# Jack Williams

List of Publications by Year
in descending order



| 18 | 549 | 623734 14 | 888059 17 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 18 | 18 | 18 | 620 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Surface Rupture of Multiple Crustal Faults in the 2016 MwÂ7.8 KaikÅura, New Zealand, Earthquake. Bulletin of the Seismological Society of America, 2018, 108, 1496-1520. | 2.3 | 125 |
| 2 | Extreme hydrothermal conditions at an active plate-bounding fault. Nature, 2017, 546, 137-140. | 27.8 | 84 |
| 3 | Geodetic Constraints on Cratonic Microplates and Broad Strain During Rifting of Thick Southern African Lithosphere. Geophysical Research Letters, 2021, 48, e2021GL093785. | 4.0 | 34 |
| 4 | Petrophysical, Geochemical, and Hydrological Evidence for Extensive Fractureâ€Mediated Fluid and Heat Transport in the Alpine Fault's Hangingâ€Wall Damage Zone. Geochemistry, Geophysics, Geosystems, 2017, 18, 4709-4732. | 2.5 | 31 |
| 5 | Active Fault Scarps in Southern Malawi and Their Implications for the Distribution of Strain in Incipient Continental Rifts. Tectonics, 2020, 39, e2019TC005834. | 2.8 | 31 |
| 6 | Damaged beyond repair? Characterising the damage zone of a fault late in its interseismic cycle, the Alpine Fault, New Zealand. Journal of Structural Geology, 2016, 90, 76-94. | 2.3 | 28 |
| 7 | How Do Variably Striking Faults Reactivate During Rifting? Insights From Southern Malawi. Geochemistry, Geophysics, Geosystems, 2019, 20, 3588-3607. | 2.5 | 28 |
| 8 | Structural inheritance and border fault reactivation during active early-stage rifting along the Thyolo fault, Malawi. Journal of Structural Geology, 2020, 139, 104097. | 2.3 | 26 |
| 9 | Bedrock geology of DFDP-2B, central Alpine Fault, New Zealand. New Zealand Journal of Geology, and Geophysics, 2017, 60, 497-518. | 1.8 | 24 |
| 10 | Surface Rupture of the Hundalee Fault during the 2016 MwÂ7.8 KaikÅura Earthquake. Bulletin of the Seismological Society of America, 2018, 108, 1540-1555. | 2.3 | 24 |
| 11 | Fracturing, fluid-rock interaction and mineralisation during the seismic cycle along the Alpine Fault. Journal of Structural Geology, 2017, 103, 151-166. | 2.3 | 22 |
| 12 | Evidence From Highâ€Resolution Topography for Multiple Earthquakes on High Slipâ€toâ€Length Fault Scarps: The Bililaâ€Mtakataka Fault, Malawi. Tectonics, 2020, 39, e2019TC005933. | 2.8 | 20 |
| 13 | Textural changes of graphitic carbon by tectonic and hydrothermal processes in an active plate boundary fault zone, Alpine Fault, New Zealand. Geological Society Special Publication, 2018, 453, 205-223. | 1.3 | 19 |
| 14 | A systems-based approach to parameterise seismic hazard in regions with little historical or instrumental seismicity: active fault and seismogenic source databases for southern Malawi. Solid Earth, 2021, 12, 187-217. | 2.8 | 17 |
| 15 | Controls on fault zone structure and brittle fracturing in the foliated hanging wall of the Alpine Fault. Solid Earth, 2018, 9, 469-489. | 2.8 | 15 |
| 16 | The Alpine Fault Hangingwall Viewed From Within: Structural Analysis of Ultrasonic Image Logs in the DFDPâ€2B Borehole, New Zealand. Geochemistry, Geophysics, Geosystems, 2018, 19, 2492-2515. | 2.5 | 14 |
| 17 | Low Dissipation of Earthquake Energy Where a Fault Follows Preâ€Existing Weaknesses: Field and Microstructural Observations of Malawiâ€™s Bililaâ€Mtakataka Fault. Geophysical Research Letters, 2022, 49, . | 4.0 | 4 |
| 18 | A comparison of the use of X-ray and neutron tomographic core scanning techniques for drilling projects: insights from scanning core recovered during the Alpine Fault Deep Fault Drilling Project. Scientific Drilling, 0, 22, 35-42. | 0.6 | 3 |