

Lauren Waszek

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

371
citations

1040056

9
h-index

940533

16
g-index

20
all docs

20
docs citations

20
times ranked

256
citing authors

#	ARTICLE	IF	CITATIONS
1	Reconciling the hemispherical structure of Earth's inner core with its super-rotation. <i>Nature Geoscience</i> , 2011, 4, 264-267.	12.9	102
2	Distinct layering in the hemispherical seismic velocity structure of Earth's upper inner core. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	61
3	Global observations of reflectors in the mid-mantle with implications for mantle structure and dynamics. <i>Nature Communications</i> , 2018, 9, 385.	12.8	47
4	Constraints on Seismic Anisotropy in the Mantle Transition Zone From Long-Period SS Precursors. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 6779-6800.	3.4	29
5	A poorly mixed mantle transition zone and its thermal state inferred from seismic waves. <i>Nature Geoscience</i> , 2021, 14, 949-955.	12.9	25
6	<i>PKP</i> precursors: Implications for global scatterers. <i>Geophysical Research Letters</i> , 2015, 42, 3829-3838.	4.0	22
7	Anomalously strong observations of <i>PKiKP</i> / <i>PcP</i> amplitude ratios on a global scale. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 5175-5190.	3.4	16
8	A low attenuation layer in the Earth's uppermost inner core. <i>Geophysical Journal International</i> , 2013, 195, 2005-2015.	2.4	14
9	Seismic tomography of the uppermost inner core. <i>Earth and Planetary Science Letters</i> , 2019, 528, 115789.	4.4	13
10	Inner core structure behind the PKP core phase triplication. <i>Geophysical Journal International</i> , 2015, 201, 1657-1665.	2.4	8
11	Measuring the seismic velocity in the top 15 km of Earth's inner core. <i>Physics of the Earth and Planetary Interiors</i> , 2018, 274, 158-169.	1.9	8
12	Automatic Identification of Mantle Seismic Phases Using a Convolutional Neural Network. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091658.	4.0	7
13	3D transdimensional seismic tomography of the inner core. <i>Earth and Planetary Science Letters</i> , 2022, 593, 117688.	4.4	6
14	GrowYourIC: A Step Toward a Coherent Model of the Earth's Inner Core Seismic Structure. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 4016-4026.	2.5	5
15	A New Probe Into the Innermost Inner Core Anisotropy via the Global Coda-Correlation Wavefield. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	5
16	Observations of exotic inner core waves. <i>Geophysical Journal International</i> , 2015, 200, 1636-1650.	2.4	3
17	MANTLE REFLECTIVITY STRUCTURE BENEATH THE HAWAIIAN HOTSPOT. , 2017, , .		0
18	3-D synthetic modelling and observations of anisotropy effects on SS precursors: implications for mantle deformation in the transition zone. <i>Geophysical Journal International</i> , 2022, 229, 1212-1231.	2.4	0