

# Nikolas Christensen

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

3,139  
citations

430442

18  
h-index

676716

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

2461  
citing authors

#	ARTICLE	IF	CITATIONS
1	Poisson's ratio and crustal seismology. <i>Journal of Geophysical Research</i> , 1996, 101, 3139-3156.	3.3	1,352
2	Seismic evidence for overpressured subducted oceanic crust and megathrust fault sealing. <i>Nature</i> , 2009, 457, 76-78.	13.7	471
3	Serpentinites, Peridotites, and Seismology. <i>International Geology Review</i> , 2004, 46, 795-816.	1.1	280
4	The seismic velocity structure of a traverse through the Bay of Islands Ophiolite Complex, Newfoundland, An exposure of oceanic crust and upper mantle. <i>Journal of Geophysical Research</i> , 1978, 83, 805-817.	3.3	224
5	High pore pressures and porosity at 35 km depth in the Cascadia subduction zone. <i>Geology</i> , 2011, 39, 471-474.	2.0	184
6	Pore pressure and oceanic crustal seismic structure. <i>Geophysical Journal International</i> , 1984, 79, 411-423.	1.0	137
7	Upper crustal structure in Puget Lowland, Washington: Results from the 1998 Seismic Hazards Investigation in Puget Sound. <i>Journal of Geophysical Research</i> , 2001, 106, 13541-13564.	3.3	103
8	Nature of the low velocity zone in Cascadia from receiver function waveform inversion. <i>Earth and Planetary Science Letters</i> , 2012, 337-338, 25-38.	1.8	58
9	Seismic properties, density, and composition of the Icelandic crust near Reydarfjörður. <i>Journal of Geophysical Research</i> , 1982, 87, 6389-6395.	3.3	54
10	Ultrasonic P- and S-wave attenuation in oceanic basalt. <i>Geophysical Journal International</i> , 2001, 145, 172-186.	1.0	33
11	Lateral heterogeneity in the seismic structure of the oceanic crust inferred from velocity studies in the Bay of Islands ophiolite, Newfoundland. <i>Geophysical Journal International</i> , 1982, 68, 675-688.	1.0	32
12	Anisotropic effects of non-axial seismic wave propagation in foliated crustal rocks. <i>Geophysical Research Letters</i> , 2002, 29, 2-1.	1.5	27
13	Seismicity in Cascadia. <i>Lithos</i> , 2019, 332-333, 55-66.	0.6	26
14	Evaluation of intrinsic velocity-pressure trends from low-pressure P-wave velocity measurements in rocks containing microcracks. <i>Geophysical Journal International</i> , 2011, 185, 1312-1320.	1.0	23
15	Seismicity, Metamorphism, and Fluid Evolution Across the Northern Cascadia Fore Arc. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 1881-1897.	1.0	23
16	Compressional and shear wave velocities in South Island, New Zealand rocks and their application to the interpretation of seismological models of the New Zealand crust. <i>Geophysical Monograph Series</i> , 2007, , 123-155.	0.1	22
17	On corner frequencies, attenuation, and low-frequency earthquakes. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 543-557.	1.4	22
18	Seismic and laboratory constraints on crustal formation in a former continental arc (ACCRETE), Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	3.3	19

#	ARTICLE	IF	CITATIONS
19	Crustal anisotropy in a subduction zone forearc: Northern Cascadia. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 7058-7078.	1.4	17
20	The Northern Terminus of Cascadia Subduction. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018453.	1.4	13
21	Effects of pore pressure on compressional wave attenuation in a young oceanic basalt. <i>Geophysical Research Letters</i> , 1999, 26, 1321-1324.	1.5	10
22	A Double Difference Tomography Study of the Washington Forearc: Does Siletzia Control Crustal Seismicity?. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019750.	1.4	9
23	Constraints on Early Paleozoic deep-ocean oxygen concentrations from the iron geochemistry of the Bay of Islands ophiolite. <i>Geochemistry, Geophysics, Geosystems</i> , 0, , .	1.0	0