Ebru BozdaÄ

List of Publications by Year
in descending order

29 papers	2,317 citations	430874 18 h-index	526287 27 g-index
29 all docs	29 docs citations	29 times ranked	1763 citing authors

#	Article	IF	Citations
1	Misfit functions for full waveform inversion based on instantaneous phase and envelope measurements. Geophysical Journal International, 2011, 185, 845-870.	2.4	334
2	Initial results from the InSight mission on Mars. Nature Geoscience, 2020, 13, 183-189.	12.9	274
3	Structure of the European upper mantle revealed by adjoint tomography. Nature Geoscience, 2012, 5, 493-498.	12.9	232
4	Constraints on the shallow elastic and anelastic structure of Mars from InSight seismic data. Nature Geoscience, 2020, 13, 213-220.	12.9	207
5	Global adjoint tomography: first-generation model. Geophysical Journal International, 2016, 207, 1739-1766.	2.4	194
6	Seismic structure of the European upper mantle based on adjoint tomography. Geophysical Journal International, 2015, 201, 18-52.	2.4	156
7	Thickness and structure of the martian crust from InSight seismic data. Science, 2021, 373, 438-443.	12.6	140
8	Global adjoint tomographyâ€"model GLAD-M25. Geophysical Journal International, 2020, 223, 1-21.	2.4	107
9	On crustal corrections in surface wave tomography. Geophysical Journal International, 2008, 172, 1066-1082.	2.4	93
10	Multiscale adjoint waveform tomography for surface and body waves. Geophysics, 2015, 80, R281-R302.	2.6	91
11	Planned Products of the Mars Structure Service for the InSight Mission to Mars. Space Science Reviews, 2017, 211, 611-650.	8.1	80
12	Seismic attenuation beneath Europe and the North Atlantic: Implications for water in the mantle. Earth and Planetary Science Letters, 2013, 381, 1-11.	4.4	69
13	Near real-time simulations of global CMT earthquakes. Geophysical Journal International, 2010, 183, 381-389.	2.4	60
14	Anelastic sensitivity kernels with parsimonious storage for adjoint tomography and full waveform inversion. Geophysical Journal International, 2016, 206, 1467-1478.	2.4	57
15	An Adaptable Seismic Data Format. Geophysical Journal International, 2016, 207, 1003-1011.	2.4	46
16	Balancing unevenly distributed data in seismic tomography: a global adjoint tomography example. Geophysical Journal International, 2019, 219, 1225-1236.	2.4	28
17	Horizontally orthogonal distributed acoustic sensing array for earthquake- and ambient-noise-based multichannel analysis of surface waves. Geophysical Journal International, 2020, 222, 2147-2161.	2.4	27
18	Estimation of site amplifications from shear-wave velocity profiles in YeÅŸilyurt and AvcÄ±lar, Istanbul, by frequencyâ€"wavenumber analysis of microtremors. Journal of Seismology, 2005, 9, 87-98.	1.3	19

#	Article	IF	Citations
19	Simulations of Seismic Wave Propagation on Mars. Space Science Reviews, 2017, 211, 571-594.	8.1	19
20	Assessment of tomographic mantle models using spectral element seismograms. Geophysical Journal International, 2010, 180, 1187-1199.	2.4	18
21	The exponentiated phase measurement, and objective-function hybridization for adjoint waveform tomography. Geophysical Journal International, 2020, 221, 1145-1164.	2.4	17
22	Automated time-window selection based on machine learning for full-waveform inversion. , 2017, , .		11
23	Seismic Velocity Variations in a 3D Martian Mantle: Implications for the InSight Measurements. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006755.	3.6	10
24	Sensitivity analysis of seismic waveforms to upper-mantle discontinuities using the adjoint method. Geophysical Journal International, 2017, 210, 1965-1980.	2.4	9
25	Adjoint Waveform Tomography of South America. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	9
26	Double-difference measurements in global full-waveform inversions. Geophysical Journal International, 2020, 220, 661-680.	2.4	6
27	SphGLLTools: A toolbox for visualization of large seismic model files based on 3D spectral-element meshes. Computers and Geosciences, 2022, 159, 105007.	4.2	3
28	Local Coupling and Conversion of Surface Waves due to Earthâ€™s Rotation. Part 2: Numerical Examples. Geophysical Journal International, 2020, , .	2.4	1
29	A New Generation of Earth Mantle Model from Global Adjoint Tomography. Acta Geologica Sinica, 2019, 93, 140-140.	1.4	0