Robert Porritt

List of Publications by Year
in descending order

23 papers	672 citations	567281 15 h-index	642732 23 g-index
23 all docs	23 docs citations	23 times ranked	848 citing authors

#	Article	IF	Citations
1	Seismic imaging east of the Rocky Mountains with USArray. Earth and Planetary Science Letters, 2014, 402, 16-25.	4.4	93
2	Investigation of Cascadia segmentation with ambient noise tomography. Earth and Planetary Science Letters, 2011, 309, 67-76.	4.4	76
3	Seismic anisotropy beneath Cascadia and the Mendocino triple junction: Interaction of the subducting slab with mantle flow. Earth and Planetary Science Letters, 2010, 297, 627-632.	4.4	67
4	Seismic Imaging of the Alaska Subduction Zone: Implications for Slab Geometry and Volcanism. Geochemistry, Geophysics, Geosystems, 2018, 19, 4541-4560.	2.5	52
5	Multiscale crustal architecture of Alaska inferred from P receiver functions. Lithosphere, 2018, 10, 267-278.	1.4	43
6	Asthenospheric flow and lithospheric evolution near the Mendocino Triple Junction. Earth and Planetary Science Letters, 2012, 323-324, 60-71.	4.4	41
7	Continentâ€“arc collision in the Banda Arc imaged by ambient noise tomography. Earth and Planetary Science Letters, 2016, 449, 246-258.	4.4	33
8	Midcrustal Deformation in the Central Andes Constrained by Radial Anisotropy. Journal of Geophysical Research: Solid Earth, 2018, 123, 4798-4813.	3.4	33
9	Lithospheric architecture beneath <scp>H</scp>udson <scp>B</scp>ay. Geochemistry, Geophysics, Geosystems, 2015, 16, 2262-2275.	2.5	31
10	Updates to FuncLab, a Matlab based GUI for handling receiver functions. Computers and Geosciences, 2018, 111, 260-271.	4.2	26
11	Seismic anisotropy and slab dynamics from <i>SKS</i> splitting recorded in Colombia. Geophysical Research Letters, 2014, 41, 8775-8783.	4.0	25
12	On the validation of seismic imaging methods: Finite frequency or ray theory?. Geophysical Research Letters, 2015, 42, 323-330.	4.0	23
13	Slab pileup in the mantle transition zone and the 30 May 2015 Chichiâ€jima earthquake. Geophysical Research Letters, 2016, 43, 4905-4912.	4.0	21
14	Crustal structure across the eastern North American margin from ambient noise tomography. Geophysical Research Letters, 2017, 44, 6651-6657.	4.0	21
15	Tomographic Imaging of Slab Segmentation and Deformation in the Greater Antilles. Geochemistry, Geophysics, Geosystems, 2018, 19, 2292-2307.	2.5	21
16	Upper-plate structure in Ecuador coincident with the subduction of the Carnegie Ridge and the southern extent of large mega-thrust earthquakes. Geophysical Journal International, 2020, 220, 1965-1977.	2.4	15
17	Banda Arc Experimentâ€”Transitions in the Banda Arcâ€Australian Continental Collision. Seismological Research Letters, 2016, 87, 1417-1423.	1.9	14
18	Multiscale, radially anisotropic shear wave imaging of the mantle underneath the contiguous United States through joint inversion of USArray and global data sets. Geophysical Journal International, 2021, 226, 1730-1746.	2.4	12

#	ARTICLE	IF	CITATIONS
19	Global Travel Time Data Set From Adaptive Empirical Wavelet Construction. Geochemistry, Geophysics, Geosystems, 2019, 20, 2175-2198.	2.5	7
20	Relating seismicity to the velocity structure of the San Andreas Fault near Parkfield, CA. Geophysical Journal International, 2017, 209, 1740-1745.	2.4	6
21	Evidence of Dynamic Crustal Deformation in Tohoku, Japan, From Timeâ€Varying Receiver Functions. Tectonics, 2017, 36, 1934-1946.	2.8	5
22	Crustal Structure in Southeastern Texas From Joint Inversion of Ambient Seismic Noise and <i>P</i> to <i>S</i> Receiver Functions. Geochemistry, Geophysics, Geosystems, 2020, 21, e2019GC008866.	2.5	4
23	Characteristics of Seismicity in the Eagle Ford Shale Play, Southern Texas, Constrained by Earthquake Relocation and Centroid Moment Tensor Inversion. Seismological Research Letters, 2021, 92, 3504-3515.	1.9	3