Journal publications using NCALM lidar data, by PIs and graduate students, have grown rapidly since NCALM’s inception in 2003. Seven hundred sixty-eight (768) journal papers, conference papers, book chapters, and theses have been published between 2005 and December 6, 2019. The figure below shows the publications for each year:

2005
2006

2007


2008


2009


2010


11. Foster, M.A. and H.M. Harvey (2010), Knickpoints in tributaries of the South Fork Eel River, Northern California, Master of Science thesis, Humboldt State University. (NCALM-2009-07*)


2011


2012


(NCALM-2010-08*)

(NCALM-2005-08)

(NCALM-2005-08)

(NCALM-2010-12*)

2013

(NCALM-2006-05**)

(NCALM-2010-03)

(NCALM-2007-10*, NCALM-2009-02)

(NCALM-General)

(NCALM-2007-07*)

(NCALM-2011-01)

(NCALM-2005-09*)

(NCALM-2005-09*, NCALM-2007-01, NCALM-2010-07, NCALM-2010-16, NCALM-2012-13)


32. Swetnam, T.L. (2013), Cordilleran forest scaling dynamics and disturbance regimes quantified by aerial lidar, Ph.D. dissertation, University of Arizona, 278p. (NCALM-2010-03)


2014


24. He, L., V.Y. Ivanov, G. Bohrer, K.D. Maurer, C.S. Vogel, and M. Moghaddam (2014), Effects of fine-scale soil moisture and canopy heterogeneity on energy and water fluxes in a northern temperate mixed forest, Agricultural and Forest Meteorology, 184, 243-256. (NCALM-2009-04*)


41. Maurer, K.D., G. Bohrer, and V.Y. Ivanov (2014), Large Eddy Simulations of Surface Roughness Parameter Sensitivity to Canopy-structure Characteristics, Biogeosciences Discuss., 11, 16349-16389. (NCALM-2009-04*)


2015


10.1016/j.isprsjprs.2014.11.005.
(NCALM-General)

10.1016/j.isprsjprs.2015.05.012.
(NCALM-General)

67. Wood, C.M. and B.R. Cox (2015), Experimental Data Set of Mining-Induced Seismicity for Studies of Full-Scale
(NCALM-2010-09*)

Climatic and Landscape Controls on Water Transit Times and Silicate Mineral Weathering in the Critical Zone,
(NCALM-2010-03)

Partitioning, Vegetation Structure and Vegetation Greening in High-elevation Catchments in Northern New
(NCALM-2010-03)

Anisotropic Iterative Closest Point Algorithm, IEEE Journal of Selected Topics in Applied Earth Observations and
(NCALM-2010-16)

(NCALM-General)

72. Zhang, Y., H.L. Yang, S. Prasad, E. Pasolli, J. Jung, and M. Crawford (2015), Ensemble Multiple Kernel Active
Learning for Classification of Multisource Remote Sensing Data, IEEE Journal of Selected Topics in Applied Earth
Observations and Remote Sensing, 8(2), 845-858.
(NCALM-General)

73. Zheng, Z., P.B. Kirchner, and R.C. Bales (2015), Orographic and Vegetation Effects on Snow Accumulation in the
Southern Sierra Nevada: A Statistical Summary from LiDAR Data, The Cryosphere Discuss., 9, 4377-4405, doi:
(NCALM-2010-03)

to Determine Height Changes in Earthquakes: A Case Study for the El Mayor-Cucapah Epicentral Area, Journal of
(NCALM-2010-16)

75. Zielke, O., Y. Klinger, and J.R. Arrowsmith (2015), Fault Slip and Earthquake Recurrence along Strike-Slip Faults
Contributions of High-resolution Geomorphic Data, Tectonophysics, 638, 43-62, doi:
10.1016/j.tecto.2014.11.004.
(NCALM-2005-08)

Hatem (2015), Evolution and Progressive Geomorphic Manifestation of Surface Faulting: A Comparison of the
(NCALM-2014-01)
2016


Newly Added (June 1, 2016–December 8, 2016)


Newly Added (Since December 8, 2016)

84. Carvajal IV, P. (2016), The Settlement Patterns at Las Cuevas, Belize during the Late Classic Period, University of California, Merced, Doctoral Dissertation. (NCALM-General)


87. Humagain, K. (2016), Ecological Variation among Vegetation Cover Types and Forest Stand Dynamics in the South-West Jemez Mountains, New Mexico, Texas Tech University, Doctoral Dissertation. (NCALM-2010-03)


   (NCALM-General)
93. Murphy, B.P. (2016), Feedbacks among Chemical Weathering, Rock Strength and Erosion with Implications for the Climatic Control of Bedrock River Incision, University of Texas at Austin, Doctoral Dissertation.
   (NCALM-2013-01*)
   (NCALM-2014-03)
   (NCALM-2005-08)
   (NCALM-2007-07*)

2017

   (NCALM-General)
   (NCALM-General)
   (NCALM-General)
   (NCALM-2014-04)
   (NCALM-2007-07*)
   (NCALM-2003-02)
   (NCALM-2010-01*, NCALM-2010-11)
   (NCALM-General)


**Newly Added (May 5, 2017–December 5, 2017)**


59. Gabriel, K. (2017), Late Pleistocene Slip Rate for the Western Pinto Mountain Fault, Morongo Valley, Southern California, Master Thesis, California State University at Northridge, doi: http://hdl.handle.net/10211.3/195491. (NCALM-2016-02*)


70. Li, X., W. Huang, I. Pierce, S. Angster, and S. Wesnousky (2017), Characterizing the Quaternary Expression of ActiveFaulting along the Olinghouse, Carson, and Wabuska Lineaments of the Walker Lane, Geosphere, 13(6), 2119-2136, doi: 10.1130/GES01483.1. (NCALM-2015-05)
74. Lu, X., J. Zhang, T. Li, and Y. Zhang (2017), Hyperspectral Image Classification Based on Semi-Supervised Rotation Forest, Remote Sensing, 9(9), 924, doi: 10.3390/rs9090924. (NCALM-General)
(NCALM-General)
(NCALM-General)
(NCALM-2007-07*)
(NCALM-General)
(NCALM-General)
(NCALM-General)
(NCALM-General)
(NCALM-2011-01)
(NCALM-General)
(NCALM-2005-08, NCALM-2007-01)
(NCALM-2005-13)
(NCALM-General)
(NCALM-General)

**Newly Added (Since December 5, 2017)**


### 2018


Newly Added (Since February 9, 2018–May 31, 2018)


Newly Added (Since May 31, 2018–December 6, 2018)


68. Hua, Y., L. Mou, and X. Zhu (2018), Recurrently Exploring Class-wise Attention in a Hybrid Convolutional and Bidirectional LSTM Network for Multi-label Aerial Image Classification, CoRR, abs/1807.11245. (NCALM-General)


78. Lajoie, L., K. Johnson, and E. Nissen (2018), Shallow Slip and Fault Geometry of the 2010 El Mayor-Cucapah (Mexico) Earthquake from Differential Lidar, 9th International INQUA Meeting on Paleoseismology, Active Tectonics and Archeoseismology (PATA), 130-133. (NCALM-2010-16)


Newly Added (Since December 6, 2018)


111. Quinn, C. (2018), Soil Storage on Steep Forested and Non-forested Mountain Hillslopes in the Bitterroot Mountains, Montana, Master’s Thesis, Montana State University, https://scholarworks.montana.edu/xmlui/handle/1/14614. (NCALM-2016-04*)


2019


20. Handwerger, A., M. Huang, E. Fielding, A. Booth, and R. Burgmann (2019), A Shift from Drought to Extreme Rainfall Drives a Stable Landslide to Catastrophic Failure, Scientific Reports, 9, 1569, doi: 10.1038/s41598-018-38300-0. (NCALM-General)


(NCALM-General)
(NCALM-2009-02)
(NCALM-General)
(NCALM-2008-07)
(NCALM-2006-01)
(NCALM-General)
(NCALM-2009-02)
(NCALM-2007-01)
(NCALM-2006-04)
(NCALM-2016-04*)
(NCALM-General)
(NCALM-General)
(NCALM-General)
(NCALM-2008-04, NCALM-2014-12*)
(NCALM-General)

Newly Added (Since June 10, 2019–December 6, 2019)

(NCALM-2010-03)

(NCALM-2015-05)

(NCALM-General)

(NCALM-2017-03*)

(NCALM-2008-11*)

(NCALM-General)

(NCALM-2014-04, NCALM-2016-01)

(NCALM-2014-11*)

(NCALM-2008-03*)

(NCALM-General)

(NCALM-General)


