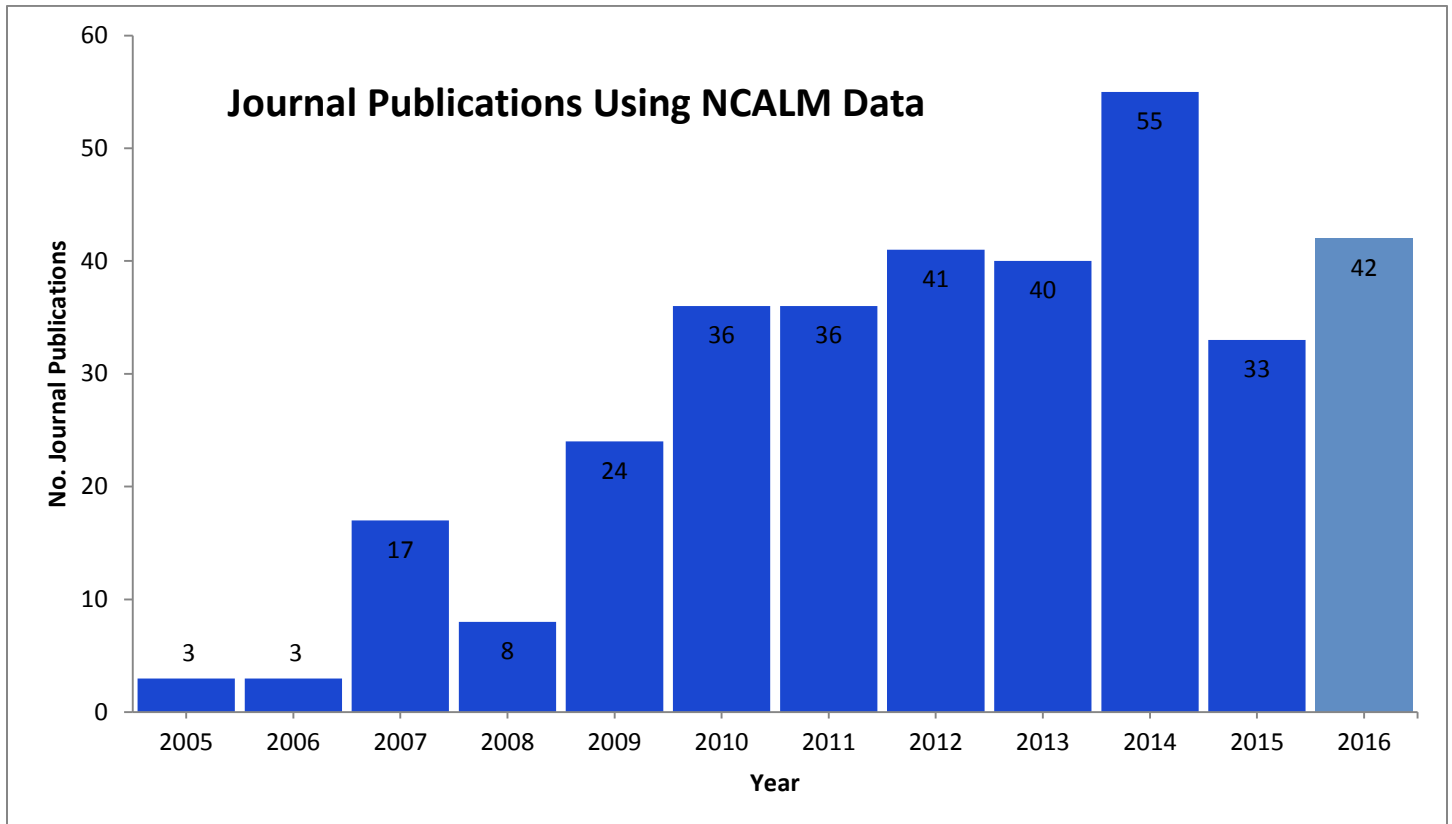


Journal Publications Using NCALM Data

Journal publications using NCALM lidar data, by PIs and graduate students, have grown rapidly since NCALM's inception in 2003. Three hundred thirty-eight (338) journal papers, conference papers, book chapters, and these have been published between 2005 and October 16, 2016. The figure below shows the publications for each year:



2005

1. Dubayah, Ralph, Birgit Peterson, Joshua Rhoads, and William E. Dietrich. "Characterizing Forest Canopy Structure and Ground Topography Using Lidar." in *Encyclopedia of Hydrological Sciences*, edited by Malcolm G. Anderson and Jeffrey J. McDonnell, 875-886. Hoboken: John Wiley and Sons, 2005. doi: [10.1002/0470848944.hsa058](https://doi.org/10.1002/0470848944.hsa058).
(NCALM – General)
2. Power, Mary E., Nicholas Brozović, Collin Bode, and David Zilberman. "Spatially Explicit Tools for Understanding and Sustaining Inland Water Ecosystems." *Frontiers in Ecology and the Environment* 3, no. 1 (February 2005): 47-55. doi: [10.1890/1540-9295\(2005\)003\[0047:SETFUA\]2.0.CO;2](https://doi.org/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. "Airborne Laser Swath Mapping: Quantifying Changes in Sandy Beaches over Time Scales of Weeks to Years." *ISPRS Journal of Photogrammetry and Remote Sensing* 59, no. 4 (June 2005): 222-232. doi: [10.1016/j.isprsjprs.2005.02.009](https://doi.org/10.1016/j.isprsjprs.2005.02.009).
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2006

1. Dietrich, William E., and J. Taylor Perron. "The Search for a Topographic Signature of Life." *Nature* 439, no. 7075 (26 January 2006): 411-419. doi: [10.1038/nature04452](https://doi.org/10.1038/nature04452). (NCALM – 2004-01)
2. Staley, Dennis M., Thad A. Wasklewicz, and Jacek S. Blaszczynski. "Surficial Patterns of Debris Flow Deposition on Alluvial Fans in Death Valley, CA using Airborne Laser Swath Mapping Data." *Geomorphology* 74, no. 1-4 (March 2006): 152-163. doi: [10.1016/j.geomorph.2005.07.014](https://doi.org/10.1016/j.geomorph.2005.07.014). (NCALM – General)
3. Toth, Charles, Dorota A. Grenjner-Brzezinska, and Michael Bevis. "High-Resolution Airborne LiDAR/CCD Mapping of San Andreas Fault." at 3rd IAG Symposium/12th FIG Symposium, Baden, Austria, May 22-24, 2006. (NCALM – 2005-08)

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1. Barnes, Elizabeth A., Mary E. Power, Efi Foufoula-Georgiou, Miki Hondzo, and William E. Dietrich. "Upscaling River Biomass using Dimensional Analysis and Hydrogeomorphic Scaling." *Geophysical Research Letters* 34, no. 24 (December 2007): L24S26. doi: [10.1029/2007GL031931](https://doi.org/10.1029/2007GL031931). (NCALM – 2004-01)
2. Carter, William E., Ramesh L. Shrestha, and K. Clint Slatton. "Geodetic Laser Scanning." *Physics Today*, December 2007. doi: [10.1063/1.2825070](https://doi.org/10.1063/1.2825070). (NCALM – 2006-05**)
3. Frankel, Kurt L., Katherine S. Brantley, James F. Dolan, Robert C. Finkel, Ralph E. Klinger, Jeffrey R. Knott, Michael N. Machette, Lewis A. Owen, Fred M. Phillips, Janet L. Slate, and Brian P. Wernicke. "Cosmogenic ¹⁰Be and ³⁶Cl Geochronology of Offset Alluvial Fans along the Northern Death Valley Fault Zone: Implications for Transient Strain in the Eastern California Shear Zone." *Journal of Geophysical Research: Solid Earth* 112, no. B6 (June 2007): B06407. doi: [10.1029/2006JB004350](https://doi.org/10.1029/2006JB004350). (NCALM – 2005-06*)
4. Frankel, Kurt L., and James F. Dolan. "Characterizing Arid Region Alluvial Fan Surface Roughness with Airborne Laser Swath Mapping Digital Topographic Data." *Journal of Geophysical Research: Earth Surface* 112, no.F2 (June 2007): F02025. doi: [10.1029/2006JF000644](https://doi.org/10.1029/2006JF000644). (NCALM – 2005-06*)
5. Frankel, Kurt L., James F. Dolan, Robert C. Finkel, Lewis A. Owen, and Jeffrey S. Hoefft. "Spatial Variations in Slip Rate along the Death Valley-Fish Lake Valley Fault System Determined from LiDAR Topographic Data and Cosmogenic ¹⁰Be Geochronology." *Geophysical Research Letters* 34, no. 18 (September 2007): L18303. doi: [10.1029/2007GL030549](https://doi.org/10.1029/2007GL030549). (NCALM – 2005-06*)
6. Guest, Bernard, Nathan Niemi, and Brian Wernicke. "Stateline Fault System: A New Component of the Miocene-Quaternary Eastern California Shear Zone." *Geological Society of America Bulletin* 119, no. 11-12 (November 2007): 1337-1347. doi: [10.1130/0016-7606\(2007\)119\[1337:SFSANC\]2.0.CO;2](https://doi.org/10.1130/0016-7606(2007)119[1337:SFSANC]2.0.CO;2). (NCALM – 2005-05)
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9. Oskin, Michael, Lesley Perg, Dylan Blumentritt, Sujoy Mukhopadhyay, and Alexander Iriondo. "Slip Rate of the Calico Fault: Implications for Geologic Versus Geodetic Rate Discrepancy in the Eastern California Shear Zone." *Journal of Geophysical Research: Solid Earth* 112, no. B3 (March 2007): B03402. doi: [10.1029/2006JB004451](https://doi.org/10.1029/2006JB004451). (NCALM – 2003-02)

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