# Martha K Savage

## List of Publications by Year in Descending Order



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| 134 papers | 5,165 citations | 36 h-index | 69 g-index |
| 145 ext. papers | 5,703 ext. citations | 5.4 avg, IF | 5.93 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 134 | Stretching, Shaking, Inflating: Volcanic-Tectonic Interactions at a Rifting Silicic Caldera. *Frontiers in Earth Science*, **2022**, 10, | 3.5 | 1 |
| 133 | Temporal velocity variations in the northern Hikurangi margin and the relation to slow slip. *Earth and Planetary Science Letters*, **2022**, 584, 117443 | 5.3 | |
| 132 | Velocity changes around the Kaik□ra earthquake ruptures from ambient noise cross-correlations. *Geophysical Journal International*, **2022**, 229, 1357-1371 | 2.6 | 0 |
| 131 | Spatial and temporal stress field changes in the focal area of the 2016 Kaik□ra earthquake, New Zealand: A multi-fault process interpretation. *Tectonophysics*, **2022**, 229390 | 3.1 | |
| 130 | A quest for unrest in multiparameter observations at Whakaari/White Island volcano, New Zealand 2007□2018. *Earth, Planets and Space*, **2021**, 73, | 2.9 | 3 |
| 129 | Volcanic Unrest at Taup□Volcano in 2019: Causes, Mechanisms and Implications. *Geochemistry, Geophysics, Geosystems*, **2021**, 22, e2021GC009803 | 3.6 | 10 |
| 128 | Earthquake Analysis Suggests Dyke Intrusion in 2019 Near Tarawera Volcano, New Zealand. *Frontiers in Earth Science*, **2021**, 8, | 3.5 | 6 |
| 127 | The use of mechanical restraint in Pacific Rim countries: an international epidemiological study□Corrigendum. *Epidemiology and Psychiatric Sciences*, **2021**, 30, | 5.1 | 78 |
| 126 | Hydration of the crust and upper mantle of the Hikurangi Plateau as it subducts at the southern Hikurangi margin. *Earth and Planetary Science Letters*, **2020**, 541, 116271 | 5.3 | 6 |
| 125 | Crustal Thermal Structure and Exhumation Rates in the Southern Alps Near the Central Alpine Fault, New Zealand. *Geochemistry, Geophysics, Geosystems*, **2020**, 21, e2020GC008972 | 3.6 | 2 |
| 124 | Upper Plate Heterogeneity Along the Southern Hikurangi Margin, New Zealand. *Geophysical Research Letters*, **2020**, 47, e2019GL085511 | 4.9 | 4 |
| 123 | Seismic P‐Wave Velocity Model From 3-D Surface and Borehole Seismic Data at the Alpine Fault DFDP-2 Drill Site (Whataroa, New Zealand). *Journal of Geophysical Research: Solid Earth*, **2020**, 125, e2019JB018519 | 3.6 | 1 |
| 122 | The use of mechanical restraint in Pacific Rim countries: an international epidemiological study. *Epidemiology and Psychiatric Sciences*, **2020**, 29, e190 | 5.1 | 3 |
| 121 | Detailed spatiotemporal analysis of the tectonic stress regime near the central Alpine Fault, New Zealand. *Tectonophysics*, **2020**, 775, 228205 | 3.1 | 2 |
| 120 | Seismic response to evolving injection at the Rotokawa geothermal field, New Zealand. *Geothermics*, **2020**, 85, 101750 | 4.3 | 1 |
| 119 | Temporal and spatial variations in seismic anisotropy and VP/VS ratios in a region of slow slip. *Earth and Planetary Science Letters*, **2020**, 532, 115970 | 5.3 | 14 |
| 118 | Shear wave velocity changes induced by earthquakes and rainfall at the Rotokawa and Ngatamariki geothermal fields, Taup□Volcanic Zone, New Zealand. *Geophysical Journal International*, **2020**, 221, 97-114 | 2.6 | 5 |

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|---|---|---|---|
| 117 | Spatio-temporal analysis of seismic anisotropy associated with the Cook Strait and Kaikōura earthquake sequences in New Zealand. *Geophysical Journal International*, **2020**, 223, 1987-2008 | 2.6 | 7 |
| 116 | Global quieting of high-frequency seismic noise due to COVID-19 pandemic lockdown measures. *Science*, **2020**, 369, 1338-1343 | 33.3 | 118 |
| 115 | Anisotropy as an indicator for reservoir changes: example from the Rotokawa and Ngatamariki geothermal fields, New Zealand. *Geophysical Journal International*, **2020**, 220, 1-17 | 2.6 | 3 |
| 114 | Crustal imaging of northern Harrat Rahat, Saudi Arabia, from ambient noise tomography. *Geophysical Journal International*, **2019**, 219, 1532-1549 | 2.6 | 2 |
| 113 | Seismic Response to Injection Well Stimulation in a High-Temperature, High-Permeability Reservoir. *Geochemistry, Geophysics, Geosystems*, **2019**, 20, 2848-2871 | 3.6 | 6 |
| 112 | Crustal Fault Connectivity of the Mw 7.8 2016 Kaikōura Earthquake Constrained by Aftershock Relocations. *Geophysical Research Letters*, **2019**, 46, 6487-6496 | 4.9 | 20 |
| 111 | Variations in Seismogenic Thickness Along the Central Alpine Fault, New Zealand, Revealed by a Decade's Relocated Microseismicity. *Geochemistry, Geophysics, Geosystems*, **2019**, 20, 470-486 | 3.6 | 11 |
| 110 | Seismicity at the Northern Hikurangi Margin, New Zealand, and Investigation of the Potential Spatial and Temporal Relationships With a Shallow Slow Slip Event. *Journal of Geophysical Research: Solid Earth*, **2019**, 124, 4751-4766 | 3.6 | 12 |
| 109 | Mapping Stress and Structure From Subducting Slab to Magmatic Rift: Crustal Seismic Anisotropy of the North Island, New Zealand. *Geochemistry, Geophysics, Geosystems*, **2019**, 20, 5038-5056 | 3.6 | 9 |
| 108 | Volcanic, Coseismic, and Seasonal Changes Detected at White Island (Whakaari) Volcano, New Zealand, Using Seismic Ambient Noise. *Geophysical Research Letters*, **2019**, 46, 99-108 | 4.9 | 26 |
| 107 | Strength of an obliquely convergent plate boundary: lithospheric stress magnitudes and viscosity in New Zealand. *Geophysical Journal International*, **2019**, 216, 1005-1024 | 2.6 | 5 |
| 106 | Illumination of deformation by bending stresses and slab pull within the Southern Hikurangi Double Benioff Zone. *New Zealand Journal of Geology, and Geophysics*, **2019**, 62, 111-120 | 1.6 | 1 |
| 105 | Post-seismic velocity changes following the 2010 Mw 7.1 Darfield earthquake, New Zealand, revealed by ambient seismic field analysis. *Geophysical Journal International*, **2018**, 213, 931-939 | 2.6 | 5 |
| 104 | Focal mechanisms and inter-event times of low-frequency earthquakes reveal quasi-continuous deformation and triggered slow slip on the deep Alpine Fault. *Earth and Planetary Science Letters*, **2018**, 484, 111-123 | 5.3 | 11 |
| 103 | The lithosphere‐asthenosphere boundary beneath the South Island of New Zealand. *Earth and Planetary Science Letters*, **2018**, 484, 92-102 | 5.3 | 8 |
| 102 | Shear-wave velocity structure of the Tongariro Volcanic Centre, New Zealand: Fast Rayleigh and slow Love waves indicate strong shallow anisotropy. *Journal of Volcanology and Geothermal Research*, **2017**, 336, 33-50 | 2.8 | 10 |
| 101 | Extreme hydrothermal conditions at an active plate-bounding fault. *Nature*, **2017**, 546, 137-140 | 50.4 | 66 |
| 100 | Bedrock geology of DFDP-2B, central Alpine Fault, New Zealand. *New Zealand Journal of Geology, and Geophysics*, **2017**, 60, 497-518 | 1.6 | 21 |

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| 99 | Special issue "2016 Kumamoto earthquake sequence and its impact on earthquake science and hazard assessment" *Earth, Planets and Space*, **2017**, 69, | 2.9 | 7 |
| 98 | Extension and stress during continental breakup: Seismic anisotropy of the crust in Northern Afar. *Earth and Planetary Science Letters*, **2017**, 477, 41-51 | 5.3 | 12 |
| 97 | Stress Orientations in a Locked Subduction Zone at the Southern Hikurangi Margin, New Zealand. *Journal of Geophysical Research: Solid Earth*, **2017**, 122, 7895-7911 | 3.6 | 6 |
| 96 | Petrophysical, Geochemical, and Hydrological Evidence for Extensive Fracture-Mediated Fluid and Heat Transport in the Alpine Fault's Hanging-Wall Damage Zone. *Geochemistry, Geophysics, Geosystems*, **2017**, 18, 4709-4732 | 3.6 | 27 |
| 95 | Real-Time Earthquake Monitoring during the Second Phase of the Deep Fault Drilling Project, Alpine Fault, New Zealand. *Seismological Research Letters*, **2017**, 88, 1443-1454 | 3 | 1 |
| 94 | Quantifying seismicity associated with slow slip events in the Hikurangi margin, New Zealand. *New Zealand Journal of Geology, and Geophysics*, **2016**, 59, 58-69 | 1.6 | 9 |
| 93 | Stress, strain rate and anisotropy in Kyushu, Japan. *Earth and Planetary Science Letters*, **2016**, 439, 129-142 | 5.3 | 36 |
| 92 | Inferring shear-velocity structure of the upper 200´m using cultural ambient noise at the Ngatamariki geothermal field, Central North Island, New Zealand. *Interpretation*, **2016**, 4, SJ87-SJ101 | 1.4 | 3 |
| 91 | Seismic anisotropy and its precursory change before eruptions at Piton de la Fournaise volcano, La Réunion. *Journal of Geophysical Research: Solid Earth*, **2015**, 120, 3430-3458 | 3.6 | 6 |
| 90 | Fracture-related wavefield polarization and seismic anisotropy across the Greendale Fault. *Journal of Geophysical Research: Solid Earth*, **2015**, 120, 7048-7067 | 3.6 | 13 |
| 89 | Seismic anisotropy of the upper crust around Mount Fuji, Japan. *Journal of Geophysical Research: Solid Earth*, **2015**, 120, 2739-2751 | 3.6 | 19 |
| 88 | S-wave splitting in the offshore South Island, New Zealand: Insights into plate-boundary deformation. *Geochemistry, Geophysics, Geosystems*, **2015**, 16, 2829-2847 | 3.6 | 6 |
| 87 | Shear wave automatic picking and splitting measurements at Ruapehu volcano, New Zealand. *Journal of Geophysical Research: Solid Earth*, **2015**, 120, 3363-3384 | 3.6 | 14 |
| 86 | SAHKE seismic-scatter imaging of subduction beneath Wellington, North Island, New Zealand. *Geophysical Research Letters*, **2015**, 42, 3240-3247 | 4.9 | 4 |
| 85 | A seismic reflection image for the base of a tectonic plate. *Nature*, **2015**, 518, 85-8 | 50.4 | 77 |
| 84 | Modeling shear wave splitting due to stress-induced anisotropy, with an application to Mount Asama Volcano, Japan. *Journal of Geophysical Research: Solid Earth*, **2014**, 119, 4269-4286 | 3.6 | 5 |
| 83 | Search for temporal changes in shear-wave splitting associated with the 2012 Te Maari Eruptions at Mount Tongariro, New Zealand. *Journal of Volcanology and Geothermal Research*, **2014**, 286, 277-293 | 2.8 | 5 |
| 82 | Upper mantle seismic anisotropy at a strike-slip boundary: South Island, New Zealand. *Journal of Geophysical Research: Solid Earth*, **2014**, 119, 1020-1040 | 3.6 | 24 |

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| 81 | Ambient noise cross-correlation observations of fundamental and higher-mode Rayleigh wave propagation governed by basement resonance. *Geophysical Research Letters*, **2013**, 40, 3556-3561 | 4.9 | 34 |
| 80 | Seismic anisotropy and lithospheric deformation of the plate-boundary zone in South Island, New Zealand: inferences from local S-wave splitting. *Geophysical Journal International*, **2013**, 193, 507-530 | 2.6 | 20 |
| 79 | Cumulative rate analysis (CURATE): A clustering algorithm for swarm dominated catalogs. *Journal of Geophysical Research: Solid Earth*, **2013**, 118, 553-569 | 3.6 | 17 |
| 78 | Crustal stress and fault strength in the Canterbury Plains, New Zealand. *Earth and Planetary Science Letters*, **2013**, 383, 173-181 | 5.3 | 28 |
| 77 | Silver and Chan revisited. *Journal of Geophysical Research: Solid Earth*, **2013**, 118, 5500-5515 | 3.6 | 53 |
| 76 | SAHKE geophysical transect reveals crustal and subduction zone structure at the southern Hikurangi margin, New Zealand. *Geochemistry, Geophysics, Geosystems*, **2013**, 14, 2063-2083 | 3.6 | 43 |
| 75 | High-resolution relocation of aftershocks of the Mw 7.1 Darfield, New Zealand, earthquake and implications for fault activity. *Journal of Geophysical Research: Solid Earth*, **2013**, 118, 4184-4195 | 3.6 | 16 |
| 74 | Tracking volcanic and geothermal activity in the Tongariro Volcanic Centre, New Zealand, with shear wave splitting tomography. *Journal of Volcanology and Geothermal Research*, **2012**, 223-224, 1-10 | 2.8 | 23 |
| 73 | Temporal and spatial evolution of hypocentres and anisotropy from the Darfield aftershock sequence: implications for fault geometry and age. *New Zealand Journal of Geology, and Geophysics*, **2012**, 55, 287-293 | 1.6 | 13 |
| 72 | Crustal shear wave tomography of the Taupo Volcanic Zone, New Zealand, via ambient noise correlation between multiple three-component networks. *Geochemistry, Geophysics, Geosystems*, **2011**, 12, n/a-n/a | 3.6 | 19 |
| 71 | Analysis and forward modeling of seismic anisotropy during the ongoing eruption of the Soufri�e Hills Volcano, Montserrat, 1996�2007. *Journal of Geophysical Research*, **2011**, 116, | | 23 |
| 70 | The Erua earthquake cluster and seismic anisotropy in the Ruapehu region, New Zealand. *Geophysical Research Letters*, **2011**, 38, n/a-n/a | 4.9 | 14 |
| 69 | Distinguishing between stress-induced and structural anisotropy at Mount Ruapehu volcano, New Zealand. *Journal of Geophysical Research*, **2011**, 116, | | 52 |
| 68 | Shear wave splitting, vP/vS, and GPS during a time of enhanced activity at Aso caldera, Kyushu. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a | | 36 |
| 67 | A major step in the continental Moho and its geodynamic consequences: the Taranaki-Ruapehu line, New Zealand. *Geophysical Journal International*, **2011**, 186, 32-44 | 2.6 | 23 |
| 66 | Shear velocity structure of the Northland Peninsula, New Zealand, inferred from ambient noise correlations. *Journal of Geophysical Research*, **2010**, 115, | | 21 |
| 65 | Anisotropy, repeating earthquakes, and seismicity associated with the 2008 eruption of Okmok volcano, Alaska. *Journal of Geophysical Research*, **2010**, 115, | | 33 |
| 64 | Automatic measurement of shear wave splitting and applications to time varying anisotropy at Mount Ruapehu volcano, New Zealand. *Journal of Geophysical Research*, **2010**, 115, | | 77 |

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| 63 | Stress magnitude and its temporal variation at Mt. Asama Volcano, Japan, from seismic anisotropy and GPS. *Earth and Planetary Science Letters*, **2010**, 290, 403-414 | 5.3 | 40 |
| 62 | The role of fluids in earthquake generation in the 2009 Mw6.3 L'Aquila, Italy, earthquake and its foreshocks: Figure 1.. *Geology*, **2010**, 38, 1055-1056 | 5 | 14 |
| 61 | Changes in attenuation related to eruptions of Mt. Ruapehu Volcano, New Zealand. *Journal of Volcanology and Geothermal Research*, **2010**, 190, 168-178 | 2.8 | 14 |
| 60 | Crustmantle structure of the central North Island, New Zealand, based on seismological observations. *Journal of Volcanology and Geothermal Research*, **2010**, 190, 58-74 | 2.8 | 26 |
| 59 | Seismicity in the Rotorua and Kawerau geothermal systems, Taupo Volcanic Zone, New Zealand, based on improved velocity models and cross-correlation measurements. *Journal of Volcanology and Geothermal Research*, **2009**, 180, 50-66 | 2.8 | 16 |
| 58 | Modelling seismic anisotropy variations across the Hikurangi subduction margin, New Zealand. *Earth and Planetary Science Letters*, **2009**, 285, 16-26 | 5.3 | 23 |
| 57 | Strong variations in seismic anisotropy across the Hikurangi subduction zone, North Island, New Zealand. *Tectonophysics*, **2008**, 462, 7-21 | 3.1 | 34 |
| 56 | Differences between spontaneous and triggered earthquakes: Their influences on foreshock probabilities. *Journal of Geophysical Research*, **2008**, 113, | | 30 |
| 55 | Time-, Distance-, and Magnitude-Dependent Foreshock Probability Model for New Zealand. *Bulletin of the Seismological Society of America*, **2008**, 98, 2149-2160 | 2.3 | 4 |
| 54 | Illuminating the plate interface structure beneath Cook Strait, New Zealand, with receiver functions. *Journal of Geophysical Research*, **2007**, 112, | | 9 |
| 53 | Velocity and anisotropy structure at the Hikurangi subduction margin, New Zealand from receiver functions. *Geophysical Journal International*, **2007**, 168, 1034-1050 | 2.6 | 33 |
| 52 | Crust and mantle thickening beneath the southern portion of the Southern Alps, New Zealand. *Geophysical Journal International*, **2007**, 168, 681-690 | 2.6 | 26 |
| 51 | Imaging the Hikurangi subduction zone, New Zealand, using teleseismic receiver functions: crustal fluids above the forearc mantle wedge. *Geophysical Journal International*, **2007**, 169, 602-616 | 2.6 | 20 |
| 50 | Ambient noise Rayleigh wave tomography of New Zealand. *Geophysical Journal International*, **2007**, 170, 649-666 | 2.6 | 216 |
| 49 | Seismic Anisotropy in South Island, New Zealand. *Geophysical Monograph Series*, **2007**, 95-114 | 1.1 | 3 |
| 48 | Crustal Thickness and Pn Anisotropy Beneath the Southern Alps Oblique Collision, New Zealand. *Geophysical Monograph Series*, **2007**, 115-122 | 1.1 | 3 |
| 47 | Modeling Strain and Anisotropy Along the Alpine Fault, South Island, New Zealand. *Geophysical Monograph Series*, **2007**, 289-305 | 1.1 | 5 |
| 46 | Modelling ground motion in the Hutt Valley, New Zealand. *Bulletin of the New Zealand Society for Earthquake Engineering*, **2007**, 40, 190-199 | 0.5 | |

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| 45 | Earthquake source mechanism analysis for events between 1992 and 1997 using sparse New Zealand broadband data. *New Zealand Journal of Geology, and Geophysics*, **2006**, 49, 75-89 | 1.6 | 5 |
| 44 | Implications for intraplate volcanism and back-arc deformation in northwestern New Zealand, from joint inversion of receiver functions and surface waves. *Geophysical Journal International*, **2006**, 166, 1466-1483 | 2.6 | 61 |
| 43 | Mantle tectonics beneath New Zealand inferred fromSKSsplitting and petrophysics. *Geophysical Journal International*, **2005**, 163, 760-774 | 2.6 | 22 |
| 42 | Stress and crustal anisotropy in Marlborough, New Zealand: evidence for low fault strength and structure-controlled anisotropy. *Geophysical Journal International*, **2005**, 163, 1073-1086 | 2.6 | 89 |
| 41 | Seismic anisotropy beneath Ruapehu volcano: a possible eruption forecasting tool. *Science*, **2004**, 306, 1543-7 | 33.3 | 112 |
| 40 | Strain modelling, seismic anisotropy and coupling at strike-slip boundaries: applications in New Zealand and the San Andreas fault. *Geological Society Special Publication*, **2004**, 227, 9-39 | 1.7 | 11 |
| 39 | Modelling shear wave splitting observations from Wellington, New Zealand. *Geophysical Journal International*, **2004**, 157, 853-864 | 2.6 | 17 |
| 38 | Anisotropic structure under a back arc spreading region, the Taupo Volcanic Zone, New Zealand. *Journal of Geophysical Research*, **2004**, 109, | | 58 |
| 37 | Shear-wave splitting variations across an array in the southern North Island, New Zealand. *Geophysical Research Letters*, **2004**, 31, n/a-n/a | 4.9 | 7 |
| 36 | Geographical distributions of prospective foreshock probabilities in New Zealand. *New Zealand Journal of Geology, and Geophysics*, **2004**, 47, 327-339 | 1.6 | 4 |
| 35 | Absent anisotropy: The paradox of the Southern Alps orogen. *Geophysical Research Letters*, **2003**, 30, | 4.9 | 10 |
| 34 | Relationship between crustal finite strain and seismic anisotropy in the mantle, Pacific-Australia plate boundary zone, South Island, New Zealand. *Geophysical Journal International*, **2002**, 151, 106-116 | 2.6 | 47 |
| 33 | Seismic Anisotropy and Mantle Deformation in the Western United States and Southwestern Canada. *International Geology Review*, **2002**, 44, 913-937 | 2.3 | 9 |
| 32 | The 1992 Little Skull Mountain Earthquake Sequence, Southern Nevada Test Site. *Bulletin of the Seismological Society of America*, **2001**, 91, 1595-1606 | 2.3 | 12 |
| 31 | Changes in seismic anisotropy after volcanic eruptions: evidence from Mount Ruapehu. *Science*, **2001**, 293, 2231-3 | 33.3 | 83 |
| 30 | Distribution of seismic anisotropy in the subduction zone beneath the Wellington region, New Zealand. *Geophysical Journal International*, **2000**, 140, 1-10 | 2.6 | 52 |
| 29 | Seismic anisotropy and mantle flow from the Great Basin to the Great Plains, western United States. *Journal of Geophysical Research*, **2000**, 105, 13715-13734 | | 72 |
| 28 | Foreshock probabilities in New Zealand. *New Zealand Journal of Geology, and Geophysics*, **2000**, 43, 461-469 | 1.6 | 10 |

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|---|---|---|---|
| 27 | Seismic anisotropy from local earthquakes in the transition region from a subduction to a strike-slip plate boundary, New Zealand. *Journal of Geophysical Research*, **2000**, 105, 8013-8033 | | 55 |
| 26 | Continuous deformation versus faulting through the continental lithosphere of new zealand. *Science*, **1999**, 286, 516-9 | 33.3 | 120 |
| 25 | Seismic anisotropy and mantle deformation: What have we learned from shear wave splitting?. *Reviews of Geophysics*, **1999**, 37, 65-106 | 23.1 | 887 |
| 24 | Upper mantle anisotropy in the New Zealand Region. *Geophysical Research Letters*, **1999**, 26, 1497-1500 | 4.9 | 70 |
| 23 | Seismic anisotropy beneath the lower half of the North Island, New Zealand. *Journal of Geophysical Research*, **1999**, 104, 20277-20286 | | 56 |
| 22 | Lower crustal anisotropy or dipping boundaries? Effects on receiver functions and a case study in New Zealand. *Journal of Geophysical Research*, **1998**, 103, 15069-15087 | | 217 |
| 21 | Frequency-dependent anisotropy in Wellington, New Zealand. *Geophysical Research Letters*, **1997**, 24, 3297-3300 | 4.9 | 92 |
| 20 | Contrasting lithospheric structure between the Colorado Plateau and Great Basin: Initial results from Colorado Plateau - Great Basin PASSCAL Experiment. *Geophysical Research Letters*, **1997**, 24, 2609-2612 | 4.9 | 24 |
| 19 | Shear wave splitting across the Rocky Mountain Front. *Geophysical Research Letters*, **1996**, 23, 2267-2270 | 4.9 | 29 |
| 18 | Passive seismic imaging using microearthquakes. *Geophysics*, **1995**, 60, 1178-1186 | 3.1 | 38 |
| 17 | Strong Ground motions in North America from the Bolivia Earthquake of June 9, 1994 (Mw=8.3). *Geophysical Research Letters*, **1995**, 22, 2293-2296 | 4.9 | 9 |
| 16 | Shear-wave splitting beneath western United States in relation to plate tectonics. *Journal of Geophysical Research*, **1995**, 100, 18135-18149 | | 93 |
| 15 | A local-magnitude scale for the western Great Basin-eastern Sierra Nevada from synthetic Wood-Anderson seismograms. *Bulletin of the Seismological Society of America*, **1995**, 85, 1236-1243 | 2.3 | 21 |
| 14 | Receiver Function Inversion Using Genetic Algorithms **1995**, 583-588 | | 0 |
| 13 | Double-layer anisotropy resolved fromSphases. *Geophysical Journal International*, **1994**, 117, 653-664 | 2.6 | 55 |
| 12 | The Interpretation of Shear-Wave Splitting Parameters In the Presence of Two Anisotropic Layers. *Geophysical Journal International*, **1994**, 119, 949-963 | 2.6 | 441 |
| 11 | Earthquake refraction profiles of the root of the Sierra Nevada. *Tectonics*, **1994**, 13, 803-817 | 4.3 | 18 |
| 10 | Mantle deformation and tectonics: constraints from seismic anisotropy in the western United States. *Physics of the Earth and Planetary Interiors*, **1993**, 78, 207-227 | 2.3 | 153 |

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| 9 | Reply to comment by C. H. Thurber on “A search for seismic reflections from the top of the oceanic crust beneath Hawaii” *Bulletin of the Seismological Society of America*, **1991**, 81, 1035-1041 | 2.3 | 1 |
| 8 | Observations of teleseismic shear-wave splitting in the basin and range from portable and permanent stations. *Geophysical Research Letters*, **1990**, 17, 21-24 | 4.9 | 64 |
| 7 | Shear wave anisotropy and stress direction in and near Long Valley Caldera, California, 1979–1988. *Journal of Geophysical Research*, **1990**, 95, 11165 | | 74 |
| 6 | Shear-wave anisotropy of active tectonic regions via automated S-wave polarization analysis. *Tectonophysics*, **1989**, 165, 279-292 | 3.1 | 67 |
| 5 | Comment on “Apparent stresses, stress drops, and amplitude ratios of earthquakes preceding and following the 1975 Hawaii MS = 7.2 main shock” by F. R. Zuñiga, M. Wyss, and M. E. Wilson. *Bulletin of the Seismological Society of America*, **1989**, 79, 1300-1304 | 2.3 | 2 |
| 4 | Aftershocks of an M = 4.2 earthquake in Hawaii and comparison with long-term studies of the same volume. *Bulletin of the Seismological Society of America*, **1985**, 75, 759-777 | 2.3 | 10 |
| 3 | Calculations on the effect of the surface potential barrier in LEED. *Surface Science*, **1981**, 108, 435-445 | 1.8 | 73 |
| 2 | Continuous tremor activity with stable polarization direction following the 2014 large slow slip event in the Hikurangi subduction margin offshore New Zealand. *Journal of Geophysical Research: Solid Earth*,e2021JB022161 | 3.6 | 1 |
| 1 | Taupō inflate: illustrating detection limits of magmatic inflation below Lake Taupō *New Zealand Journal of Geology, and Geophysics*,1-18 | 1.6 | 0 |