Jordi Juli

List of Publications by Citations

60 papers	2,196 citations	24 h-index	46 g-index
66 ext. papers	2,488 ext. citations	2.9 avg, IF	4.97 L-index

#	Paper	IF	Citations
60	Joint inversion of receiver function and surface wave dispersion observations. *Geophysical Journal International*, **2000**, 143, 99-112	2.6	384
59	Crustal structure in Ethiopia and Kenya from receiver function analysis: Implications for rift development in eastern Africa. *Journal of Geophysical Research*, **2005**, 110,		146
58	Models of crustal thickness for South America from seismic refraction, receiver functions and surface wave tomography. *Tectonophysics*, **2013**, 609, 82-96	3.1	100
57	Lithospheric structure of the Arabian Shield from the joint inversion of receiver functions and surface-wave group velocities. *Tectonophysics*, **2003**, 371, 1-21	3.1	100
56	Structure of the crust beneath Cameroon, West Africa, from the joint inversion of Rayleigh wave group velocities and receiver functions. *Geophysical Journal International*, **2010**, 183, 1061-1076	2.6	96
55	Evidence for mafic lower crust in Tanzania, East Africa, from joint inversion of receiver functions and Rayleigh wave dispersion velocities. *Geophysical Journal International*, **2005**, 162, 555-569	2.6	83
54	Gravity derived Moho for South America. *Tectonophysics*, **2013**, 609, 456-467	3.1	80
53	Thin Lithosphere Beneath the Ethiopian Plateau Revealed by a Joint Inversion of Rayleigh Wave Group Velocities and Receiver Functions. *Journal of Geophysical Research*, **2007**, 112,		79
52	Crustal thickness map of Brazil: Data compilation and main features. *Journal of South American Earth Sciences*, **2013**, 43, 74-85	2	78
51	Low lower crustal velocity across Ethiopia: Is the Main Ethiopian Rift a narrow rift in a hot craton?. *Geochemistry, Geophysics, Geosystems*, **2009**, 10, n/a-n/a	3.6	71
50	Constraining velocity and density contrasts across the crust-mantle boundary with receiver function amplitudes. *Geophysical Journal International*, **2007**, 171, 286-301	2.6	71
49	Deep crustal structure of the Indian shield from joint inversion of P wave receiver functions and Rayleigh wave group velocities: Implications for Precambrian crustal evolution. *Journal of Geophysical Research*, **2009**, 114,		68
48	Thickness andVp/VsRatio Variation in the Iberian Crust. *Geophysical Journal International*, **2004**, 156, 59-72	2.6	61
47	Precambrian crustal structure in Africa and Arabia: Evidence lacking for secular variation. *Tectonophysics*, **2013**, 609, 250-266	3.1	52
46	Shear wave velocity structure of the lower crust in southern Africa: Evidence for compositional heterogeneity within Archaean and Proterozoic terrains. *Journal of Geophysical Research*, **2009**, 114,		50
45	Deep crustal structure of the Paran Basin from receiver functions and Rayleigh-wave dispersion: Evidence for a fragmented cratonic root. *Journal of Geophysical Research*, **2008**, 113,		48
44	Upper-mantle low-velocity zone structure beneath the Kaapvaal craton fromS-wave receiver functions. *Geophysical Journal International*, **2009**, 178, 1021-1027	2.6	45

43	Using S wave receiver functions to estimate crustal structure beneath ice sheets: An application to the Transantarctic Mountains and East Antarctic craton. *Geochemistry, Geophysics, Geosystems*, **2009**, 10, n/a-n/a	3.6	42
42	Moho depths and Poisson's ratios of Precambrian crust in East Africa: Evidence for similarities in Archean and Proterozoic crustal structure. *Earth and Planetary Science Letters*, **2012**, 355-356, 73-81	5.3	36
41	The mantle transition zone beneath West Antarctica: Seismic evidence for hydration and thermal upwellings. *Geochemistry, Geophysics, Geosystems*, **2015**, 16, 40-58	3.6	33
40	The lithospheric shear-wave velocity structure of Saudi Arabia: Young volcanism in an old shield. *Tectonophysics*, **2016**, 680, 8-27	3.1	27
39	The structure of the crust and uppermost mantle beneath Madagascar. *Geophysical Journal International*, **2017**, 210, 1525-1544	2.6	25
38	Crustal structure of Precambrian terranes in the southern African subcontinent with implications for secular variation in crustal genesis. *Geophysical Journal International*, **2015**, 202, 533-547	2.6	25
37	Crustal Vp-Vs ratios and thickness for Ross Island and the Transantarctic Mountain front, Antarctica. *Geophysical Journal International*, **2011**, 185, 85-92	2.6	24
36	Rayleigh-Wave, Group-Velocity Tomography of the Borborema Province, NE Brazil, from Ambient Seismic Noise. *Pure and Applied Geophysics*, **2015**, 172, 1429-1449	2.2	21
35	Source Mechanisms of Mine-Related Seismicity, Savuka Mine, South Africa. *Bulletin of the Seismological Society of America*, **2009**, 99, 2801-2814	2.3	21
34	Evaluation of Deep Sediment Velocity Structure in the New Madrid Seismic Zone. *Bulletin of the Seismological Society of America*, **2004**, 94, 334-340	2.3	21
33	Bulk crustal properties of the Borborema Province, NE Brazil, from P-wave receiver functions: Implications for models of intraplate Cenozoic uplift. *Tectonophysics*, **2015**, 644-645, 81-91	3.1	20
32	Shear wave velocity structure of the Bushveld Complex, South Africa. *Tectonophysics*, **2012**, 554-557, 83-104	3.1	19
31	Crustal structure of the Transantarctic Mountains, Ellsworth Mountains and Marie Byrd Land, Antarctica: constraints on shear wave velocities, Poisson's ratios and Moho depths. *Geophysical Journal International*, **2017**, 211, 1328-1340	2.6	19
30	Upper mantle anisotropy of the Borborema Province, NE Brazil: Implications for intra-plate deformation and sub-cratonic asthenospheric flow. *Tectonophysics*, **2015**, 657, 81-93	3.1	18
29	Probing the upper mantle transition zone under Africa with P520s conversions: Implications for temperature and composition. *Earth and Planetary Science Letters*, **2013**, 368, 151-162	5.3	17
28	Crustal structure of the eastern Borborema Province, NE Brazil, from the joint inversion of receiver functions and surface wave dispersion: Implications for plateau uplift. *Journal of Geophysical Research: Solid Earth*, **2015**, 120, 3848-3869	3.6	16
27	Upper and Middle Crustal Velocity Structure of the Colombian Andes From Ambient Noise Tomography: Investigating Subduction-Related Magmatism in the Overriding Plate. *Journal of Geophysical Research: Solid Earth*, **2018**, 123, 1459-1485	3.6	15
26	Lithospheric thinning under the Araripe Basin (NE Brazil) from a long-period magnetotelluric survey: Constraints for tectonic inversion. *Gondwana Research*, **2019**, 68, 174-184	5.1	15

25	Cratonic basin formation: a case study of the Parnaíba Basin of Brazil. *Geological Society Special Publication*, **2018**, 472, 1-15	1.7	15
24	Crustal architecture of the Borborema Province, NE Brazil, from receiver function CCP stacks: Implications for Mesozoic stretching and Cenozoic uplift. *Tectonophysics*, **2015**, 649, 68-80	3.1	14
23	ESTIMATES OF CRUSTAL AND LITHOSPHERIC THICKNESS IN SUB-SAHARAN AFRICA FROM S-WAVE RECEIVER FUNCTIONS. *South African Journal of Geology*, **2009**, 112, 229-240	1.6	14
22	An Updated Crustal Thickness Map of Central South America Based on Receiver Function Measurements in the Region of the Chaco, Pantanal, and Paraná Basins, Southwestern Brazil. *Journal of Geophysical Research: Solid Earth*, **2019**, 124, 8491-8505	3.6	13
21	Crustal thickness variations in northern Morocco. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		13
20	S-WAVE VELOCITY STRUCTURE OF THE CRUST AND UPPER MANTLE BENEATH KENYA IN COMPARISON TO TANZANIA AND ETHIOPIA: IMPLICATIONS FOR THE FORMATION OF THE EAST AFRICAN AND ETHIOPIAN PLATEAUS. *South African Journal of Geology*, **2009**, 112, 241-250	1.6	13
19	Seismic signature of intracrustal magmatic intrusions in the Eastern Betics (Internal Zone), SE Iberia. *Geophysical Research Letters*, **2005**, 32,	4.9	13
18	Normal thickness of the upper mantle transition zone in NE Brazil does not favour mantle plumes as origin for intraplate Cenozoic volcanism. *Geophysical Journal International*, **2014**, 199, 996-1005	2.6	11
17	Deviatoric Moment Tensor Solutions from Spectral Amplitudes in Surface Network Recordings: Case Study in São Caetano, Pernambuco, Brazil. *Bulletin of the Seismological Society of America*, **2017**, 107, 1495-1511	2.3	10
16	Crustal structure of Nigeria and Southern Ghana, West Africa from P-wave receiver functions. *Tectonophysics*, **2016**, 676, 250-260	3.1	10
15	Shear Velocity Structure Beneath Saudi Arabia From the Joint Inversion of P and S Wave Receiver Functions, and Rayleigh Wave Group Velocity Dispersion Data. *Journal of Geophysical Research: Solid Earth*, **2019**, 124, 4767-4787	3.6	7
14	Crustal structure of the Khartoum Basin, Sudan. *Tectonophysics*, **2013**, 593, 151-160	3.1	7
13	Deep crustal architecture of the Parnaíba basin of NE Brazil from receiver function analysis: implications for basin subsidence. *Geological Society Special Publication*, **2018**, 472, 83-100	1.7	7
12	A WADATI FILTER FOR MINE-INDUCED SEISMICITY. *South African Journal of Geology*, **2009**, 112, 371-380	1.6	4
11	Lithospheric and sublithospheric deformation under the Borborema Province of northeastern Brazil from receiver function harmonic stripping. *Solid Earth*, **2019**, 10, 893-905	3.3	4
10	Crustal and lithospheric structure of inactive volcanic arc terrains in Fiji. *Tectonophysics*, **2019**, 750, 394-403	3.1	3
9	Upper mantle structure of the Borborema Province, NE Brazil, from P-wave tomography: Implications for rheology and volcanism. *Geophysical Journal International*, **2018**,	2.6	3
8	Prominent thermal anomalies in the mantle transition zone beneath the Transantarctic Mountains. *Geology*, **2020**, 48, 748-752	5	2

List of Publications

7	Joint Inversion of High-Frequency Receiver Functions and Surface-Wave Dispersion: Case Study in the Parnaíba Basin of Northeast Brazil. *Bulletin of the Seismological Society of America*, **2020**, 110, 1372-1386	2.3	2
6	Joint Inversion of Receiver Functions and Surface-Wave Dispersion in the Pantanal Wetlands: Implications for Basin Formation. *Journal of Geophysical Research: Solid Earth*, **2020**, 125, e2019JB018337	3.6	2
5	Lithospheric structure of the western Borborema Province from receiver functions and surface-wave dispersion: Implications for basin inversion. *Tectonophysics*, **2021**, 816, 229024	3.1	2
4	Crustal seismic structure and anisotropy of Madagascar and southeastern Africa using receiver function harmonics: interplay of inherited local heterogeneities and current regional stress. *Geophysical Journal International*, **2021**, 226, 660-675	2.6	1
3	Ambient Noise Tomography with Short-Period Stations: Case Study in the Borborema Province. *Pure and Applied Geophysics*, **2021**, 178, 1709	2.2	0
2	Crustal and Upper-Mantle Structure Beneath Saudi Arabia from Receiver Functions and Surface Wave Analysis **2019**, 307-322		0
1	Joint inversion of receiver functions and surface wave dispersion in the Recôncavo-Tucano basin of NE Brazil: implications for basin formation. *Geophysical Journal International*, **2022**, 230, 317-333	2.6	0