

Ingi Th Bjarnason

List of Publications by Year in descending order

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19
papers

1,373
citations

623734

14
h-index

839539

18
g-index

22
all docs

22
docs citations

22
times ranked

865
citing authors

#	ARTICLE	IF	CITATIONS
1	Seismic structure of the Iceland mantle plume. <i>Nature</i> , 1997, 385, 245-247.	27.8	448
2	Seismic evidence for a lower-mantle origin of the Iceland plume. <i>Nature</i> , 1998, 395, 62-65.	27.8	214
3	Tomographic image of the Mid-Atlantic Plate Boundary in southwestern Iceland. <i>Journal of Geophysical Research</i> , 1993, 98, 6607-6622.	3.3	163
4	Crustal structure above the Iceland mantle plume imaged by the ICEMELT refraction profile. <i>Geophysical Journal International</i> , 1998, 135, 1131-1149.	2.4	126
5	Seismic evidence for a tilted mantle plume and north-south mantle flow beneath Iceland. <i>Earth and Planetary Science Letters</i> , 2002, 197, 261-272.	4.4	76
6	Initial results from the ICEMELT Experiment: Body-wave delay times and shear-wave splitting across Iceland. <i>Geophysical Research Letters</i> , 1996, 23, 459-462.	4.0	52
7	Reinterpretation of the RRISP-77 Iceland shear-wave profiles. <i>Geophysical Journal International</i> , 1996, 126, 166-172.	2.4	49
8	Hot mantle transition zone beneath Iceland and the adjacent Mid-Atlantic Ridge inferred from P-to-S conversions at the 410- and 660-km discontinuities. <i>Geophysical Research Letters</i> , 1996, 23, 3527-3530.	4.0	43
9	Temperature and melting of a ridge-centred plume with application to Iceland. Part II: Predictions for electromagnetic and seismic observables. <i>Geophysical Journal International</i> , 2004, 159, 1097-1111.	2.4	38
10	The lithosphere and asthenosphere of the Iceland hotspot from surface waves. <i>Geophysical Journal International</i> , 2009, 178, 394-418.	2.4	36
11	Shear wave splitting across the Iceland hot spot: Results from the ICEMELT experiment. <i>Journal of Geophysical Research</i> , 2002, 107, ESE 23-1-ESE 23-12.	3.3	35
12	Source mechanism of the 1987 Vatnafjall Earthquake in south Iceland. <i>Journal of Geophysical Research</i> , 1991, 96, 4313-4324.	3.3	29
13	Assessing the depth resolution of tomographic models of upper mantle structure beneath Iceland. <i>Geophysical Research Letters</i> , 2002, 29, 1.	4.0	25
14	Application of the POCS inversion method to cross-borehole imaging. <i>Geophysics</i> , 1993, 58, 941-948.	2.6	17
15	Seismicity on Conjugate Faults in Álftus, South Iceland: Case Study of the 1998 Hjalliálftus Earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB019203.	3.4	8
16	Reply [to Comment on Tomographic image of the Mid-Atlantic plate boundary in southwestern Ireland by Ingi T. Bjarnason, William Menke, Alafur G. Flóvenz, and David Caress]. <i>Journal of Geophysical Research</i> , 1994, 99, 17915-17917.	3.3	6
17	Correction to Initial results from the ICEMELT Experiment: Body-wave delay times and shear-wave splitting across Iceland. <i>Geophysical Research Letters</i> , 1996, 23, 903-903.	4.0	6
18	Method to find the Minimum 1D Linear Gradient Model for Seismic Tomography. <i>Fundamenta Informaticae</i> , 2016, 146, 211-217.	0.4	2

#	ARTICLE	IF	CITATIONS
19	4-D Seismic Tomography for the Complex System of Strong Earthquakes: Formulation of a Problem. Emergence, Complexity and Computation, 2014, , 379-385.	0.3	0