Benjamin Heit

List of Publications by Year in Descending Order

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	Preservation of the Iberian Tethys paleomargin beneath the eastern Betic mountain range. *Gondwana Research*, **2022**, 106, 237-246	5.1	0
31	Controls on crustal seismicity segmentation on a local scale in the Southern Central Andes. *Journal of South American Earth Sciences*, **2022**, 116, 103778	2	0
30	Moho and uppermost mantle structure in the Alpine area from S-to-P converted waves. *Solid Earth*, **2021**, 12, 2503-2521	3.3	2
29	Impact of the Juan Fernandez Ridge on the Pampean Flat Subduction Inferred From Full Waveform Inversion. *Geophysical Research Letters*, **2021**, 48, e2021GL095509	4.9	0
28	Back-Arc Extension of the Central Bransfield Basin Induced by Ridge□Trench Collision: Implications From Ambient Noise Tomography and Stress Field Inversion. *Geophysical Research Letters*, **2021**, 48, e2021GL095032	4.9	1
27	Full Waveform Inversion Beneath the Central Andes: Insight Into the Dehydration of the Nazca Slab and Delamination of the Back-Arc Lithosphere. *Journal of Geophysical Research: Solid Earth*, **2021**, 126, e2021JB021984	3.6	3
26	The SWATH-D Seismological Network in the Eastern Alps. *Seismological Research Letters*, **2021**, 92, 1592-1609	3	6
25	Shallow intraplate seismicity in the Buenos Aires province (Argentina) and surrounding areas: is it related to the Quilmes Trough?. *Boletin De Geologia*, **2020**, 42, 31-48	0.4	1
24	BRAVOSEIS: Geophysical investigation of rifting and volcanism in the Bransfield strait, Antarctica. *Journal of South American Earth Sciences*, **2020**, 104, 102834	2	8
23	Lithospheric Delamination Beneath the Southern Puna Plateau Resolved by Local Earthquake Tomography. *Journal of Geophysical Research: Solid Earth*, **2020**, 125, e2019JB019040	3.6	3
22	Connection between the Jurassic oceanic lithosphere of the Gulf of C□iz and the Alboran slab imaged by Sp receiver functions. *Geology*, **2019**, 47, 227-230	5	9
21	The AlpArray Seismic Network: A Large-Scale European Experiment to Image the Alpine Orogen. *Surveys in Geophysics*, **2018**, 39, 1009-1033	7.6	79
20	A STEP fault in Central Betics, associated with lateral lithospheric tearing at the northern edge of the Gibraltar arc subduction system. *Earth and Planetary Science Letters*, **2018**, 486, 32-40	5.3	17
19	Seismic structure of the lithosphere beneath NW Namibia: Impact of the Tristan da Cunha mantle plume. *Geochemistry, Geophysics, Geosystems*, **2017**, 18, 125-141	3.6	11
18	Tearing of the mantle lithosphere along the intermediate-depth seismicity zone beneath the Gibraltar Arc: The onset of lithospheric delamination. *Geophysical Research Letters*, **2017**, 44, 4027-4035	4.9	21
17	Crustal thickness and Vp/Vs ratio in NW Namibia from receiver functions: Evidence for magmatic underplating due to mantle plume-crust interaction. *Geophysical Research Letters*, **2015**, 42, 3330-3337	4.9	18
16	Shear wave splitting and shear wave splitting tomography of the southern Puna plateau. *Geophysical Journal International*, **2014**, 199, 688-699	2.6	8

15	Central Andean mantle and crustal seismicity beneath the Southern Puna plateau and the northern margin of the Chilean-Pampean flat slab. *Tectonics*, **2014**, 33, 1636-1658	4.3	33
14	Delamination of southern Puna lithosphere revealed by body wave attenuation tomography. *Journal of Geophysical Research: Solid Earth*, **2014**, 119, 549-566	3.6	18
13	Structure of the crust and the lithosphere beneath the southern Puna plateau from teleseismic receiver functions. *Earth and Planetary Science Letters*, **2014**, 385, 1-11	5.3	26
12	Teleseismic tomography of the southern Puna plateau in Argentina and adjacent regions. *Tectonophysics*, **2013**, 586, 65-83	3.1	57
11	Velocity structure beneath the southern Puna plateau: Evidence for delamination. *Geochemistry, Geophysics, Geosystems*, **2013**, 14, 4292-4305	3.6	18
10	Aftershock seismicity of the 27 February 2010 Mw 8.8 Maule earthquake rupture zone. *Earth and Planetary Science Letters*, **2012**, 317-318, 413-425	5.3	69
9	Receiver function images of the base of the lithosphere in the Alboran Sea region. *Geophysical Journal International*, **2011**, 187, 1019-1026	2.6	16
8	Study of the lithospheric and upper-mantle discontinuities beneath eastern Asia by SS precursors. *Geophysical Journal International*, **2010**, 183, 252-266	2.6	24
7	Receiver function images from the Moho and the slab beneath the Altiplano and Puna plateaus in the Central Andes. *Geophysical Journal International*, **2009**, 177, 296-308	2.6	41
6	Evidence for a missing crustal root and a thin lithosphere beneath the Central Alborz by receiver function studies. *Geophysical Journal International*, **2009**, 177, 733-742	2.6	68
5	Crustal thickness estimation beneath the southern central Andes at 30°S and 36°S fromSwave receiver function analysis. *Geophysical Journal International*, **2008**, 174, 249-254	2.6	37
4	More constraints to determine the seismic structure beneath the Central Andes at 21°S using teleseismic tomography analysis. *Journal of South American Earth Sciences*, **2008**, 25, 22-36	2	35
3	An S receiver function analysis of the lithospheric structure in South America. *Geophysical Research Letters*, **2007**, 34,	4.9	86
2	Seismological Studies of the Central and Southern Andes **2006**, 443-457		21
1	Seismicity and average velocities beneath the Argentine Puna Plateau. *Geophysical Research Letters* , **1999**, 26, 3025-3028	4.9	39