

# Carl Tape

## List of Publications by Year in descending order

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52  
papers

3,071  
citations

279778

23  
h-index

182417

51  
g-index

55  
all docs

55  
docs citations

55  
times ranked

2001  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strong Upperâ€Plate Heterogeneity at the Hikurangi Subduction Margin (North Island, New Zealand) Imaged by Adjoint Tomography. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	4
2	Spectral Element Modeling of Acoustic to Seismic Coupling Over Topography. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	16
3	Adjoint tomography of the Italian lithosphere. <i>Communications Earth &amp; Environment</i> , 2022, 3, .	6.8	7
4	Aftershock Regions of Aleutianâ€Alaska Megathrust Earthquakes, 1938â€2021. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	4
5	Two Complementary Methods of Inferring Elastic Symmetry. <i>Journal of Elasticity</i> , 2022, 150, 91-118.	1.9	1
6	Elastic symmetry with beachball pictures. <i>Geophysical Journal International</i> , 2021, 227, 970-1003.	2.4	2
7	Anisotropy Variations in the Alaska Subduction Zone Based on Shearâ€Wave Splitting From Intraslab Earthquakes. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009558.	2.5	7
8	Groundâ€Motion Amplification in Cook Inlet Region, Alaska, from Intermediateâ€Depth Earthquakes, Including the 2018 Mw7.1 Anchorage Earthquake. <i>Seismological Research Letters</i> , 2020, 91, 142-152.	1.9	17
9	The 30 November 2018 Mw7.1 Anchorage Earthquake. <i>Seismological Research Letters</i> , 2020, 91, 66-84.	1.9	29
10	Seismic Response of Cook Inlet Sedimentary Basin, Southern Alaska. <i>Seismological Research Letters</i> , 2020, 91, 33-55.	1.9	10
11	Recording the Aurora at Seismometers across Alaska. <i>Seismological Research Letters</i> , 2020, 91, 3039-3053.	1.9	8
12	3D Seismic Velocity Models for Alaska from Joint Tomographic Inversion of Body-Wave and Surface-Wave Data. <i>Seismological Research Letters</i> , 2020, 91, 3106-3119.	1.9	21
13	An automated workflow for adjoint tomographyâ€ waveform misfits and synthetic inversions for the North Island, New Zealand. <i>Geophysical Journal International</i> , 2020, 223, 1461-1480.	2.4	8
14	Shear Wave Splitting and Mantle Flow Beneath Alaska. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018329.	3.4	16
15	Ultraâ€long Duration of Seismic Ground Motion Arising From a Thick, Lowâ€Velocity Sedimentary Wedge. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 10347-10359.	3.4	31
16	Square-root variable metric based elastic full-waveform inversion â€ Part 1: theory and validation. <i>Geophysical Journal International</i> , 2019, 218, 1121-1135.	2.4	12
17	Seismic Noise in Central Alaska and Influences From Rivers, Wind, and Sedimentary Basins. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 11678-11704.	3.4	30
18	The eigenvalue lune as a window on moment tensors. <i>Geophysical Journal International</i> , 2019, 216, 19-33.	2.4	10

#	ARTICLE	IF	CITATIONS
19	Estimation of Full Moment Tensors, Including Uncertainties, for Nuclear Explosions, Volcanic Events, and Earthquakes. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 5099-5119.	3.4	24
20	Full Moment Tensor Analysis of Nuclear Explosions in North Korea. <i>Seismological Research Letters</i> , 2018, 89, 2139-2151.	1.9	25
21	Single-Frequency Instantaneous GNSS Velocities Resolve Dynamic Ground Motion of the 2016 Mw 7.1 Iniskin, Alaska, Earthquake. <i>Seismological Research Letters</i> , 2018, 89, 1040-1048.	1.9	25
22	seismo€live: An Educational Online Library of Jupyter Notebooks for Seismology. <i>Seismological Research Letters</i> , 2018, 89, 2413-2419.	1.9	7
23	Crustal earthquakes in the Cook Inlet and Susitna region of southern Alaska. <i>Tectonophysics</i> , 2018, 745, 245-263.	2.2	15
24	Refined crustal and uppermost mantle structure of southern California by ambient noise adjoint tomography. <i>Geophysical Journal International</i> , 2018, 215, 844-863.	2.4	28
25	Earthquake nucleation and fault slip complexity in the lower crust of central Alaska. <i>Nature Geoscience</i> , 2018, 11, 536-541.	12.9	90
26	Multipathing Rayleigh Waves From Long-Distance Noise Cross Correlation Along an Ocean-Continent Boundary (Alaska to California). <i>Geophysical Research Letters</i> , 2018, 45, 6051-6060.	4.0	6
27	Volume in moment tensor space in terms of distance. <i>Geophysical Journal International</i> , 2017, 210, 406-419.	2.4	3
28	Southern Alaska Lithosphere and Mantle Observation Network (SALMON): A Seismic Experiment Covering the Active Arc by Road, Boat, Plane, and Helicopter. <i>Seismological Research Letters</i> , 2017, 88, 1185-1202.	1.9	23
29	The 1904 $M_s$ 7.3 Earthquake in Central Alaska. <i>Bulletin of the Seismological Society of America</i> , 2017, 107, 1147-1174.	2.3	3
30	Ten kilometer vertical Moho offset and shallow velocity contrast along the Denali fault zone from double-difference tomography, receiver functions, and fault zone head waves. <i>Tectonophysics</i> , 2017, 721, 56-69.	2.2	40
31	Full moment tensors for small events ( $M_w < 3$ ) at Uturuncu volcano, Bolivia. <i>Geophysical Journal International</i> , 2016, 206, 1761-1783.	2.4	27
32	Seismic moment tensors and estimated uncertainties in southern Alaska. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 2772-2797.	3.4	32
33	A confidence parameter for seismic moment tensors. <i>Geophysical Journal International</i> , 2016, 205, 938-953.	2.4	13
34	Unified Structural Representation of the southern California crust and upper mantle. <i>Earth and Planetary Science Letters</i> , 2015, 415, 1-15.	4.4	149
35	A uniform parametrization of moment tensors. <i>Geophysical Journal International</i> , 2015, 202, 2074-2081.	2.4	44
36	Transtensional Tectonics of the Minto Flats Fault Zone and Nenana Basin, Central Alaska. <i>Bulletin of the Seismological Society of America</i> , 2015, 105, 2081-2100.	2.3	19

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37	Seismic velocity structure and anisotropy of the Alaska subduction zone based on surface wave tomography. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 8845-8865.	3.4	57
38	Earthquake nucleation and triggering on an optimally oriented fault. <i>Earth and Planetary Science Letters</i> , 2013, 363, 231-241.	4.4	47
39	The classical model for moment tensors. <i>Geophysical Journal International</i> , 2013, 195, 1701-1720.	2.4	36
40	Angle between principal axis triples. <i>Geophysical Journal International</i> , 2012, 191, 813-831.	2.4	32
41	Rapid Estimation of Damage to Tall Buildings Using Near Real-Time Earthquake and Archived Structural Simulations. <i>Bulletin of the Seismological Society of America</i> , 2012, 102, 2646-2666.	2.3	5
42	Estimating a Continuous Moho Surface for the California Unified Velocity Model. <i>Seismological Research Letters</i> , 2012, 83, 728-735.	1.9	36
43	A geometric comparison of source-type plots for moment tensors. <i>Geophysical Journal International</i> , 2012, 190, 499-510.	2.4	34
44	A geometric setting for moment tensors. <i>Geophysical Journal International</i> , 2012, 190, 476-498.	2.4	100
45	Seismic tomography of the southern California crust based on spectral-element and adjoint methods. <i>Geophysical Journal International</i> , 2010, 180, 433-462.	2.4	321
46	Adjoint Tomography of the Southern California Crust. <i>Science</i> , 2009, 325, 988-992.	12.6	404
47	An automated time-window selection algorithm for seismic tomography. <i>Geophysical Journal International</i> , 2009, 178, 257-281.	2.4	135
48	Multiscale estimation of GPS velocity fields. <i>Geophysical Journal International</i> , 2009, 179, 945-971.	2.4	63
49	Finite-frequency tomography using adjoint methods-Methodology and examples using membrane surface waves. <i>Geophysical Journal International</i> , 2007, 168, 1105-1129.	2.4	152
50	Surface wave tomography: global membrane waves and adjoint methods. <i>Geophysical Journal International</i> , 2007, 171, 1098-1117.	2.4	30
51	Seismic tomography, adjoint methods, time reversal and banana-doughnut kernels. <i>Geophysical Journal International</i> , 2004, 160, 195-216.	2.4	804
52	Bear Encounters with Seismic Stations in Alaska and Northwestern Canada. <i>Seismological Research Letters</i> , 0, , .	1.9	8