctic Land*. <i>Journal of Climate</i> , 2011, 24, 26-48.	1.2	121
16	The contribution of snow condition trends to future ground climate. <i>Climate Dynamics</i> , 2010, 34, 969-981.	1.7	172
17	Arctic System Reanalysis: Call for Community Involvement. <i>Eos</i> , 2010, 91, 13.	0.1	57
18	Improving simulated soil temperatures and soil freeze/thaw at high-latitude regions in the Simple Biosphere/Carnegie-Ames-Stanford Approach model. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	59

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19	Incorporating organic soil into a global climate model. <i>Climate Dynamics</i> , 2008, 30, 145-160.	1.7	306
20	Hydrological data assimilation with the ensemble Kalman filter: Use of streamflow observations to update states in a distributed hydrological model. <i>Advances in Water Resources</i> , 2008, 31, 1309-1324.	1.7	395
21	Sensitivity of a model projection of near-surface permafrost degradation to soil column depth and representation of soil organic matter. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	239
22	Framework for Understanding Structural Errors (FUSE): A modular framework to diagnose differences between hydrological models. <i>Water Resources Research</i> , 2008, 44, .	1.7	461
23	Accelerated Arctic land warming and permafrost degradation during rapid sea ice loss. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	195
24	Variability and Change in the Atmospheric Branch of the Arctic Hydrologic Cycle. , 2008, , 343-362.		7
25	The large-scale energy budget of the Arctic. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	212
26	The large-scale freshwater cycle of the Arctic. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	478
27	Reply to comment by C. R. Burn and F. E. Nelson on "A projection of near-surface permafrost degradation during the 21st century". <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	10
28	Snow Data Assimilation via an Ensemble Kalman Filter. <i>Journal of Hydrometeorology</i> , 2006, 7, 478-493.	0.7	195
29	Probabilistic Quantitative Precipitation Estimation in Complex Terrain. <i>Journal of Hydrometeorology</i> , 2006, 7, 3-22.	0.7	159
30	Assimilation of snow covered area information into hydrologic and land-surface models. <i>Advances in Water Resources</i> , 2006, 29, 1209-1221.	1.7	197
31	A projection of severe near-surface permafrost degradation during the 21st century. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	370
32	Effects of Frozen Soil on Soil Temperature, Spring Infiltration, and Runoff: Results from the PILPS 2(d) Experiment at Valdai, Russia. <i>Journal of Hydrometeorology</i> , 2003, 4, 334-351.	0.7	150
33	Impact of Arctic treeline on synoptic climate. <i>Geophysical Research Letters</i> , 2001, 28, 4247-4250.	1.5	41
34	The Alaskan Arctic Frontal Zone: Forcing by Orography, Coastal Contrast, and the Boreal Forest. <i>Journal of Climate</i> , 2001, 14, 4351-4362.	1.2	50
35	Simulations of a Boreal Grassland Hydrology at Valdai, Russia: PILPS Phase 2(d). <i>Monthly Weather Review</i> , 2000, 128, 301-321.	0.5	148