Edward H Bair

List of Publications by Year
in descending order

21 papers	633 citations	623734 14 h-index	752698 20 g-index
47 all docs	47 docs citations	47 times ranked	765 citing authors

#	Article	IF	Citations
1	Divergence of apparent and intrinsic snow albedo over a season at a sub-alpine site with implications for remote sensing. Cryosphere, 2022, 16, 1765-1778.	3.9	7
2	Snow Albedo Feedbacks Enhance Snow Impurity–Induced Radiative Forcing in the Sierra Nevada. Geophysical Research Letters, 2022, 49, .	4.0	11
3	Snow Property Inversion From Remote Sensing (SPIReS): A Generalized Multispectral Unmixing Approach With Examples From MODIS and Landsat 8 OLI. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 7270-7284.	6.3	29
4	COVID-19 lockdowns show reduced pollution on snow and ice in the Indus River Basin. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	16
5	Evaluation of VIIRS and MODIS Snow Cover Fraction in High-Mountain Asia Using Landsat 8 OLI. Frontiers in Remote Sensing, 2021, 2, .	3.5	16
6	Multi-sensor fusion using random forests for daily fractional snow cover at 30 m. Remote Sensing of Environment, 2021, 264, 112608.	11.0	29
7	Passive Microwave Brightness Temperature Assimilation to Improve Snow Mass Estimation Across Complex Terrain in Pakistan, Afghanistan, and Tajikistan. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 8849-8863.	4.9	0
8	Comparison of modeled snow properties in Afghanistan, Pakistan, and Tajikistan. Cryosphere, 2020, 14, 331-347.	3.9	14
9	An Examination of Snow Albedo Estimates From MODIS and Their Impact on Snow Water Equivalent Reconstruction. Water Resources Research, 2019, 55, 7826-7842.	4.2	39
10	A K_{u}-Band CMOS FMCW Radar Transceiver for Snowpack Remote Sensing. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 2480-2494.	4.6	17
11	Survival analysis: Informing recovery of Sierra Nevada bighorn sheep. Journal of Wildlife Management, 2018, 82, 1442-1458.	1.8	22
12	Using machine learning for real-time estimates of snow water equivalent in the watersheds of Afghanistan. Cryosphere, 2018, 12, 1579-1594.	3.9	65
13	Hourly mass and snow energy balance measurements from Mammoth Mountain, CA USA, 2011–2017. Earth System Science Data, 2018, 10, 549-563.	9.9	22
14	Estimating the spatial distribution of snow water equivalent in the world's mountains. Wiley Interdisciplinary Reviews: Water, 2016, 3, 461-474.	6.5	152
15	Validating reconstruction of snow water equivalent in California's Sierra Nevada using measurements from the NASA Airborne Snow Observatory. Water Resources Research, 2016, 52, 8437-8460.	4.2	67
16	Spatial estimates of snow water equivalent from reconstruction. Advances in Water Resources, 2016, 94, 345-363.	3.8	62
17	CUES—a study site for measuring snowpack energy balance in the Sierra Nevada. Frontiers in Earth Science, 2015, 3, .	1.8	13
18	Using 2 m Extended Column Tests to assess slope stability. Cold Regions Science and Technology, 2015, 120, 191-196.	3.5	1

#	Article	IF	Citations
19	The influence of edge effects on crack propagation in snow stability tests. Cryosphere, 2014, 8, 1407-1418.	3.9	18
20	Forecasting artificially-triggered avalanches in storm snow at a large ski area. Cold Regions Science and Technology, 2013, 85, 261-269.	3.5	9
21	A field study on failure of storm snow slab avalanches. Cold Regions Science and Technology, 2012, 79-80, 20-28.	3.5	20