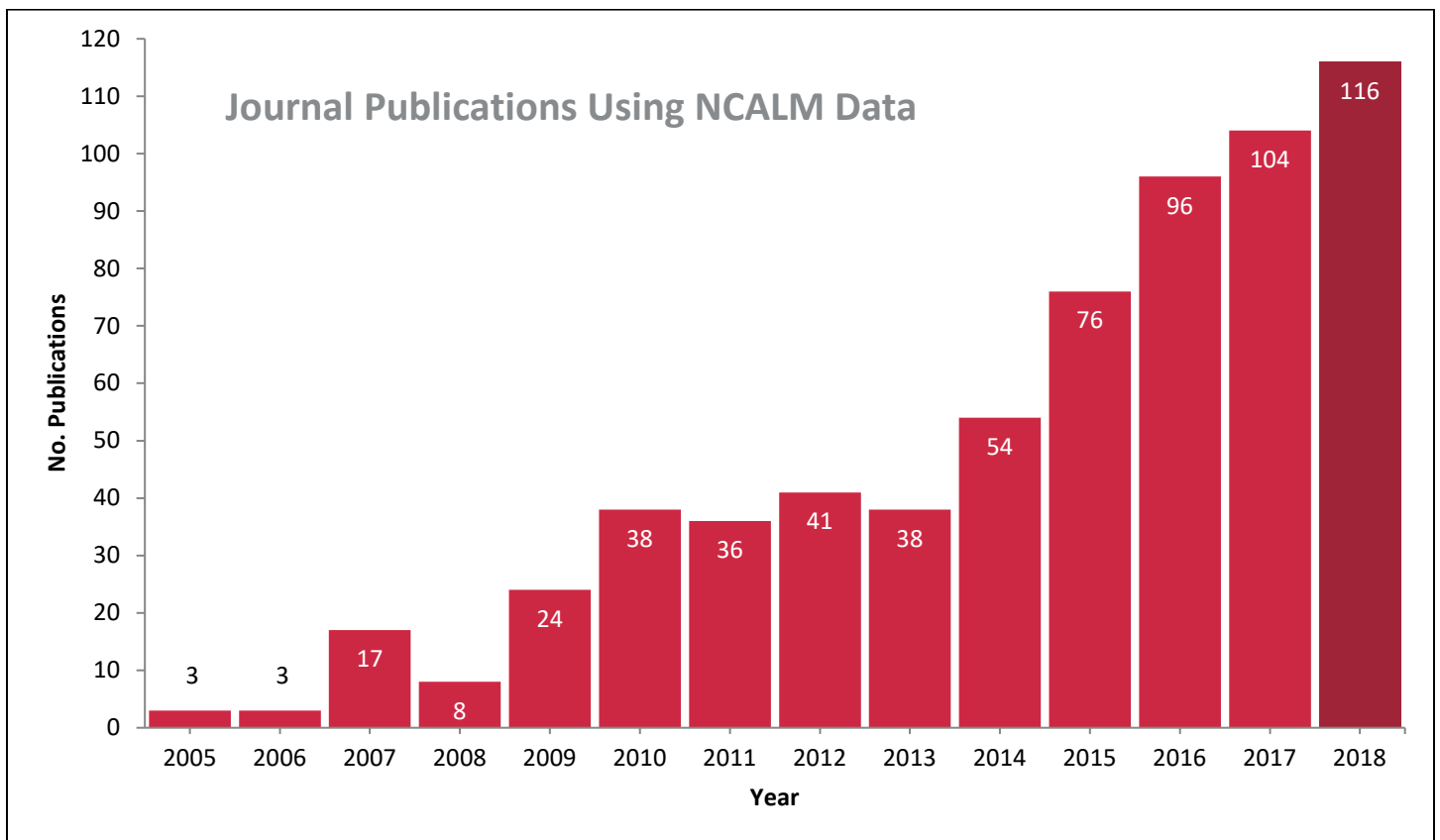




Journal Publications Using NCALM Data

Journal publications using NCALM lidar data, by PIs and graduate students, have grown rapidly since NCALM’s inception in 2003. Six hundred fifty-four (654) journal papers, conference papers, book chapters, and theses have been published between 2005 and February 4, 2019. The figure below shows the publications for each year:



2005

1. Dubayah, R., B. Peterson, J. Rhoads, and W.E. Dietrich (2005), Characterizing forest canopy structure and ground topography for hydrological analysis using lidar remote sensing, in M. Anderson (ed) Encyclopedia of Hydrological Sciences, John Wiley and Sons, 2, 875-886. doi: 10.1002/0470848944.hsa058. (NCALM-General)
2. Power, M.E., N. Brozovic, C. Bode, and D. Zilberman (2005), Spatially explicit tools for understanding and sustaining inland water ecosystems, *Frontiers in Ecology and the Environment*, 3, 47-55. doi: 10.1890/1540-9295(2005)003[0047:SETFUA]2.0.CO;2. (NCALM-2004-01)

3. Shrestha, R.L., W.E. Carter, M. Sartori, B.J. Luzum, and K.C. Slatton (2005), Airborne laser swath mapping; quantifying changes in sandy beaches over time scales of weeks to years; remote sensing and geospatial information for natural hazards characterization. *ISPRS Journal of Photogrammetry and Remote Sensing*, 59(4), 222-32. doi: 10.1016/j.isprsjprs.2005.02.009.
(NCALM-General)

2006

1. Dietrich, W.E. and T. Perron (2006), The search for a topographic signature of life, *Nature*, 439, 411-419. doi: 10.1038/nature04452.
(NCALM-2004-01)
2. Staley, D.M., T.A. Wasklewicz, and J.S. Blaszczynski (2006), Surficial patterns of debris flow deposition on alluvial fans in Death Valley, CA, using airborne laser swath mapping data, *Geomorphology*, 74(1-4), 152-63.
(NCALM-General)
3. Toth, C., D. Grenjner-Brzezinska, and M. Bevis (2006), High-resolution airborne lidar/CCD mapping of San Andreas Fault, 3rd IAG / 12th FIG Symposium, Baden, May 22-24.
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2007

1. Barnes, E.A., M.E. Power, E. Foufoula-Georgiou, M. Hondzo, and W.E. Dietrich (2007), Upscaling river biomass using dimensional analysis and hydrogeomorphic scaling, *Geophys. Res. Lett.*, 34, L24S26. doi: 10.1029/2007GL031931.
(NCALM-2004-01)
2. Carter, W.E., R.L. Shrestha, and K.C. Slatton (2007), Geodetic laser scanning, *Physics Today*, 41-47.
(NCALM-2006-05**)
3. Frankel, K.L., J.F. Dolan, R.C. Finkel, L.A. Owen, and J.S. Hoefft (2007), Spatial variations in slip rate along the Death Valley-Fish Lake Valley fault system determined from LiDAR topographic data and cosmogenic Be-10 geochronology, *Geophys. Res. Lett.*, 34, L18303. doi: 10.1029/2007GL030549.
(NCALM-2005-06*)
4. Frankel, K.L., K.S. Brantley, J.F. Dolan, R.C. Finkel, R.E. Klinger, J.R. Knott, M.N. Machette, L.A. Owen, F.M. Phillips, J.L. Slate, and B.P. Wernicke (2007), Cosmogenic (10)Be and (36)Cl geochronology of offset alluvial fans along the northern Death Valley fault zone: Implications for transient strain in the eastern California shear zone, *J. Geophys. Res. -Solid Earth*, 112, B06407. doi: 10.1029/2006JB004350.
(NCALM-2003-03)
5. Frankel, K.L. and J.F. Dolan (2007), Characterizing arid region alluvial fan surface roughness with airborne laser swath mapping digital topographic data. *Journal of Geophysical Research*, 112(F2). doi: 10.1029/2006JF000644.
(NCALM-2005-06*)
6. Guest, B., N. Niemi, and B. Wernicke (2007), Stateline fault system: A new component of the Miocene-Quaternary Eastern California shear zone, *Geol. Soc. Am. Bull.*, 119, 1337-1346. doi: 10.1130/0016-7606(2007)119[1337:SFSANC]2.0.CO;2.
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7. Lashermes, B., E. Foufoula-Georgiou, and W.E. Dietrich (2007), Channel network extraction from high resolution topography using wavelets, *J. Geophys. Res.*, 34, L23S04. doi: 10.1029/2007GL031140.
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8. Mynatt, I., G.E. Hilley, and D.D. Pollard (2007), Inferring fault characteristics using fold geometry constrained by Airborne Laser Swath Mapping at Raplee Ridge, UT, *Geophysical Research Letters*, 34. doi: 10.1029/2007GL030584.
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9. Oskin, M., A. Iriondo, L. Perg, D. Blumentritt, and S. Mukhopadhyay (2007), Slip rate of the Calico fault: Implications for geologic versus geodetic rate discrepancy in the Eastern California Shear Zone, *Journal of Geophysical Research*, 112. doi: 10.1029/2006JB004451.
(NCALM-2003-03)

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12. Roering, J.J., J.T. Perron, and J.W. Kirchner (2007), Functional relationships between denudation and hillslope form and relief, *Earth and Planetary Science Letters*, 264, 245-258. doi: 10.1016/j.epsl.2007.09.035. (NCALM-General)
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