

Clément Perrin

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

2,368
citations

331538

21
h-index

377752

34
g-index

40
all docs

40
docs citations

40
times ranked

1656
citing authors

#	ARTICLE	IF	CITATIONS
1	Initial results from the InSight mission on Mars. <i>Nature Geoscience</i> , 2020, 13, 183-189.	5.4	274
2	SEIS: InSight's Seismic Experiment for Internal Structure of Mars. <i>Space Science Reviews</i> , 2019, 215, 12.	3.7	238
3	Constraints on the shallow elastic and anelastic structure of Mars from InSight seismic data. <i>Nature Geoscience</i> , 2020, 13, 213-220.	5.4	207
4	The seismicity of Mars. <i>Nature Geoscience</i> , 2020, 13, 205-212.	5.4	194
5	Location of largest earthquake slip and fast rupture controlled by along-strike change in fault structural maturity due to fault growth. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 3666-3685.	1.4	175
6	Seismic detection of the martian core. <i>Science</i> , 2021, 373, 443-448.	6.0	169
7	The atmosphere of Mars as observed by InSight. <i>Nature Geoscience</i> , 2020, 13, 190-198.	5.4	161
8	Geology of the InSight landing site on Mars. <i>Nature Communications</i> , 2020, 11, 1014.	5.8	107
9	The Marsquake catalogue from InSight, sols 0-478. <i>Physics of the Earth and Planetary Interiors</i> , 2021, 310, 106595.	0.7	97
10	Pre-mission InSights on the Interior of Mars. <i>Space Science Reviews</i> , 2019, 215, 1.	3.7	85
11	Generic along-strike segmentation of far normal faults, East Africa: Implications on fault growth and stress heterogeneity on seismogenic fault planes. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 443-467.	1.0	83
12	Companion guide to the marsquake catalog from InSight, Sols 0-478: Data content and non-seismic events. <i>Physics of the Earth and Planetary Interiors</i> , 2021, 310, 106597.	0.7	64
13	Off-fault tip splay networks: A genetic and generic property of faults indicative of their long-term propagation. <i>Comptes Rendus - Geoscience</i> , 2016, 348, 52-60.	0.4	61
14	A Study of Daytime Convective Vortices and Turbulence in the Martian Planetary Boundary Layer Based on Half a Year of InSight Atmospheric Measurements and Large Eddy Simulations. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, .	1.5	45
15	Off-fault long-term damage: A condition to account for generic, triangular earthquake slip profiles. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 1476-1493.	1.0	44
16	First Focal Mechanisms of Marsquakes. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006546.	1.5	43
17	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.	3.7	41
18	Monitoring of Dust Devil Tracks Around the InSight Landing Site, Mars, and Comparison With In Situ Atmospheric Data. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087234.	1.5	30

#	ARTICLE	IF	CITATIONS
19	Recovering paleoearthquake slip record in a highly dynamic alluvial and tectonic region (Hope Fault,) Tj ETQq1 1 0.784314 rgBJ / Over	1.4	29
20	The Far Side of Mars: Two Distant Marsquakes Detected by InSight. The Seismic Record, 2022, 2, 88-99.	1.3	29
21	Vortex-dominated Aeolian Activity at InSight's Landing Site, Part 1: Multi-instrument Observations, Analysis, and Implications. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006757.	1.5	23
22	Geometry and Segmentation of Cerberus Fossae, Mars: Implications for Marsquake Properties. Journal of Geophysical Research E: Planets, 2022, 127, .	1.5	20
23	Repeated giant earthquakes on the Wairarapa fault, New Zealand, revealed by Lidar-based paleoseismology. Scientific Reports, 2020, 10, 2124.	1.6	19
24	Analyzing Low Frequency Seismic Events at Cerberus Fossae as Long Period Volcanic Quakes. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006518.	1.5	19
25	Seismic sources of InSight marsquakes and seismotectonic context of Elysium Planitia, Mars. Tectonophysics, 2022, 837, 229434.	0.9	18
26	Impact of erosion and décollements on large-scale faulting and folding in orogenic wedges: analogue models and case studies. Journal of the Geological Society, 2013, 170, 893-904.	0.9	17
27	Constraining Martian Regolith and Vortex Parameters From Combined Seismic and Meteorological Measurements. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006410.	1.5	16
28	The Shear Deformation Zone and the Smoothing of Faults With Displacement. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB020447.	1.4	14
29	Seasonal seismic activity on Mars. Earth and Planetary Science Letters, 2021, 576, 117171.	1.8	13
30	Persistent fine-scale fault structure and rupture development: A new twist in the Parkfield, California, story. Earth and Planetary Science Letters, 2019, 521, 128-138.	1.8	10
31	Estimation of the Seismic Moment Rate from an Incomplete Seismicity Catalog, in the Context of the InSight Mission to Mars. Bulletin of the Seismological Society of America, 2019, 109, 1125-1147.	1.1	7
32	Inferring Vortex and Dust Devil Statistics from InSight. Planetary Science Journal, 2021, 2, 206.	1.5	6
33	Characteristics and possible origins of the seismicity in northwestern France. Comptes Rendus - Geoscience, 2021, 353, 53-77.	0.4	2
34	New perspectives in studying active faults in metropolitan France: the "Active faults France" (FACT/ATS) research axis from the Resif-Epos consortium. Comptes Rendus - Geoscience, 2021, 353, 381-412.	0.4	2