# Edward H Bair

List of Publications by Year
in descending order

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

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Estimating the spatial distribution of snow water equivalent in the world's mountains. Wiley Interdisciplinary Reviews: Water, 2016, 3, 461-474. | 6.5 | 152 |
| 2 | Validating reconstruction of snow water equivalent in <scp>C</scp>alifornia's <scp>S</scp>ierra <scp>N</scp>evada using measurements from the <scp>NASA</scp> <scp>A</scp>irborne <scp>S</scp>now <scp>O</scp>bservatory. Water Resources Research, 2016, 52, 8437-8460. | 4.2 | 67 |
| 3 | Using machine learning for real-time estimates of snow water equivalent in the watersheds of Afghanistan. Cryosphere, 2018, 12, 1579-1594. | 3.9 | 65 |
| 4 | Spatial estimates of snow water equivalent from reconstruction. Advances in Water Resources, 2016, 94, 345-363. | 3.8 | 62 |
| 5 | 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 |
| 6 | 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 |
| 7 | Multi-sensor fusion using random forests for daily fractional snow cover at 30 m. Remote Sensing of Environment, 2021, 264, 112608. | 11.0 | 29 |
| 8 | Survival analysis: Informing recovery of Sierra Nevada bighorn sheep. Journal of Wildlife Management, 2018, 82, 1442-1458. | 1.8 | 22 |
| 9 | 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 |
| 10 | A field study on failure of storm snow slab avalanches. Cold Regions Science and Technology, 2012, 79-80, 20-28. | 3.5 | 20 |
| 11 | The influence of edge effects on crack propagation in snow stability tests. Cryosphere, 2014, 8, 1407-1418. | 3.9 | 18 |
| 12 | A &lt;inline-formula&gt; &lt;tex-math notation="LaTeX"&gt;$K_{{u}}$ &lt;/tex-math&gt; &lt;/inline-formula&gt;-Band CMOS FMCW Radar Transceiver for Snowpack Remote Sensing. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 2480-2494. | 4.6 | 17 |
| 13 | 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 |
| 14 | 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 |
| 15 | Comparison of modeled snow properties in Afghanistan, Pakistan, and Tajikistan. Cryosphere, 2020, 14, 331-347. | 3.9 | 14 |
| 16 | CUES—a study site for measuring snowpack energy balance in the Sierra Nevada. Frontiers in Earth Science, 2015, 3, . | 1.8 | 13 |
| 17 | Snow Albedo Feedbacks Enhance Snow Impurity–Induced Radiative Forcing in the Sierra Nevada. Geophysical Research Letters, 2022, 49, . | 4.0 | 11 |
| 18 | Forecasting artificially-triggered avalanches in storm snow at a large ski area. Cold Regions Science and Technology, 2013, 85, 261-269. | 3.5 | 9 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | 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 |
| 20 | Using 2 m Extended Column Tests to assess slope stability. Cold Regions Science and Technology, 2015, 120, 191-196. | 3.5 | 1 |
| 21 | 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 |