Jeffrey Park Or Jeff Park Or J Park

List of Publications by Year
in descending order

86 papers	5,519 citations	76326 40 h-index	79698 73 g-index
87 all docs	87 docs citations	87 times ranked	3578 citing authors

#	Article	IF	Citations
1	Seismic Anisotropy. , 2021, , 622-635.		0
2	Anisotropic Layering and Seismic Body Waves: Deformation Gradients, Initial S-Polarizations, and Converted-Wave Birefringence. Pure and Applied Geophysics, 2021, 178, 2001-2023.	1.9	4
3	Seismic Evidence of Midâ€Mantle Water Transport Beneath the Yellowstone Region. Geophysical Research Letters, 2021, 48, e2021GL095838.	4.0	4
4	Love-to-Rayleigh scattering across the eastern North American passive margin. Tectonophysics, 2020, 776, 228321.	2.2	10
5	Deep mantle melting, global water circulation and its implications for the stability of the ocean mass. Progress in Earth and Planetary Science, 2020, 7, .	3.0	25
6	Why Is Crustal Underplating Beneath Many Hot Spot Islands Anisotropic?. Geochemistry, Geophysics, Geosystems, 2019, 20, 4779-4809.	2.5	13
7	Broader Impacts of the Metasomatic Underplating Hypothesis. Geochemistry, Geophysics, Geosystems, 2019, 20, 4810-4829.	2.5	12
8	Seismic evidence for water transport out of the mantle transition zone beneath the European Alps. Earth and Planetary Science Letters, 2018, 482, 93-104.	4.4	38
9	Densityâ€Pressure Profiles of Feâ€Bearing MgSiO₃ Liquid: Effects of Valence and Spin States, and Implications for the Chemical Evolution of the Lower Mantle. Geophysical Research Letters, 2018, 45, 3959-3966.	4.0	22
10	Seismic receiver function interpretation:Ps splitting or anisotropic underplating?. Geophysical Journal International, 2017, 208, 1332-1341.	2.4	25
11	Seismological detection of lowâ€velocity anomalies surrounding the mantle transition zone in Japan subduction zone. Geophysical Research Letters, 2016, 43, 2480-2487.	4.0	59
12	Reply to comment by Kawakatsu and Abe on â€œNature of the seismic lithosphereâ€asthenosphere boundary within normal oceanic mantle from highâ€resolution receiver functionsâ€• Geochemistry, Geophysics, Geosystems, 2016, 17, 3493-3501.	2.5	1
13	Nature of the seismic lithosphereâ€asthenosphere boundary within normal oceanic mantle from highâ€resolution receiver functions. Geochemistry, Geophysics, Geosystems, 2016, 17, 1265-1282.	2.5	36
14	Crustal anisotropy beneath <scp>P</scp>acific <scp>O</scp>ceanâ€<scp>I</scp>slands from harmonic decomposition of receiver functions. Geochemistry, Geophysics, Geosystems, 2016, 17, 810-832.	2.5	32
15	Mechanisms and geologic significance of the mid-lithosphere discontinuity in the continents. Nature Geoscience, 2015, 8, 509-514.	12.9	128
16	Crustal anisotropy in northeastern Tibetan Plateau inferred from receiver functions: Rock textures caused by metamorphic fluids and lower crust flow?. Tectonophysics, 2015, 661, 66-80.	2.2	37
17	Modal investigation of elastic anisotropy in shallow-water environments: Anisotropy beyond vertical transverse isotropy. Journal of the Acoustical Society of America, 2013, 134, 185-206.	1.1	9
18	A Dangling Slab, Amplified Arc Volcanism, Mantle Flow and Seismic Anisotropy in the Kamchatka Plate Corner. Geodynamic Series, 2013, , 295-324.	0.1	31

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19	Anisotropy gradients from QL surface waves: Evidence for vertically coherent deformation in the Tibet region. Tectonophysics, 2013, 608, 346-355.	2.2	11
20	PandSwave upper mantle seismic velocity structure beneath the northern Apennines: New evidence for the end of subduction. Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a.	2.5	35
21	Receiver function study of the Cascadia megathrust: Evidence for localized serpentinization. Geochemistry, Geophysics, Geosystems, 2009, 10, .	2.5	63
22	Structural features of the subducting slab beneath the Kii Peninsula, central Japan: Seismic evidence of slab segmentation, dehydration, and anisotropy. Journal of Geophysical Research, 2008, 113, .	3.3	74
23	Mantle wedge anisotropy in Southern Tyrrhenian Subduction Zone (Italy), from receiver function analysis. Tectonophysics, 2008, 462, 35-48.	2.2	25
24	Seismic anisotropy and geodynamics of the lithosphereâ€“asthenosphere system. Tectonophysics, 2008, 462, 1-6.	2.2	5
25	Crustal structure above a retreating trench: Receiver function study of the northern Apennines orogen. Earth and Planetary Science Letters, 2008, 275, 211-220.	4.4	25
26	Shear wave birefringence in wedge-shaped anisotropic regions. Geophysical Journal International, 2007, 168, 275-286.	2.4	28
27	Texture of mantle lithosphere along the Dead Sea Rift: Recently imposed or inherited?. Physics of the Earth and Planetary Interiors, 2006, 158, 174-189.	1.9	17
28	Hunting for oceanic island Moho. Geophysical Journal International, 2005, 160, 1020-1026.	2.4	52
29	Earth's Free Oscillations Excited by the 26 December 2004 Sumatra-Andaman Earthquake. Science, 2005, 308, 1139-1144.	12.6	231
30	Slab portal beneath the western Aleutians. Geology, 2005, 33, 253.	4.4	50
31	B-type olivine fabric in the mantle wedge: Insights from high-resolution non-Newtonian subduction zone models. Earth and Planetary Science Letters, 2005, 237, 781-797.	4.4	231
32	Global seismographic network records the Great Sumatra-Andaman earthquake. Eos, 2005, 86, 57.	0.1	53
33	Subduction zone anisotropy beneath Corvallis, Oregon: A serpentinite skid mark of trench-parallel terrane migration?. Journal of Geophysical Research, 2004, 109, .	3.3	72
34	Clouds and sulfate are anticorrelated: A new diagnostic for global sulfur models. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	52
35	Seismic Anisotropy: Tracing Plate Dynamics in the Mantle. Science, 2002, 296, 485-489.	12.6	205
36	Anisotropic seismic structure of the lithosphere beneath the Adriatic coast of Italy constrained with mode-converted body waves. Geophysical Research Letters, 2002, 29, 15-1-15-4.	4.0	21

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37	Crust and upper mantle of Kamchatka from teleseismic receiver functions. Tectonophysics, 2002, 358, 233-265.	2.2	84
38	Seismic evidence for catastrophic slab loss beneath Kamchatka. Nature, 2002, 418, 763-767.	27.8	180
39	Mantle flow at a slab edge: Seismic anisotropy in the Kamchatka Region. Geophysical Research Letters, 2001, 28, 379-382.	4.0	155
40	Receiver functions from regionalPwaves. Geophysical Journal International, 2001, 147, 1-11.	2.4	33
41	Thinning of the upper mantle during late Paleozoic Appalachian orogenesis. Geology, 2000, 28, 239.	4.4	32
42	Interannual Temperature Events and Shifts in Global Temperature: A â€œMultiwaveletâ€•Correlation Approach. Earth Interactions, 2000, 4, 1-36.	1.5	41
43	Shear zones in the Proterozoic lithosphere of the Arabian Shield and the nature of the Hales discontinuity. Tectonophysics, 2000, 323, 131-148.	2.2	97
44	No regional anisotropic domains in the northeastern U.S. Appalachians. Journal of Geophysical Research, 2000, 105, 19029-19042.	3.3	31
45	Oscillatory Spatiotemporal Signal Detection in Climate Studies: A Multiple-Taper Spectral Domain Approach. Advances in Geophysics, 1999, 41, 1-131.	2.8	117
46	Shear wave splitting in the Appalachians and the Urals: A case for multilayered anisotropy. Journal of Geophysical Research, 1999, 104, 17975-17993.	3.3	135
47	Regional metamorphic dehydration and seismic hazard. Geophysical Research Letters, 1998, 25, 4221-4224.	4.0	53
48	Quasi-Love phases between Tonga and Hawaii: Observations, simulations, and explanations. Journal of Geophysical Research, 1998, 103, 24321-24331.	3.3	44
49	P-SH Conversions in Layered Media with Hexagonally Symmetric Anisotropy: A CookBook. , 1998, , 669-697.		14
50	Crustal anisotropy in the Ural Mountains Foredeep from teleseismic receiver functions. Geophysical Research Letters, 1997, 24, 1283-1286.	4.0	98
51	P-SHconversions in a flat-layered medium with anisotropy of arbitrary orientation. Geophysical Journal International, 1997, 131, 253-266.	2.4	208
52	Free oscillations in an anisotropic earth: path-integral asymptotics. Geophysical Journal International, 1997, 129, 399-411.	2.4	26
53	Greenhouse warming and changes in the seasonal cycle of temperature: Model versus observations. Geophysical Research Letters, 1996, 23, 1111-1114.	4.0	98
54	joint Spatiotemporal Modes of Surface Temperature and Sea Level Pressure Variability in the Northern Hemisphere during the Last Century. Journal of Climate, 1996, 9, 2137-2162.	3.2	169

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55	Surface waves in layered anisotropic structures. Geophysical Journal International, 1996, 126, 173-183.	2.4	52
56	Multiwavelet spectral and polarization analyses of seismic records. Geophysical Journal International, 1995, 122, 1001-1021.	2.4	91
57	Global interdecadal and century-scale climate oscillations during the past five centuries. Nature, 1995, 378, 266-270.	27.8	229
58	Seismic wave theory in the US: 1991â€“1994. Reviews of Geophysics, 1995, 33, 335.	23.0	0
59	Mantle anisotropy beneath the Tibetan Plateau: evidence from long-period surface waves. Physics of the Earth and Planetary Interiors, 1995, 87, 231-246.	1.9	24
60	Multiple-taper spectral analysis: A stand-alone C-subroutine. Computers and Geosciences, 1995, 21, 199-236.	4.2	108
61	Hunting for azimuthal anisotropy beneath the Pacific Ocean region. Journal of Geophysical Research, 1994, 99, 15399.	3.3	59
62	Global-scale modes of surface temperature variability on interannual to century timescales. Journal of Geophysical Research, 1994, 99, 25819.	3.3	259
63	Anisotropy and the splitting of PS waves. Physics of the Earth and Planetary Interiors, 1994, 86, 263-276.	1.9	38
64	Born seismograms using coupled free oscillations: the effects of strong coupling and anisotropy. Geophysical Journal International, 1993, 115, 849-862.	2.4	13
65	Upper mantle anisotropy and coupled-mode long-period surface waves. Geophysical Journal International, 1993, 114, 473-489.	2.4	51
66	Plioâ€”Pleistocene time evolution of the 100â€kyr cycle in marine paleoclimate records. Journal of Geophysical Research, 1993, 98, 447-461.	3.3	58
67	Spatial correlations of interdecadal variation in global surface temperatures. Geophysical Research Letters, 1993, 20, 1055-1058.	4.0	68
68	The sensitivity of seismic free oscillations to upper mantle anisotropy 1. Zonal symmetry. Journal of Geophysical Research, 1993, 98, 19933-19949.	3.3	23
69	Anisotropy and coupled free oscillations: simplified models and surface wave observations. Geophysical Journal International, 1992, 110, 401-420.	2.4	69
70	Milankovitch rhythms in the Cretaceous: A GCM modelling study. Palaeogeography, Palaeoclimatology, Palaeoecology, 1991, 90, 329-355.	2.3	29
71	Milankovitch rhythms in the Cretaceous: A GCM modelling study. Global and Planetary Change, 1991, 4, 329-355.	3.5	14
72	Normal mode multiplet coupling along a dispersion branch. Geophysical Journal International, 1991, 106, 11-35.	2.4	19

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73	Radial mode observations from the 5/23/89 MacQuarie Ridge Earthquake. Geophysical Research Letters, 1990, 17, 1005-1008.	4.0	23
74	Observed envelopes of coupled seismic free oscillations. Geophysical Research Letters, 1990, 17, 1489-1492.	4.0	9
75	A comparison of precession and obliquity effects in a Cretaceous paleoclimate simulation. Geophysical Research Letters, 1990, 17, 1929-1932.	4.0	17
76	Effect of precessional insolation changes on Cretaceous climate and cyclic sedimentation. Journal of Geophysical Research, 1989, 94, 14793-14816.	3.3	41
77	Roughness constraints in surface wave tomography. Geophysical Research Letters, 1989, 16, 1329-1332.	4.0	13
78	Free-oscillation coupling theory. Modern Approaches in Geophysics, 1988, , 31-52.	0.1	1
79	Observations of free oscillation amplitude anomalies. Geophysical Research Letters, 1987, 14, 895-898.	4.0	11
80	Frequency dependent polarization analysis of highâ€frequency seismograms. Journal of Geophysical Research, 1987, 92, 12664-12674.	3.3	139
81	Multitaper spectral analysis of highâ€frequency seismograms. Journal of Geophysical Research, 1987, 92, 12675-12684.	3.3	323
82	Hunting for Paleoclimatic Periodicities in a Geologic Time Series With an Uncertain Time Scale. Journal of Geophysical Research, 1987, 92, 14027-14040.	3.3	96
83	Coupled free oscillations of an aspherical, dissipative, rotating Earth: Galerkin theory. Journal of Geophysical Research, 1986, 91, 7241-7260.	3.3	85
84	Synthetic seismograms from coupled free oscillations: Effects of lateral structure and rotation. Journal of Geophysical Research, 1986, 91, 6441-6464.	3.3	78
85	Observations of coupled spheroidal and toroidal modes. Journal of Geophysical Research, 1983, 88, 10285-10298.	3.3	89
86	On the relative importance of the driving forces of plate motion. Geophysical Journal International, 1981, 67, 415-435.	2.4	21