Marcelo Peres Rocha

List of Publications by Year in Descending Order

22 papers	338 citations	9 h-index	18 g-index
25 ext. papers	422 ext. citations	2.7 avg, IF	3.25 L-index

#	Paper	IF	Citations
22	Refrapy: A Python program for seismic refraction data analysis. *Computers and Geosciences*, **2022**, 159, 105020	4.5	0
21	An exotic Cretaceous kimberlite linked to metasomatized lithospheric mantle beneath the southwestern margin of the São Francisco Craton, Brazil. *Geoscience Frontiers*, **2022**, 13, 101281	6	1
20	Lithospheric Architecture of the Paranapanema Block and Adjacent Nuclei Using Multiple-Frequency P-Wave Seismic Tomography. *Journal of Geophysical Research: Solid Earth*, **2021**, 126, e2020JB021183	3.6	1
19	Urban seismic monitoring in Brasília, Brazil. *PLoS ONE*, **2021**, 16, e0253610	3.7	1
18	Mantle dynamics of the Andean Subduction Zone from continent-scale teleseismic S-wave tomography. *Geophysical Journal International*, **2020**, 224, 1553-1571	2.6	5
17	Detailed Structure of the Subducted Nazca Slab into the Lower Mantle Derived From Continent-Scale Teleseismic P Wave Tomography. *Journal of Geophysical Research: Solid Earth*, **2020**, 125, e2019JB017884	3.6	13
16	Lithospheric structure of the southern Amazonian Craton from multiple-frequency seismic tomography: Preliminary insights on tectonic and metallogenic implications. *Journal of South American Earth Sciences*, **2020**, 101, 102608	2	4
15	Delimiting the Neoproterozoic São Francisco Paleocontinental Block with P-wave traveltime tomography. *Geophysical Journal International*, **2019**, 219, 633-644	2.6	13
14	Teleseismic P Wave Tomography Beneath the Pantanal, Paraná and Chaco-Paraná Basins, SE South America: Delimiting Lithospheric Blocks of the SW Gondwana Assemblage. *Journal of Geophysical Research: Solid Earth*, **2019**, 124, 7120-7137	3.6	9
13	The Brazilian Seismographic Network (RSBR): Improving Seismic Monitoring in Brazil. *Seismological Research Letters*, **2018**, 89, 452-457	3	29
12	The forensic geophysical controlled research site of the University of Brasilia, Brazil: Results from methods GPR and electrical resistivity tomography. *Forensic Science International*, **2018**, 293, 101.e1-101.e21	2.6	7
11	Calibration of the local magnitude scale (M L) for Peru. *Journal of Seismology*, **2017**, 21, 987-999	1.5	4
10	Lithospheric Features of the São Francisco Craton. *Regional Geology Reviews*, **2017**, 15-25	2.5	7
9	Scalable compression of multibeam echo sounder data **2017**,		1
8	Causes of intraplate seismicity in central Brazil from travel time seismic tomography. *Tectonophysics*, **2016**, 680, 1-7	3.1	14
7	Study of iron deposit using seismic refraction and resistivity in Carajás Mineral Province, Brazil. *Journal of Applied Geophysics*, **2016**, 133, 116-122	1.7	5
6	Thin lithosphere between the Amazonian and São Francisco cratons, in central Brazil, revealed by seismic P-wave tomography. *Geophysical Journal International*, **2015**, 201, 61-69	2.6	16

5	Upper-mantle seismic structure beneath SE and Central Brazil from P- and S-wave regional traveltime tomography. *Geophysical Journal International*, **2011**, 184, 268-286	2.6	51
4	Identificação de embarcações em imagens aerotransportadas de radar de abertura sintética (R-99 SAR) na área marítima do Brasil. *Boletim De Ciencias Geodesicas*, **2011**, 17, 458-475	1.1	1
3	Deep crustal structure of the Paraná Basin from receiver functions and Rayleigh-wave dispersion: Evidence for a fragmented cratonic root. *Journal of Geophysical Research*, **2008**, 113,		48
2	Intraplate seismicity in SE Brazil: stress concentration in lithospheric thin spots. *Geophysical Journal International*, **2004**, 159, 390-399	2.6	69
1	Seismic studies of the Brasília fold belt at the western border of the São Francisco Craton, Central Brazil, using receiver function, surface-wave dispersion and teleseismic tomography. *Tectonophysics* , **2004**, 388, 173-185	3.1	39