

Antoine Mocquet

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,724
citations

516710

16
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

1421
citing authors

#	ARTICLE	IF	CITATIONS
1	Initial results from the InSight mission on Mars. <i>Nature Geoscience</i> , 2020, 13, 183-189.	12.9	274
2	SEIS: InSight's Seismic Experiment for Internal Structure of Mars. <i>Space Science Reviews</i> , 2019, 215, 12.	8.1	238
3	Constraints on the shallow elastic and anelastic structure of Mars from InSight seismic data. <i>Nature Geoscience</i> , 2020, 13, 213-220.	12.9	207
4	Geodesy constraints on the interior structure and composition of Mars. <i>Icarus</i> , 2011, 213, 451-472.	2.5	183
5	Computation of seismic profiles from mineral physics: the importance of the non-olivine components for explaining the 660 km depth discontinuity. <i>Physics of the Earth and Planetary Interiors</i> , 1998, 106, 275-298.	1.9	160
6	Oceanic lithosphere-asthenosphere boundary from surface wave dispersion data. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 1079-1093.	3.4	98
7	Atmospheric Science with InSight. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	88
8	Pre-mission InSights on the Interior of Mars. <i>Space Science Reviews</i> , 2019, 215, 1.	8.1	85
9	Planned Products of the Mars Structure Service for the InSight Mission to Mars. <i>Space Science Reviews</i> , 2017, 211, 611-650.	8.1	80
10	Verifying single-station seismic approaches using Earth-based data: Preparation for data return from the InSight mission to Mars. <i>Icarus</i> , 2015, 248, 230-242.	2.5	71
11	Interior structure of terrestrial planets: Modeling Mars' mantle and its electromagnetic, geodetic, and seismic properties. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	68
12	Subsurface Structure at the InSight Landing Site From Compliance Measurements by Seismic and Meteorological Experiments. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006387.	3.6	44
13	The Marsquake Service: Securing Daily Analysis of SEIS Data and Building the Martian Seismicity Catalogue for InSight. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	41
14	The deep interior of Venus, Mars, and the Earth: A brief review and the need for planetary surface-based measurements. <i>Planetary and Space Science</i> , 2011, 59, 1048-1061.	1.7	34
15	A Bayesian approach to infer radial models of temperature and anisotropy in the transition zone from surface wave dispersion curves. <i>Geophysical Journal International</i> , 2013, 195, 1165-1183.	2.4	24
16	MSS/1: Single-Station and Single-Event Marsquake Inversion. <i>Earth and Space Science</i> , 2020, 7, e2020EA001118.	2.6	16
17	RÅ%SIF-SI: A Distributed Information System for French Seismological Data. <i>Seismological Research Letters</i> , 2021, 92, 1832-1853.	1.9	9
18	The mantle transition zone dynamics as revealed through seismic anisotropy. <i>Tectonophysics</i> , 2021, 821, 229133.	2.2	4