

Yuri Fialko

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

6,582
citations

66250

44
h-index

75989

78
g-index

88
all docs

88
docs citations

88
times ranked

4647
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Tidal modulation of seismicity at the Coso geothermal field. <i>Earth and Planetary Science Letters</i> , 2022, 579, 117335. | 1.8 | 11 |
| 2 | General Seismic Architecture of the Southern San Andreas Fault Zone around the Thousand Palms Oasis from a Large-N Nodal Array. <i>The Seismic Record</i> , 2022, 2, 50-58. | 1.3 | 6 |
| 3 | Lithospheric Deformation Due To the 2015 M7.2 Sarez (Pamir) Earthquake Constrained by 5 Years of Space Geodetic Observations. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, . | 1.4 | 7 |
| 4 | Simple shear origin of the cross-faults ruptured in the 2019 Ridgecrest earthquake sequence. <i>Nature Geoscience</i> , 2021, 14, 513-518. | 5.4 | 22 |
| 5 | Estimation of Absolute Stress in the Hypocentral Region of the 2019 Ridgecrest, California, Earthquakes. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022000. | 1.4 | 18 |
| 6 | Coseismic and Early Postseismic Deformation Due to the 2021 M7.4 Maduo (China) Earthquake. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095213. | 1.5 | 56 |
| 7 | The Community Code Verification Exercise for Simulating Sequences of Earthquakes and Aseismic Slip (SEAS). <i>Seismological Research Letters</i> , 2020, 91, 874-890. | 0.8 | 43 |
| 8 | Finite Slip Models of the 2019 Ridgecrest Earthquake Sequence Constrained by Space Geodetic Data and Aftershock Locations. <i>Bulletin of the Seismological Society of America</i> , 2020, 110, 1660-1679. | 1.1 | 56 |
| 9 | Survey and Continuous GNSS in the Vicinity of the July 2019 Ridgecrest Earthquakes. <i>Seismological Research Letters</i> , 2020, 91, 2047-2054. | 0.8 | 17 |
| 10 | Slow Slip Event On the Southern San Andreas Fault Triggered by the 2017 Mw 8.2 Chiapas (Mexico) Earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 9956-9975. | 1.4 | 46 |
| 11 | Geodetic Evidence for a Blind Fault Segment at the Southern End of the San Jacinto Fault Zone. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 878-891. | 1.4 | 17 |
| 12 | Variations in the long-term uplift rate due to the Altiplano Puna magma body observed with Sentinel-1 interferometry. <i>Earth and Planetary Science Letters</i> , 2018, 491, 43-47. | 1.8 | 18 |
| 13 | Observations and Modeling of Coseismic and Postseismic Deformation Due To the 2015 Mw 7.8 Gorkha (Nepal) Earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 761-779. | 1.4 | 92 |
| 14 | Subsidence at Cerro Prieto Geothermal Field and postseismic slip along the Indiviso fault from 2011 to 2016 RADARSAT InSAR time series analysis. <i>Geophysical Research Letters</i> , 2017, 44, 2716-2724. | 1.5 | 16 |
| 15 | Improving Burst Alignment in TOPS Interferometry With Bivariate Enhanced Spectral Diversity. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017, 14, 2423-2427. | 1.4 | 22 |
| 16 | A comparison of long-term changes in seismicity at The Geysers, Salton Sea, and Coso geothermal fields. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 225-247. | 1.4 | 36 |
| 17 | Geodetic constraints on frictional properties and earthquake hazard in the Imperial Valley, Southern California. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 1097-1113. | 1.4 | 32 |
| 18 | Reconciling seismicity and geodetic locking depths on the Anza section of the San Jacinto fault. <i>Geophysical Research Letters</i> , 2016, 43, 10,663. | 1.5 | 21 |

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|----|--|------|-----------|
| 19 | Velocity-weakening behavior of Westerly granite at temperature up to 600°C. Journal of Geophysical Research: Solid Earth, 2016, 121, 6932-6946. | 1.4 | 34 |
| 20 | Upper-plate controls on co-seismic slip in the 2011 magnitude 9.0 Tohoku-oki earthquake. Nature, 2016, 531, 92-96. | 13.7 | 69 |
| 21 | Frictional properties of gabbro at conditions corresponding to slow slip events in subduction zones. Geochemistry, Geophysics, Geosystems, 2015, 16, 4006-4020. | 1.0 | 41 |
| 22 | Mitigation of atmospheric phase delays in InSAR data, with application to the eastern California shear zone. Journal of Geophysical Research: Solid Earth, 2015, 120, 5952-5963. | 1.4 | 98 |
| 23 | Slip model of the 2015 M_w 7.8 Gorkha (Nepal) earthquake from inversions of ALOS-2 and GPS data. Geophysical Research Letters, 2015, 42, 7452-7458. | 1.5 | 129 |
| 24 | Fracture and Frictional Mechanics: Theory. , 2015, , 73-91. | | 12 |
| 25 | Interseismic Strain Localization in the San Jacinto Fault Zone. Pure and Applied Geophysics, 2014, 171, 2937-2954. | 0.8 | 54 |
| 26 | Localized and distributed creep along the southern San Andreas Fault. Journal of Geophysical Research: Solid Earth, 2014, 119, 7909-7922. | 1.4 | 82 |
| 27 | Space geodetic observations and models of postseismic deformation due to the 2005 M_w 7.6 Kashmir (Pakistan) earthquake. Journal of Geophysical Research: Solid Earth, 2014, 119, 7306-7318. | 1.4 | 38 |
| 28 | El Mayor-Cucapah (M_w 7.2) earthquake: Early near-field postseismic deformation from InSAR and GPS observations. Journal of Geophysical Research: Solid Earth, 2014, 119, 1482-1497. | 1.4 | 66 |
| 29 | Geodetic investigation into the deformation of the Salton Trough. Journal of Geophysical Research: Solid Earth, 2013, 118, 5030-5039. | 1.4 | 31 |
| 30 | Geodetic slip rates in the southern San Andreas Fault system: Effects of elastic heterogeneity and fault geometry. Journal of Geophysical Research: Solid Earth, 2013, 118, 689-697. | 1.4 | 93 |
| 31 | Interseismic deformation and creep along the central section of the North Anatolian Fault (Turkey): InSAR observations and implications for rate- and state friction properties. Journal of Geophysical Research: Solid Earth, 2013, 118, 316-331. | 1.4 | 85 |
| 32 | Temperature dependence of frictional healing of Westerly granite: Experimental observations and numerical simulations. Geochemistry, Geophysics, Geosystems, 2013, 14, 567-582. | 1.0 | 46 |
| 33 | On the effects of thermally weakened ductile shear zones on postseismic deformation. Journal of Geophysical Research: Solid Earth, 2013, 118, 6295-6310. | 1.4 | 33 |
| 34 | "Melt wet" mechanism of extreme weakening of gabbro at seismic slip rates. Nature, 2012, 488, 638-641. | 13.7 | 67 |
| 35 | Sombrero Uplift Above the Altiplano-Puna Magma Body: Evidence of a Ballooning Mid-Crustal Diapir. Science, 2012, 338, 250-252. | 6.0 | 78 |
| 36 | Rising of the lowest place on Earth due to Dead Sea water level drop: Evidence from SAR interferometry and GPS. Journal of Geophysical Research, 2012, 117, . | 3.3 | 31 |

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|----|---|-----|-----------|
| 37 | Dynamic models of interseismic deformation and stress transfer from plate motion to continental transform faults. <i>Journal of Geophysical Research</i> , 2012, 117, . | 3.3 | 58 |
| 38 | A Quantitative Assessment of DInSAR Measurements of Interseismic Deformation: The Southern San Andreas Fault Case Study. <i>Pure and Applied Geophysics</i> , 2012, 169, 1463-1482. | 0.8 | 97 |
| 39 | Slip on faults in the Imperial Valley triggered by the 4 April 2010 Mw 7.2 El Mayor-Cucapah earthquake revealed by InSAR. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a. | 1.5 | 68 |
| 40 | Comment on "Deformation of compliant fault zones induced by nearby earthquakes: Theoretical investigations in two dimensions" by Benchun Duan et al.. <i>Journal of Geophysical Research</i> , 2011, 116, . | 3.3 | 2 |
| 41 | Shallow slip deficit due to large strike-slip earthquakes in dynamic rupture simulations with elasto-plastic off-fault response. <i>Geophysical Journal International</i> , 2011, 186, 1389-1403. | 1.0 | 131 |
| 42 | A unified continuum representation of post-seismic relaxation mechanisms: semi-analytic models of afterslip, poroelastic rebound and viscoelastic flow. <i>Geophysical Journal International</i> , 2010, 182, 1124-1140. | 1.0 | 159 |
| 43 | Mechanics of active magmatic intraplate in the Rio Grande Rift near Socorro, New Mexico. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 35 |
| 44 | Coseismic slip model of the 2008 Wenchuan earthquake derived from joint inversion of interferometric synthetic aperture radar, GPS, and field data. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 111 |
| 45 | Seismic and geodetic evidence for extensive, long-lived fault damage zones. <i>Geology</i> , 2009, 37, 315-318. | 2.0 | 222 |
| 46 | Three-dimensional models of elastostatic deformation in heterogeneous media, with applications to the Eastern California Shear Zone. <i>Geophysical Journal International</i> , 2009, 179, 500-520. | 1.0 | 50 |
| 47 | A silent M_w 4.7 slip event of October 2006 on the Superstition Hills fault, southern California. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 49 |
| 48 | Experimental investigation of frictional melting of argillite at high slip rates: Implications for seismic slip in subduction accretion complexes. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 27 |
| 49 | Postseismic deformation due to the M_w 6.0 2004 Parkfield earthquake: Stress-driven creep on a fault with spatially variable rate and state friction parameters. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 178 |
| 50 | Can compliant fault zones be used to measure absolute stresses in the upper crust?. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 14 |
| 51 | Hydrologic detection and finite element modeling of a slow slip event in the Costa Rica prism toe. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 36 |
| 52 | Damage rheology and stable versus unstable fracturing of rocks. , 2009, , 133-144. | | 0 |
| 53 | Space geodetic investigation of the coseismic and postseismic deformation due to the 2003 M_w 7.2 Altai earthquake: Implications for the local lithospheric rheology. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 81 |
| 54 | Effect of a compliant fault zone on the inferred earthquake slip distribution. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 44 |

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|----|---|------|-----------|
| 55 | Structure and mechanical properties of faults in the North Anatolian Fault system from InSAR observations of coseismic deformation due to the 1999 Izmit (Turkey) earthquake. <i>Journal of Geophysical Research</i> , 2007, 112, . | 3.3 | 47 |
| 56 | Fracture and Frictional Mechanics – Theory. , 2007, , 83-106. | | 8 |
| 57 | Fracture and Frictional Mechanics – Theory. , 2007, , 83-106. | | 3 |
| 58 | Obtaining Absolute Locations for Quarry Seismicity Using Remote Sensing Data. <i>Bulletin of the Seismological Society of America</i> , 2006, 96, 722-728. | 1.1 | 10 |
| 59 | Stable and unstable damage evolution in rocks with implications to fracturing of granite. <i>Geophysical Journal International</i> , 2006, 167, 1005-1016. | 1.0 | 49 |
| 60 | Interseismic strain accumulation and the earthquake potential on the southern San Andreas fault system. <i>Nature</i> , 2006, 441, 968-971. | 13.7 | 340 |
| 61 | Estimate of differential stress in the upper crust from variations in topography and strike along the San Andreas fault. <i>Geophysical Journal International</i> , 2005, 160, 527-532. | 1.0 | 41 |
| 62 | Three-dimensional deformation caused by the Bam, Iran, earthquake and the origin of shallow slip deficit. <i>Nature</i> , 2005, 435, 295-299. | 13.7 | 403 |
| 63 | Why do kimberlites from different provinces have similar trace element patterns?. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, n/a-n/a. | 1.0 | 18 |
| 64 | Fusion by earthquake fault friction: Stick or slip?. <i>Journal of Geophysical Research</i> , 2005, 110, . | 3.3 | 100 |
| 65 | Temperature fields generated by the elastodynamic propagation of shear cracks in the Earth. <i>Journal of Geophysical Research</i> , 2004, 109, . | 3.3 | 51 |
| 66 | Probing the mechanical properties of seismically active crust with space geodesy: Study of the coseismic deformation due to the 1992Mw7.3 Landers (southern California) earthquake. <i>Journal of Geophysical Research</i> , 2004, 109, . | 3.3 | 189 |
| 67 | Evidence of fluid-filled upper crust from observations of postseismic deformation due to the 1992Mw7.3 Landers earthquake. <i>Journal of Geophysical Research</i> , 2004, 109, . | 3.3 | 194 |
| 68 | Warping and cracking of the Pacific plate by thermal contraction. <i>Journal of Geophysical Research</i> , 2004, 109, . | 3.3 | 68 |
| 69 | Deformation on Nearby Faults Induced by the 1999 Hector Mine Earthquake. <i>Science</i> , 2002, 297, 1858-1862. | 6.0 | 171 |
| 70 | The 1999 (Mw 7.1) Hector Mine, California, Earthquake: Near-Field Postseismic Deformation from ERS Interferometry. <i>Bulletin of the Seismological Society of America</i> , 2002, 92, 1433-1442. | 1.1 | 73 |
| 71 | Coseismic Deformation from the 1999 Mw 7.1 Hector Mine, California, Earthquake as Inferred from InSAR and GPS Observations. <i>Bulletin of the Seismological Society of America</i> , 2002, 92, 1390-1402. | 1.1 | 384 |
| 72 | The complete (3-D) surface displacement field in the epicentral area of the 1999MW7.1 Hector Mine Earthquake, California, from space geodetic observations. <i>Geophysical Research Letters</i> , 2001, 28, 3063-3066. | 1.5 | 458 |

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|----|---|-----|-----------|
| 73 | Evidence for on-going inflation of the Socorro Magma Body, New Mexico, from interferometric synthetic aperture radar imaging. <i>Geophysical Research Letters</i> , 2001, 28, 3549-3552. | 1.5 | 67 |
| 74 | On origin of near-axis volcanism and faulting at fast spreading mid-ocean ridges. <i>Earth and Planetary Science Letters</i> , 2001, 190, 31-39. | 1.8 | 45 |
| 75 | Deformation due to a pressurized horizontal circular crack in an elastic half-space, with applications to volcano geodesy. <i>Geophysical Journal International</i> , 2001, 146, 181-190. | 1.0 | 272 |
| 76 | Finite source modelling of magmatic unrest in Socorro, New Mexico, and Long Valley, California. <i>Geophysical Journal International</i> , 2001, 146, 191-200. | 1.0 | 77 |
| 77 | Deformation and seismicity in the Coso geothermal area, Inyo County, California: Observations and modeling using satellite radar interferometry. <i>Journal of Geophysical Research</i> , 2000, 105, 21781-21793. | 3.3 | 119 |
| 78 | What controls the along-strike slopes of volcanic rift zones?. <i>Journal of Geophysical Research</i> , 1999, 104, 20007-20020. | 3.3 | 33 |
| 79 | Thermal and mechanical aspects of magma emplacement in giant dike swarms. <i>Journal of Geophysical Research</i> , 1999, 104, 23033-23049. | 3.3 | 127 |
| 80 | Thermodynamics of lateral dike propagation: Implications for crustal accretion at slow spreading mid-ocean ridges. <i>Journal of Geophysical Research</i> , 1998, 103, 2501-2514. | 3.3 | 99 |
| 81 | Numerical simulation of high-pressure rock tensile fracture experiments: Evidence of an increase in fracture energy with pressure?. <i>Journal of Geophysical Research</i> , 1997, 102, 5231-5242. | 3.3 | 36 |
| 82 | Fracture criteria at the tip of fluid-driven cracks in the Earth. <i>Geophysical Research Letters</i> , 1995, 22, 2541-2544. | 1.5 | 39 |
| 83 | Fourier-domain Green's function for an elastic semi-infinite solid under gravity, with applications to earthquake and volcano deformation. <i>Geophysical Journal International</i> , 0, 182, 568-582. | 1.0 | 71 |