

Philippe H LognonnÃ©

List of Publications by Year in descending order

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235
papers

11,043
citations

23500

58
h-index

40881

93
g-index

249
all docs

249
docs citations

249
times ranked

3842
citing authors

#	ARTICLE	IF	CITATIONS
1	The interaction between the SEIS seismometer of the InSight Martian mission and a regolith simulant. <i>Geotechnique</i> , 2024, 74, 42-53.	2.2	2
2	Seismic constraints from a Mars impact experiment using InSight and Perseverance. <i>Nature Astronomy</i> , 2022, 6, 59-64.	4.2	9
3	Geometry and Segmentation of Cerberus Fossae, Mars: Implications for Marsquake Properties. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	1.5	20
4	The Lunar Geophysical Network Landing Sites Science Rationale. <i>Planetary Science Journal</i> , 2022, 3, 40.	1.5	7
5	Seasonal variations of subsurface seismic velocities monitored by the SEIS-InSight seismometer on Mars. <i>Geophysical Journal International</i> , 2022, 229, 776-799.	1.0	10
6	The Far Side of Mars: Two Distant Marsquakes Detected by InSight. <i>The Seismic Record</i> , 2022, 2, 88-99.	1.3	29
7	An autonomous lunar geophysical experiment package (ALGEP) for future space missions. <i>Experimental Astronomy</i> , 2022, 54, 617-640.	1.6	2
8	InSight Constraints on the Global Character of the Martian Crust. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	1.5	45
9	Seismic sources of InSight marsquakes and seismotectonic context of Elysium Planitia, Mars. <i>Tectonophysics</i> , 2022, 837, 229434.	0.9	18
10	Evidence for crustal seismic anisotropy at the InSight lander site. <i>Earth and Planetary Science Letters</i> , 2022, 593, 117654.	1.8	21
11	Companion guide to the marsquake catalog from InSight, Sols 0â€“478: Data content and non-seismic events. <i>Physics of the Earth and Planetary Interiors</i> , 2021, 310, 106597.	0.7	64
12	The whirlwinds of Elysium: A catalog and meteorological characteristics of â€œdust devilâ€vortices observed by InSight on Mars. <i>Icarus</i> , 2021, 355, 114119.	1.1	20
13	The Marsquake catalogue from InSight, sols 0â€“478. <i>Physics of the Earth and Planetary Interiors</i> , 2021, 310, 106595.	0.7	97
14	Super High Frequency Events: A New Class of Events Recorded by the InSight Seismometers on Mars. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006599.	1.5	19
15	The Polarization of Ambient Noise on Mars. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006545.	1.5	33
16	Measuring Fundamental and Higher Mode Surface Wave Dispersion on Mars From Seismic Waveforms. <i>Earth and Space Science</i> , 2021, 8, e2020EA001263.	1.1	0
17	Highâ€Frequency Seismic Events on Mars Observed by InSight. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006670.	1.5	40
18	Constraining Martian Regolith and Vortex Parameters From Combined Seismic and Meteorological Measurements. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006410.	1.5	16

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19	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
20	Finding SEIS North on Mars: Comparisons Between SEIS Sundial, Inertial and Imaging Measurements and Consequences for Seismic Analysis. Earth and Space Science, 2021, 8, e2020EA001286.	1.1	3
21	Seismology on Venus with infrasound observations from balloon and orbit. , 2021, 53, .		0
22	Bayesian inversion of the Martian structure using geodynamic constraints. Geophysical Journal International, 2021, 226, 1615-1644.	1.0	12
23	â€œLand & Flyâ€•Methods for Effective, Future Lunar Exploration. , 2021, 53, .		0
24	New-Frontiers (NF) Class In-Situ Exploration of Venus: The Venus Climate and Geophysics Mission Concept. , 2021, 53, .		0
25	The scientific rationale for deployment of a long-lived geophysical network on the Moon. , 2021, 53, .		4
26	Autocorrelation of the Ground Vibrations Recorded by the SEISâ€•InSight Seismometer on Mars. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006498.	1.5	34
27	Listening for the Landing: Seismic Detections of Perseverance's Arrival at Mars With InSight. Earth and Space Science, 2021, 8, e2020EA001585.	1.1	5
28	A Comodulation Analysis of Atmospheric Energy Injection Into the Ground Motion at InSight, Mars. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006538.	1.5	33
29	First Focal Mechanisms of Marsquakes. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006546.	1.5	43
30	Magnitude Scales for Marsquakes Calibrated from InSight Data. Bulletin of the Seismological Society of America, 2021, 111, 3003-3015.	1.1	25
31	Vortexâ€•Dominated Aeolian Activity at InSight's Landing Site, Part 1: Multiâ€•Instrument Observations, Analysis, and Implications. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006757.	1.5	23
32	Seismic Noise Autocorrelations on Mars. Earth and Space Science, 2021, 8, e2021EA001755.	1.1	31
33	Thickness and structure of the martian crust from InSight seismic data. Science, 2021, 373, 438-443.	6.0	140
34	Forward Modeling of the Phobos Tides and Applications to the First Martian Year of the InSight Mission. Earth and Space Science, 2021, 8, e2021EA001669.	1.1	4
35	Upper mantle structure of Mars from InSight seismic data. Science, 2021, 373, 434-438.	6.0	105
36	Seismic detection of the martian core. Science, 2021, 373, 443-448.	6.0	169

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37	A Reconstruction Algorithm for Temporally Aliased Seismic Signals Recorded by the InSight Mars Lander. <i>Earth and Space Science</i> , 2021, 8, e2020EA001234.	1.1	6
38	Search for Infrasonic Signals in InSight Data Using Coupled Pressure/Ground Deformation Methods. <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 3055-3064.	1.1	8
39	The Site Tilt and Lander Transfer Function from the Short-Period Seismometer of InSight on Mars. <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 2889-2908.	1.1	7
40	Potential Pitfalls in the Analysis and Structural Interpretation of Seismic Data from the Mars InSight Mission. <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 2982-3002.	1.1	42
41	Improving Constraints on Planetary Interiors With PPs Receiver Functions. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006983.	1.5	34
42	Resonances and Lander Modes Observed by InSight on Mars (1â€“9ÂHz). <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 2924-2950.	1.1	30
43	Scattering Attenuation of the Martian Interior through Coda-Wave Analysis. <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 3035-3054.	1.1	17
44	Seasonal seismic activity on Mars. <i>Earth and Planetary Science Letters</i> , 2021, 576, 117171.	1.8	13
45	Seismic High-Resolution Acquisition Electronics for the NASA InSight Mission on Mars. <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 2909-2923.	1.1	17
46	Resonances of the InSight Seismometer on Mars. <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 2951-2963.	1.1	15
47	Energy Envelope and Attenuation Characteristics of High-Frequency (HF) and Very-High-Frequency (VF) Martian Events. <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 3016-3034.	1.1	23
48	Anatomy of Continuous Mars SEIS and Pressure Data from Unsupervised Learning. <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 2964-2981.	1.1	14
49	Numerical Simulations of the Apollo Sâ€™B Artificial Impacts on the Moon. <i>Earth and Space Science</i> , 2021, 8, e2021EA001887.	1.1	7
50	Questions to Heaven. <i>Astronomy and Geophysics</i> , 2021, 62, 6.22-6.25.	0.1	2
51	Introduction to the Special Issue on Mars Seismology. <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 2883-2888.	1.1	1
52	Crust stratigraphy and heterogeneities of the first kilometers at the dichotomy boundary in western Elysium Planitia and implications for InSight lander. <i>Icarus</i> , 2020, 338, 113511.	1.1	40
53	The Seismic Moment and Seismic Efficiency of Small Impacts on Mars. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006540.	1.5	16
54	Contributions of Space Missions to Better Tsunami Science: Observations, Models and Warnings. <i>Surveys in Geophysics</i> , 2020, 41, 1535-1581.	2.1	6

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55	A New Crater Near InSight: Implications for Seismic Impact Detectability on Mars. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006382.	1.5	24
56	Lunar Seismology: A Data and Instrumentation Review. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	59
57	Detection, Analysis, and Removal of Glitches From InSight's Seismic Data From Mars. <i>Earth and Space Science</i> , 2020, 7, e2020EA001317.	1.1	75
58	MSS/1: Single-Station and Single-Event Marsquake Inversion. <i>Earth and Space Science</i> , 2020, 7, e2020EA001118.	1.1	16
59	Geophysical Observations of Phobos Transits by InSight. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089099.	1.5	10
60	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.	1.5	44
61	Pressure Effects on the SEISâ€œInSight Instrument, Improvement of Seismic Records, and Characterization of Long Period Atmospheric Waves From Ground Displacements. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006278.	1.5	31
62	Lagrangianâ€œBased Simulations of Hypervelocity Impact Experiments on Mars Regolith Proxy. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087393.	1.5	7
63	Martian Infrasound: Numerical Modeling and Analysis of InSight's Data. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006376.	1.5	28
64	The Ionospheric view of the 2011 Tohoku-Oki earthquake seismic source: the first 60â€œseconds of the rupture. <i>Scientific Reports</i> , 2020, 10, 5232.	1.6	9
65	The InSight Blind Test: An Opportunity to Bring a Research Dataset into Teaching Programs. <i>Seismological Research Letters</i> , 2020, 91, 1064-1073.	0.8	0
66	Geology of the InSight landing site on Mars. <i>Nature Communications</i> , 2020, 11, 1014.	5.8	107
67	The atmosphere of Mars as observed by InSight. <i>Nature Geoscience</i> , 2020, 13, 190-198.	5.4	161
68	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
69	Crustal and time-varying magnetic fields at the InSight landing site on Mars. <i>Nature Geoscience</i> , 2020, 13, 199-204.	5.4	68
70	The seismicity of Mars. <i>Nature Geoscience</i> , 2020, 13, 205-212.	5.4	194
71	Onâ€œDeck Seismology: Lessons from InSight for Future Planetary Seismology. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006353.	1.5	25
72	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

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73	Initial results from the InSight mission on Mars. <i>Nature Geoscience</i> , 2020, 13, 183-189.	5.4	274
74	Lunar Seismology: An Update on Interior Structure Models. <i>Space Science Reviews</i> , 2019, 215, 1.	3.7	60
75	SEIS: Insight's Seismic Experiment for Internal Structure of Mars. <i>Space Science Reviews</i> , 2019, 215, 12.	3.7	238
76	Mars's Background Free Oscillations. <i>Space Science Reviews</i> , 2019, 215, 1.	3.7	7
77	Estimation of the Seismic Moment Rate from an Incomplete Seismicity Catalog, in the Context of the InSight Mission to Mars. <i>Bulletin of the Seismological Society of America</i> , 2019, 109, 1125-1147.	1.1	7
78	The rheology and thermal history of Mars revealed by the orbital evolution of Phobos. <i>Nature</i> , 2019, 569, 523-527.	13.7	39
79	Sparse Reconstruction of Aliased Seismic Signals Recorded During the InSight Mars Mission. , 2019, , .		1
80	High Precision SEIS Calibration for the InSight Mission and Its Applications. <i>Space Science Reviews</i> , 2019, 215, 1.	3.7	7
81	InSight Auxiliary Payload Sensor Suite (APSS). <i>Space Science Reviews</i> , 2019, 215, 1.	3.7	104
82	Pre-mission InSights on the Interior of Mars. <i>Space Science Reviews</i> , 2019, 215, 1.	3.7	85
83	Determining True North on Mars by Using a Sundial on InSight. <i>Space Science Reviews</i> , 2019, 215, 1.	3.7	2
84	The first active seismic experiment on Mars to characterize the shallow subsurface structure at the InSight landing site. , 2019, , .		10
85	Present-day Mars' Seismicity Predicted From 3D Thermal Evolution Models of Interior Dynamics. <i>Geophysical Research Letters</i> , 2018, 45, 2580-2589.	1.5	35
86	Tsunami Wave Height Estimation from GPS-derived Ionospheric Data. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 4329-4348.	0.8	28
87	Vital Signs: Seismology of Icy Ocean Worlds. <i>Astrobiology</i> , 2018, 18, 37-53.	1.5	31
88	Magnitude Scales for Marsquakes. <i>Bulletin of the Seismological Society of America</i> , 2018, 108, 2764-2777.	1.1	18
89	A Numerical Model of the SEIS Leveling System Transfer Matrix and Resonances: Application to SEIS Rotational Seismology and Dynamic Ground Interaction. <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	22
90	Inversion of Meteor Rayleigh Waves on Earth and Modeling of Air Coupled Rayleigh Waves on Mars. <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	5

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91	The Marsquake Service: Securing Daily Analysis of SEIS Data and Building the Martian Seismicity Catalogue for InSight. Space Science Reviews, 2018, 214, 1.	3.7	41
92	Impact-Seismic Investigations of the InSight Mission. Space Science Reviews, 2018, 214, 1.	3.7	48
93	Atmospheric Science with InSight. Space Science Reviews, 2018, 214, 1.	3.7	88
94	On the Detectability and Use of Normal Modes for Determining Interior Structure of Mars. Space Science Reviews, 2018, 214, 1.	3.7	11
95	Development of the Primary Sorption Pump for the SEIS Seismometer of the InSight Mission to Mars. Space Science Reviews, 2018, 214, 1.	3.7	3
96	Remote sensing of venusian seismic activity with a small spacecraft, the VAMOS mission concept. , 2018, , .		7
97	Geology and Physical Properties Investigations by the InSight Lander. Space Science Reviews, 2018, 214, 1.	3.7	77
98	Influence of Body Waves, Instrumentation Resonances, and Prior Assumptions on Rayleigh Wave Ellipticity Inversion for Shallow Structure at the InSight Landing Site. Space Science Reviews, 2018, 214, 1.	3.7	10
99	A Pre-Landing Assessment of Regolith Properties at the InSight Landing Site. Space Science Reviews, 2018, 214, 1.	3.7	58
100	VAMOS: a SmallSat mission concept for remote sensing of Venusian seismic activity from orbit. , 2018, , .		1
101	Selection of the InSight Landing Site. Space Science Reviews, 2017, 211, 5-95.	3.7	150
102	An Investigation of the Mechanical Properties of Some Martian Regolith Simulants with Respect to the Surface Properties at the InSight Mission Landing Site. Space Science Reviews, 2017, 211, 191-213.	3.7	42
103	Planned Products of the Mars Structure Service for the InSight Mission to Mars. Space Science Reviews, 2017, 211, 611-650.	3.7	80
104	Simulations of Seismic Wave Propagation on Mars. Space Science Reviews, 2017, 211, 571-594.	3.7	19
105	Finite-Difference Modeling of Acoustic and Gravity Wave Propagation in Mars Atmosphere: Application to Infrasounds Emitted by Meteor Impacts. Space Science Reviews, 2017, 211, 547-570.	3.7	20
106	The Noise Model of the SEIS Seismometer of the InSight Mission to Mars. Space Science Reviews, 2017, 211, 383-428.	3.7	73
107	Evaluation of deep moonquake source parameters: Implication for fault characteristics and thermal state. Journal of Geophysical Research E: Planets, 2017, 122, 1487-1504.	1.5	27
108	Preparing for InSight: An Invitation to Participate in a Blind Test for Martian Seismicity. Seismological Research Letters, 2017, 88, 1290-1302.	0.8	37

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109	Modeling of Ground Deformation and Shallow Surface Waves Generated by Martian Dust Devils and Perspectives for Near-Surface Structure Inversion. <i>Space Science Reviews</i> , 2017, 211, 501-524.	3.7	49
110	Analysis of Regolith Properties Using Seismic Signals Generated by InSightâ€™s HP3 Penetrator. <i>Space Science Reviews</i> , 2017, 211, 315-337.	3.7	31
111	Tsunami modeling with solid Earthâ€™oceanâ€™atmosphere coupled normal modes. <i>Geophysical Journal International</i> , 2017, 211, 1119-1138.	1.0	16
112	Evaluating the Wind-Induced Mechanical Noise on the InSight Seismometers. <i>Space Science Reviews</i> , 2017, 211, 429-455.	3.7	65
113	Estimations of the Seismic Pressure Noise on Mars Determined from Large Eddy Simulations and Demonstration of Pressure Decorrelation Techniques for the InSight Mission. <i>Space Science Reviews</i> , 2017, 211, 457-483.	3.7	53
114	A probabilistic framework for single-station location of seismicity on Earth and Mars. <i>Physics of the Earth and Planetary Interiors</i> , 2017, 262, 48-65.	0.7	50
115	Modeling of atmospheric-coupled Rayleigh waves on planets with atmosphere: From Earth observation to Mars and Venus perspectives. <i>Journal of the Acoustical Society of America</i> , 2016, 140, 1447-1468.	0.5	29
116	Prompt gravity signal induced by the 2011 Tohoku-Oki earthquake. <i>Nature Communications</i> , 2016, 7, 13349.	5.8	61
117	Single-station and single-event marsquake location and inversion for structure using synthetic Martian waveforms. <i>Physics of the Earth and Planetary Interiors</i> , 2016, 258, 28-42.	0.7	56
118	Traveling ionospheric disturbances propagating ahead of the Tohoku-Oki tsunami: a case study. <i>Geophysical Journal International</i> , 2016, 204, 1148-1158.	1.0	29
119	First tsunami gravity wave detection in ionospheric radio occultation data. <i>Earth and Space Science</i> , 2015, 2, 125-133.	1.1	55
120	The EChO science case. <i>Experimental Astronomy</i> , 2015, 40, 329-391.	1.6	31
121	Impact seismology on terrestrial and giant planets. , 2015, , 250-263.		4
122	Planetary Seismology. , 2015, , 65-120.		37
123	Seismometer Detection of Dust Devil Vortices by Ground Tilt. <i>Bulletin of the Seismological Society of America</i> , 2015, 105, 3015-3023.	1.1	39
124	Lunar Surface Gravimeter as a lunar seismometer: Investigation of a new source of seismic information on the Moon. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 343-358.	1.5	9
125	Impact cutoff frequency â€™ momentum scaling law inverted from Apollo seismic data. <i>Earth and Planetary Science Letters</i> , 2015, 427, 57-65.	1.8	19
126	Frequency band enlargement of the penetrator seismometer and its application to moonquake observation. <i>Advances in Space Research</i> , 2015, 56, 341-354.	1.2	4

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127	Low frequency noise elimination technique for 24-bit \hat{x} - \hat{y} data acquisition systems. Review of Scientific Instruments, 2015, 86, 034708.	0.6	3
128	Verifying single-station seismic approaches using Earth-based data: Preparation for data return from the InSight mission to Mars. Icarus, 2015, 248, 230-242.	1.1	71
129	Traveling ionosphere disturbances excited ahead of the Tohoku-Oki tsunami: a case study. , 2015, , .		0
130	Probing the Interiors of Planets with Geophysical Tools. , 2014, , 1185-1204.		2
131	On the scientific aims of the MISS seismic experiment. Solar System Research, 2014, 48, 11-21.	0.3	7
132	From Sumatra 2004 to Tohoku-Oki 2011: The systematic GPS detection of the ionospheric signature induced by tsunamigenic earthquakes. Journal of Geophysical Research: Space Physics, 2013, 118, 3626-3636.	0.8	155
133	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.	0.9	11
134	GOCE: The first seismometer in orbit around the Earth. Geophysical Research Letters, 2013, 40, 1015-1020.	1.5	40
135	Ionospheric response to earthquakes of different magnitudes: Larger quakes perturb the ionosphere stronger and longer. Geophysical Research Letters, 2013, 40, 1675-1681.	1.5	108
136	Parameters of seismic source as deduced from 1-Hz ionospheric GPS data: Case study of the 2011 Tohoku-Oki event. Journal of Geophysical Research: Space Physics, 2013, 118, 5942-5950.	0.8	44
137	Modeling of the Total Electronic Content and magnetic field anomalies generated by the 2011 Tohoku-oki tsunami and associated acoustic-gravity waves. , 2013, , .		0
138	Modelling of the total electronic content and magnetic field anomalies generated by the 2011 Tohoku-Oki tsunami and associated acoustic-gravity waves. Geophysical Journal International, 2012, , no-no.	1.0	46
139	Erratum to "Very Preliminary Reference Moon Model", by R.F. Garcia, J. Gagnepain-Beyneix, S. Chevrot, P. LognonnÃ© [Phys. Earth Planet. Inter. 188 (2011) 96-113]. Physics of the Earth and Planetary Interiors, 2012, 202-203, 89-91.	0.7	34
140	Farside explorer: unique science from a mission to the farside of the moon. Experimental Astronomy, 2012, 33, 529-585.	1.6	52
141	Power and duration of impact flashes on the Moon: Implication for the cause of radiation. Icarus, 2012, 218, 115-124.	1.1	36
142	Future Mars geophysical observatories for understanding its internal structure, rotation, and evolution. Planetary and Space Science, 2012, 68, 123-145.	0.9	32
143	Design of an Antenna Array for GNSS/GPS Network. Lecture Notes in Computer Science, 2012, , 183-190.	1.0	0
144	Detection and modeling of Rayleigh wave induced patterns in the ionosphere. Journal of Geophysical Research, 2011, 116, .	3.3	121

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145	Radar sounding of temperate permafrost in Alaska: Analogy to the Martian midlatitude to high-latitude ice-rich terrains. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	24
146	Imaging and modeling the ionospheric airglow response over Hawaii to the tsunami generated by the Tohoku earthquake of 11 March 2011. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	127
147	First ionospheric images of the seismic fault slip on the example of the Tohoku-oki earthquake. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	102
148	Volatiles in the atmosphere of Mars: The effects of volcanism and escape constrained by isotopic data. <i>Earth and Planetary Science Letters</i> , 2011, 303, 299-309.	1.8	32
149	Very preliminary reference Moon model. <i>Physics of the Earth and Planetary Interiors</i> , 2011, 188, 96-113.	0.7	214
150	New approach to detect seismic surface waves in 1Hz-sampled GPS time series. <i>Scientific Reports</i> , 2011, 1, 44.	1.6	15
151	Tsunami signature in the ionosphere: A simulation of OTH radar observations. <i>Radio Science</i> , 2011, 46, .	0.8	26
152	Large impacts detected by the Apollo seismometers: Impactor mass and source cutoff frequency estimations. <i>Icarus</i> , 2011, 211, 1049-1065.	1.1	32
153	Optimisation of seismic network design: Application to a geophysical international lunar network. <i>Planetary and Space Science</i> , 2011, 59, 343-354.	0.9	32
154	The resonant response of the ionosphere imaged after the 2011 off the Pacific coast of Tohoku Earthquake. <i>Earth, Planets and Space</i> , 2011, 63, 853-857.	0.9	159
155	Seismic Detection of the Lunar Core. <i>Science</i> , 2011, 331, 309-312.	6.0	451
156	Three-dimensional numerical modeling of tsunami-related internal gravity waves in the Hawaiian atmosphere. <i>Earth, Planets and Space</i> , 2011, 63, 847-851.	0.9	77
157	Nostradamus: The radar that wanted to be a seismometer. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	47
158	Ionospheric gravity waves detected offshore Hawaii after tsunamis. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	122
159	Seismic Waves from Atmospheric Sources and Atmospheric/Ionospheric Signatures of Seismic Waves. , 2010, , 281-304.		11
160	Response of the ionosphere to the seismic triggered acoustic waves: electron density and electromagnetic fluctuations. <i>Geophysical Journal International</i> , 2009, 176, 1-13.	1.0	38
161	Lithosphere-ionosphere coupling after the 2003 explosive eruption of the Soufriere Hills Volcano, Montserrat. <i>Geophysical Journal International</i> , 2009, 179, 1537-1546.	1.0	94
162	Lander radioscience for obtaining the rotation and orientation of Mars. <i>Planetary and Space Science</i> , 2009, 57, 1050-1067.	0.9	32

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163	Subsurface water detection on Mars by astronauts using a seismic refraction method: Tests during a manned Mars mission simulation. <i>Acta Astronautica</i> , 2009, 64, 457-466.	1.7	3
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