

# Benjamin Heit

## List of Publications by Citations

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32  
papers

776  
citations

17  
h-index

27  
g-index

36  
ext. papers

913  
ext. citations

3.7  
avg, IF

3.37  
L-index

#	Paper	IF	Citations
32	An S receiver function analysis of the lithospheric structure in South America. <i>Geophysical Research Letters</i> , <b>2007</b> , 34,	4.9	86
31	The AlpArray Seismic Network: A Large-Scale European Experiment to Image the Alpine Orogen. <i>Surveys in Geophysics</i> , <b>2018</b> , 39, 1009-1033	7.6	79
30	Aftershock seismicity of the 27 February 2010 Mw 8.8 Maule earthquake rupture zone. <i>Earth and Planetary Science Letters</i> , <b>2012</b> , 317-318, 413-425	5.3	69
29	Evidence for a missing crustal root and a thin lithosphere beneath the Central Alborz by receiver function studies. <i>Geophysical Journal International</i> , <b>2009</b> , 177, 733-742	2.6	68
28	Teleseismic tomography of the southern Puna plateau in Argentina and adjacent regions. <i>Tectonophysics</i> , <b>2013</b> , 586, 65-83	3.1	57
27	Receiver function images from the Moho and the slab beneath the Altiplano and Puna plateaus in the Central Andes. <i>Geophysical Journal International</i> , <b>2009</b> , 177, 296-308	2.6	41
26	Seismicity and average velocities beneath the Argentine Puna Plateau. <i>Geophysical Research Letters</i> , <b>1999</b> , 26, 3025-3028	4.9	39
25	Crustal thickness estimation beneath the southern central Andes at 30°S and 36°S from Swave receiver function analysis. <i>Geophysical Journal International</i> , <b>2008</b> , 174, 249-254	2.6	37
24	More constraints to determine the seismic structure beneath the Central Andes at 21°S using teleseismic tomography analysis. <i>Journal of South American Earth Sciences</i> , <b>2008</b> , 25, 22-36	2	35
23	Central Andean mantle and crustal seismicity beneath the Southern Puna plateau and the northern margin of the Chilean-Pampean flat slab. <i>Tectonics</i> , <b>2014</b> , 33, 1636-1658	4.3	33
22	Structure of the crust and the lithosphere beneath the southern Puna plateau from teleseismic receiver functions. <i>Earth and Planetary Science Letters</i> , <b>2014</b> , 385, 1-11	5.3	26
21	Study of the lithospheric and upper-mantle discontinuities beneath eastern Asia by SS precursors. <i>Geophysical Journal International</i> , <b>2010</b> , 183, 252-266	2.6	24
20	Tearing of the mantle lithosphere along the intermediate-depth seismicity zone beneath the Gibraltar Arc: The onset of lithospheric delamination. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 4027-4035	4.9	21
19	Seismological Studies of the Central and Southern Andes <b>2006</b> , 443-457		21
18	Crustal thickness and Vp/Vs ratio in NW Namibia from receiver functions: Evidence for magmatic underplating due to mantle plume-crust interaction. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 3330-3337	4.9	18
17	Delamination of southern Puna lithosphere revealed by body wave attenuation tomography. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2014</b> , 119, 549-566	3.6	18
16	Velocity structure beneath the southern Puna plateau: Evidence for delamination. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2013</b> , 14, 4292-4305	3.6	18

15	A STEP fault in Central Betics, associated with lateral lithospheric tearing at the northern edge of the Gibraltar arc subduction system. <i>Earth and Planetary Science Letters</i> , <b>2018</b> , 486, 32-40	5.3	17
14	Receiver function images of the base of the lithosphere in the Alboran Sea region. <i>Geophysical Journal International</i> , <b>2011</b> , 187, 1019-1026	2.6	16
13	Seismic structure of the lithosphere beneath NW Namibia: Impact of the Tristan da Cunha mantle plume. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2017</b> , 18, 125-141	3.6	11
12	Connection between the Jurassic oceanic lithosphere of the Gulf of Cádiz and the Alboran slab imaged by Sp receiver functions. <i>Geology</i> , <b>2019</b> , 47, 227-230	5	9
11	Shear wave splitting and shear wave splitting tomography of the southern Puna plateau. <i>Geophysical Journal International</i> , <b>2014</b> , 199, 688-699	2.6	8
10	BRAVOSEIS: Geophysical investigation of rifting and volcanism in the Bransfield strait, Antarctica. <i>Journal of South American Earth Sciences</i> , <b>2020</b> , 104, 102834	2	8
9	The SWATH-D Seismological Network in the Eastern Alps. <i>Seismological Research Letters</i> , <b>2021</b> , 92, 1592-1609	3.6	6
8	Lithospheric Delamination Beneath the Southern Puna Plateau Resolved by Local Earthquake Tomography. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2020</b> , 125, e2019JB019040	3.6	3
7	Full Waveform Inversion Beneath the Central Andes: Insight Into the Dehydration of the Nazca Slab and Delamination of the Back-Arc Lithosphere. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2021</b> , 126, e2021JB021984	3.6	3
6	Moho and uppermost mantle structure in the Alpine area from S-to-P converted waves. <i>Solid Earth</i> , <b>2021</b> , 12, 2503-2521	3.3	2
5	Shallow intraplate seismicity in the Buenos Aires province (Argentina) and surrounding areas: is it related to the Quilmes Trough?. <i>Boletín De Geología</i> , <b>2020</b> , 42, 31-48	0.4	1
4	Back-Arc Extension of the Central Bransfield Basin Induced by Ridge-Trench Collision: Implications From Ambient Noise Tomography and Stress Field Inversion. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL05032	4.9	1
3	Preservation of the Iberian Tethys paleomargin beneath the eastern Betic mountain range. <i>Gondwana Research</i> , <b>2022</b> , 106, 237-246	5.1	0
2	Impact of the Juan Fernandez Ridge on the Pampean Flat Subduction Inferred From Full Waveform Inversion. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL095509	4.9	0
1	Controls on crustal seismicity segmentation on a local scale in the Southern Central Andes. <i>Journal of South American Earth Sciences</i> , <b>2022</b> , 116, 103778	2	0