Marie Calvet

List of Publications by Year
in descending order

34 papers	1,347 citations	361413 20 h-index	395702 33 g-index
36 all docs	36 docs citations	36 times ranked	1328 citing authors

#	Article	IF	Citations
1	Seasonal variations of subsurface seismic velocities monitored by the SEIS-InSight seismometer on Mars. Geophysical Journal International, 2022, 229, 776-799.	2.4	10
2	The Polarization of Ambient Noise on Mars. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006545.	3.6	33
3	Autocorrelation of the Ground Vibrations Recorded by the SEISâ€InSight Seismometer on Mars. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006498.	3.6	34
4	RÃ‰SIF-SI: A Distributed Information System for French Seismological Data. Seismological Research Letters, 2021, 92, 1832-1853.	1.9	9
5	Seismicity patterns in southwestern France. Comptes Rendus - Geoscience, 2021, 353, 79-104.	1.2	8
6	Energy Envelope and Attenuation Characteristics of High-Frequency (HF) and Very-High-Frequency (VF) Martian Events. Bulletin of the Seismological Society of America, 2021, 111, 3016-3034.	2.3	23
7	Constraints on the shallow elastic and anelastic structure of Mars from InSight seismic data. Nature Geoscience, 2020, 13, 213-220.	12.9	207
8	Shape preferred orientation of iron grains compatible with Earth's uppermost inner core hemisphericity. Earth and Planetary Science Letters, 2018, 481, 395-403.	4.4	7
9	Absolute earthquake locations using 3-D versus 1-D velocity models below a local seismic network: example from the Pyrenees. Geophysical Journal International, 2018, 212, 1806-1828.	2.4	22
10	Tomography of crustal seismic attenuation in Metropolitan France: implications for seismicity analysis. Bulletin of Earthquake Engineering, 2018, 16, 2195-2210.	4.1	25
11	Absence of Geometrical Regime for Impedanceâ€Type Elastic Scatterers. Bulletin of the Seismological Society of America, 2018, , .	2.3	0
12	Scattering attenuation profile of the Moon: Implications for shallow moonquakes and the structure of the megaregolith. Physics of the Earth and Planetary Interiors, 2017, 262, 28-40.	1.9	39
13	Seismic scattering and absorption mapping of debris flows, feeding paths, and tectonic units at Mount St. Helens volcano. Earth and Planetary Science Letters, 2016, 442, 21-31.	4.4	36
14	Impact of grain shape on seismic attenuation and phase velocity in cubic polycrystalline materials. Wave Motion, 2016, 65, 29-43.	2.0	15
15	Crustal structure of the Alps as seen by attenuation tomography. Earth and Planetary Science Letters, 2016, 439, 71-80.	4.4	46
16	Sensitivity kernels for coda-wave interferometry and scattering tomography: theory and numerical evaluation in two-dimensional anisotropically scattering media. Geophysical Journal International, 2016, 204, 650-666.	2.4	64
17	Deep Earth Structure: The Earthâ€™s Cores. , 2015, , 725-757.		23
18	SI-Hex: a new catalogue of instrumental seismicity for metropolitan France. Bulletin - Societie Geologique De France, 2015, 186, 3-19.	2.2	77

#	Article	IF	Citations
19	Sensitivity of coda waves to spatial variations of absorption and scattering: radiative transfer theory and 2-D examples. Geophysical Journal International, 2014, 197, 1117-1137.	2.4	45
20	On the possibility of lunar core phase detection using new seismometers for soft-landers in future lunar missions. Planetary and Space Science, 2013, 81, 18-31.	1.7	11
21	Spatial variations of seismic attenuation and heterogeneity in the Pyrenees: Coda Q and peak delay time analysis. Tectonophysics, 2013, 608, 428-439.	2.2	59
22	Lapse-Time Dependence of Coda Q: Anisotropic Multiple-Scattering Models and Application to the Pyrenees. Bulletin of the Seismological Society of America, 2013, 103, 1993-2010.	2.3	74
23	Velocity and attenuation of scalar and elastic waves in random media: A spectral function approach. Journal of the Acoustical Society of America, 2012, 131, 1843-1862.	1.1	47
24	Possible layering of mantle convection at the top of the Iceland Hotspot: a crosscheck between 3-D numerical models and gravimetric, seismic and petrological data. Geophysical Journal International, 2012, 188, 35-60.	2.4	3
25	Multimethod Characterization of the French-Pyrenean Valley of Bagneres-de-Bigorre for Seismic-Hazard Evaluation: Observations and Models. Bulletin of the Seismological Society of America, 2011, 101, 1912-1937.	2.3	18
26	Optimisation of seismic network design: Application to a geophysical international lunar network. Planetary and Space Science, 2011, 59, 343-354.	1.7	32
27	Lopsided Growth of Earth's Inner Core. Science, 2010, 328, 1014-1017.	12.6	189
28	Statistical study of seismic heterogeneities at the base of the mantle from PKP differential traveltimes. Geophysical Journal International, 2009, 179, 1607-1616.	2.4	12
29	Constraints on grain size and stable iron phases in the uppermost inner core from multiple scattering modeling of seismic velocity and attenuation. Earth and Planetary Science Letters, 2008, 267, 200-212.	4.4	42
30	Geophysical evidence of a missing lithospheric root beneath the Eastern Pyrenees: Consequences for post-orogenic uplift and associated geomorphic signatures. Earth and Planetary Science Letters, 2008, 276, 302-313.	4.4	65
31	P-wave propagation in transversely isotropic media. Physics of the Earth and Planetary Interiors, 2006, 156, 12-20.	1.9	20
32	P-wave propagation in transversely isotropic media. Physics of the Earth and Planetary Interiors, 2006, 156, 21-40.	1.9	30
33	Traveltime sensitivity kernels for PKP phases in the mantle. Physics of the Earth and Planetary Interiors, 2005, 153, 21-31.	1.9	13
34	Revisiting Multiple-Scattering Principles in a Crustal Waveguide: Equipartition, Depolarization and Coda Normalization. Pure and Applied Geophysics, 0, , .	1.9	4