

Timothy Dixon

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

66

papers

4,204

citations

29

h-index

64

g-index

69

ext. papers

4,593

ext. citations

6.4

avg, IF

5.3

L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 66 | Offshore Sea Levels Measured With an Anchored Spar-Buoy System Using GPS Interferometric Reflectometry. <i>Journal of Geophysical Research: Oceans</i> , 2021 , 126, e2021JC017734 | 3.3 | 1 |
| 65 | Geodetic Applications to Geomorphology 2021 , | | |
| 64 | Isolated Cavities Dominate Greenland Ice Sheet Dynamic Response to Lake Drainage. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL094762 | 4.9 | 2 |
| 63 | Novel Quantification of Shallow Sediment Compaction by GPS Interferometric Reflectometry and Implications for Flood Susceptibility. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087807 | 4.9 | 7 |
| 62 | Modeling the Contribution of Poroelastic Deformation to Postseismic Geodetic Signals. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL086945 | 4.9 | 5 |
| 61 | Surface Deformation and Induced Seismicity Due to Fluid Injection and Oil and Gas Extraction in Western Texas. <i>Journal of Geophysical Research: Solid Earth</i> , 2020 , 125, e2019JB018962 | 3.6 | 9 |
| 60 | Slow Slip and Inter-transient Locking on the Nicoya Megathrust in the Late and Early Stages of an Earthquake Cycle. <i>Journal of Geophysical Research: Solid Earth</i> , 2020 , 125, e2020JB020503 | 3.6 | 1 |
| 59 | High-resolution DEM generation from spaceborne and terrestrial remote sensing data for improved volcano hazard assessment [A case study at Nevado del Ruiz, Colombia. <i>Remote Sensing of Environment</i> , 2019 , 233, 111348 | 13.2 | 13 |
| 58 | Rapid iceberg calving following removal of tightly packed pro-glacial mélange. <i>Nature Communications</i> , 2019 , 10, 3250 | 17.4 | 23 |
| 57 | Seafloor Geodesy in Shallow Water With GPS on an Anchored Spar Buoy. <i>Journal of Geophysical Research: Solid Earth</i> , 2019 , 124, 12116-12140 | 3.6 | 3 |
| 56 | A new geological slip rate estimate for the Calico Fault, eastern California: implications for geodetic versus geologic rate estimates in the Eastern California Shear Zone. <i>International Geology Review</i> , 2019 , 61, 1613-1641 | 2.3 | 1 |
| 55 | A New Hybrid Method for Estimating Hydrologically Induced Vertical Deformation From GRACE and a Hydrological Model: An Example From Central North America. <i>Journal of Advances in Modeling Earth Systems</i> , 2018 , 10, 1196-1217 | 7.1 | 14 |
| 54 | Grounding line migration through the calving season at Jakobshavn Isbrø Greenland, observed with terrestrial radar interferometry. <i>Cryosphere</i> , 2018 , 12, 1387-1400 | 5.5 | 16 |
| 53 | Do slow slip events trigger large and great megathrust earthquakes?. <i>Science Advances</i> , 2018 , 4, eaat84724.3 | 24.3 | 22 |
| 52 | A kinematic model for the evolution of the Eastern California Shear Zone and Garlock Fault, Mojave Desert, California. <i>Earth and Planetary Science Letters</i> , 2018 , 494, 60-68 | 5.3 | 9 |
| 51 | Strain release at the trench during shallow slow slip: The example of Nicoya Peninsula, Costa Rica. <i>Geophysical Research Letters</i> , 2017 , 44, 4846-4854 | 4.9 | 13 |
| 50 | Acquisition of a 3 min, two-dimensional glacier velocity field with terrestrial radar interferometry. <i>Journal of Glaciology</i> , 2017 , 63, 629-636 | 3.4 | 10 |

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| 49 | Nuisance Flooding and Relative Sea-Level Rise: the Importance of Present-Day Land Motion. <i>Scientific Reports</i> , 2017 , 7, 11197 | 4.9 | 48 |
| 48 | Slow slip events in the early part of the earthquake cycle. <i>Journal of Geophysical Research: Solid Earth</i> , 2017 , 122, 6773-6786 | 3.6 | 14 |
| 47 | Curbing Catastrophe: Natural Hazards and Risk Reduction in the Modern World 2017 , | | 3 |
| 46 | Precursor motion to iceberg calving at Jakobshavn Isbr  Greenland, observed with terrestrial radar interferometry. <i>Journal of Glaciology</i> , 2016 , 62, 1134-1142 | 3.4 | 18 |
| 45 | InSAR monitoring of ground deformation due to CO2 injection at an enhanced oil recovery site, West Texas. <i>International Journal of Greenhouse Gas Control</i> , 2015 , 41, 20-28 | 4.2 | 34 |
| 44 | GPS-based monitoring of surface deformation associated with CO2 injection at an enhanced oil recovery site. <i>International Journal of Greenhouse Gas Control</i> , 2015 , 41, 116-126 | 4.2 | 15 |
| 43 | Space geodetic observation of the deformation cycle across the Ballenas Transform, Gulf of California. <i>Journal of Geophysical Research: Solid Earth</i> , 2015 , 120, 5843-5862 | 3.6 | 7 |
| 42 | Multiscale postseismic behavior on a megathrust: The 2012 Nicoya earthquake, Costa Rica. <i>Geochemistry, Geophysics, Geosystems</i> , 2015 , 16, 1848-1864 | 3.6 | 40 |
| 41 | Multi-year observations of Brei merkurj ull, a marine-terminating glacier in southeastern Iceland, using terrestrial radar interferometry. <i>Journal of Glaciology</i> , 2015 , 61, 42-54 | 3.4 | 26 |
| 40 | A three-dimensional surface velocity field for the Mississippi Delta: Implications for coastal restoration and flood potential. <i>Geology</i> , 2015 , 43, 519-522 | 5 | 38 |
| 39 | Tidally driven ice speed variation at Helheim Glacier, Greenland, observed with terrestrial radar interferometry. <i>Journal of Glaciology</i> , 2015 , 61, 301-308 | 3.4 | 20 |
| 38 | Nicoya earthquake rupture anticipated by geodetic measurement of the locked plate interface. <i>Nature Geoscience</i> , 2014 , 7, 117-121 | 18.3 | 77 |
| 37 | A method for estimating ice mass loss from relative InSAR observations: Application to the Vatnaj ull ice cap, Iceland. <i>Geochemistry, Geophysics, Geosystems</i> , 2014 , 15, 108-120 | 3.6 | 5 |
| 36 | Earthquake and tsunami forecasts: relation of slow slip events to subsequent earthquake rupture. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 17039-44 | 11.5 | 76 |
| 35 | Three-Dimensional Phase Unwrapping for Satellite Radar Interferometry, I: DEM Generation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014 , 52, 1059-1075 | 8.1 | 20 |
| 34 | The 5 September 2012 Nicoya, Costa Rica Mw 7.6 earthquake rupture process from joint inversion of high-rate GPS, strong-motion, and teleseismic P wave data and its relationship to adjacent plate boundary interface properties. <i>Journal of Geophysical Research: Solid Earth</i> , 2013 , 118, 5453-5466 | 3.6 | 65 |
| 33 | Detailed Data Available for Recent Costa Rica Earthquake. <i>Eos</i> , 2013 , 94, 17-18 | 1.5 | 9 |
| 32 | Annual variation of coastal uplift in Greenland as an indicator of variable and accelerating ice mass loss. <i>Geochemistry, Geophysics, Geosystems</i> , 2013 , 14, 1569-1589 | 3.6 | 10 |

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| 31 | Insights into distributed plate rates across the Walker Lane from GPS geodesy. <i>Geophysical Research Letters</i> , 2013 , 40, 4620-4624 | 4.9 | 22 |
| 30 | Emerging technology monitors ice-sea interface at outlet glaciers. <i>Eos</i> , 2012 , 93, 497-498 | 1.5 | 12 |
| 29 | Slow slip events in Costa Rica detected by continuous GPS observations, 2002-2011. <i>Geochemistry, Geophysics, Geosystems</i> , 2012 , 13, n/a-n/a | 3.6 | 65 |
| 28 | Active deformation near the Nicoya Peninsula, northwestern Costa Rica, between 1996 and 2010: Interseismic megathrust coupling. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a | | 56 |
| 27 | Monitoring a glacier in southeastern Iceland with the portable Terrestrial Radar Interferometer 2012 , | | 6 |
| 26 | Acceleration and evolution of faults: An example from the Hunter Mountain-Banamint Valley fault zone, Eastern California. <i>Earth and Planetary Science Letters</i> , 2011 , 301, 337-344 | 5.3 | 18 |
| 25 | Accelerating uplift in the North Atlantic region as an indicator of ice loss. <i>Nature Geoscience</i> , 2010 , 3, 404-407 | 18.3 | 58 |
| 24 | A tremor and slip event on the Cocos-Caribbean subduction zone as measured by a global positioning system (GPS) and seismic network on the Nicoya Peninsula, Costa Rica. <i>Journal of Geophysical Research</i> , 2010 , 115, | | 73 |
| 23 | Reconciling patterns of interseismic strain accumulation with thermal observations across the Carrizo segment of the San Andreas Fault. <i>Earth and Planetary Science Letters</i> , 2010 , 300, 402-406 | 5.3 | 12 |
| 22 | Fore-arc motion and Cocos Ridge collision in Central America. <i>Geochemistry, Geophysics, Geosystems</i> , 2009 , 10, n/a-n/a | 3.6 | 133 |
| 21 | Earth Scientists and Public Policy: Have We Failed New Orleans?. <i>Eos</i> , 2008 , 89, 96 | 1.5 | 7 |
| 20 | Kinematics of the Nicaraguan forearc from GPS geodesy. <i>Geophysical Research Letters</i> , 2007 , 34, | 4.9 | 46 |
| 19 | Strain accumulation across the Carrizo segment of the San Andreas Fault, California: Impact of laterally varying crustal properties. <i>Journal of Geophysical Research</i> , 2006 , 111, n/a-n/a | | 56 |
| 18 | Tectonic control of subsidence and southward displacement of southeast Louisiana with respect to stable North America. <i>Geophysical Research Letters</i> , 2006 , 33, | 4.9 | 66 |
| 17 | Seismogenic zone structure beneath the Nicoya Peninsula, Costa Rica, from three-dimensional local earthquake P- and S-wave tomography. <i>Geophysical Journal International</i> , 2006 , 164, 109-124 | 2.6 | 82 |
| 16 | Space geodesy: subsidence and flooding in New Orleans. <i>Nature</i> , 2006 , 441, 587-8 | 50.4 | 240 |
| 15 | Geodetic and seismic constraints on some seismogenic zone processes in Costa Rica. <i>Journal of Geophysical Research</i> , 2004 , 109, | | 91 |
| 14 | Paleoseismology and Global Positioning System: Earthquake-cycle effects and geodetic versus geologic fault slip rates in the Eastern California shear zone. <i>Geology</i> , 2003 , 31, 55 | 5 | 114 |

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| 13 | Seismogenic zone structure of the southern Middle America Trench, Costa Rica. <i>Journal of Geophysical Research</i> , 2003 , 108, | | 59 |
| 12 | Holocene slip rate of the Wasatch fault zone, Utah, from geodetic data: Earthquake cycle effects. <i>Geophysical Research Letters</i> , 2003 , 30, | 4.9 | 20 |
| 11 | REVEL: A model for Recent plate velocities from space geodesy. <i>Journal of Geophysical Research</i> , 2002 , 107, ETG 11-1-ETG 11-30 | | 741 |
| 10 | Refined kinematics of the eastern California shear zone from GPS observations, 1993-1998. <i>Journal of Geophysical Research</i> , 2001 , 106, 2245-2263 | | 121 |
| 9 | Influence of the earthquake cycle and lithospheric rheology on the dynamics of the Eastern California Shear Zone. <i>Geophysical Research Letters</i> , 2001 , 28, 2731-2734 | 4.9 | 36 |
| 8 | Present-day motion of the Sierra Nevada block and some tectonic implications for the Basin and Range province, North American Cordillera. <i>Tectonics</i> , 2000 , 19, 1-24 | 4.3 | 269 |
| 7 | Noise in GPS coordinate time series. <i>Journal of Geophysical Research</i> , 1999 , 104, 2797-2816 | | 525 |
| 6 | New kinematic models for Pacific-North America motion from 3 Ma to present, I: Evidence for steady motion and biases in the NUVEL-1A Model. <i>Geophysical Research Letters</i> , 1999 , 26, 1921-1924 | 4.9 | 234 |
| 5 | Kinematics of the Eastern California shear zone: Evidence for slip transfer from Owens and Saline Valley fault zones to Fish Lake Valley fault zone. <i>Geology</i> , 1996 , 24, 339 | 5 | 52 |
| 4 | Inflation of Long Valley Caldera from one year of continuous GPS observations. <i>Geophysical Research Letters</i> , 1995 , 22, 195-198 | 4.9 | 21 |
| 3 | Constraints on present-day Basin and Range deformation from space geodesy. <i>Tectonics</i> , 1995 , 14, 755-773 | 4.7 | 142 |
| 2 | An introduction to the global positioning system and some geological applications. <i>Reviews of Geophysics</i> , 1991 , 29, 249 | 23.1 | 153 |
| 1 | The May 15, 2020 M 6.5 Monte Cristo Range, Nevada, earthquake: eyes in the sky, boots on the ground, and a chance for students to learn. <i>International Geology Review</i> , 1-20 | 2.3 | 0 |