

# Won Sang Lee

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

1,070  
citations

623734

14  
h-index

414414

32  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1559  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep glacial troughs and stabilizing ridges unveiled beneath the margins of the Antarctic ice sheet. <i>Nature Geoscience</i> , 2020, 13, 132-137.	12.9	431
2	Antarctic ice shelf potentially stabilized by export of meltwater in surface river. <i>Nature</i> , 2017, 544, 344-348.	27.8	124
3	Basal channels drive active surface hydrology and transverse ice shelf fracture. <i>Science Advances</i> , 2018, 4, eaao7212.	10.3	50
4	Seismic Network in Greenland Monitors Earth and Ice System. <i>Eos</i> , 2014, 95, 13-14.	0.1	43
5	Getz Ice Shelf melt enhanced by freshwater discharge from beneath the West Antarctic Ice Sheet. <i>Cryosphere</i> , 2020, 14, 1399-1408.	3.9	37
6	Tectonomagmatic activity and ice dynamics in the Bransfield Strait back-arc basin, Antarctica. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	32
7	Estimation of S-wave scattering coefficient in the mantle from envelope characteristics before and after the S arrival. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	27
8	Sources and Levels of Ambient Ocean Sound near the Antarctic Peninsula. <i>PLoS ONE</i> , 2015, 10, e0123425.	2.5	25
9	Ross Ice Shelf Icequakes Associated With Ocean Gravity Wave Activity. <i>Geophysical Research Letters</i> , 2019, 46, 8893-8902.	4.0	25
10	Variability in high-salinity shelf water production in the Terra Nova Bay polynya, Antarctica. <i>Ocean Science</i> , 2020, 16, 373-388.	3.4	24
11	The influence of the Drygalski Ice Tongue on the local ocean. <i>Annals of Glaciology</i> , 2017, 58, 51-59.	1.4	23
12	Spatial Distribution of Coda Q in South Korea. <i>Bulletin of the Seismological Society of America</i> , 2007, 97, 1012-1018.	2.3	20
13	<i>Pseudomonas neustonica</i> sp. nov., isolated from the sea surface microlayer of the Ross Sea (Antarctica). <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 3832-3838.	1.7	19
14	<i>Pseudoalteromonas neustonica</i> sp. nov., isolated from the sea surface microlayer of the Ross Sea (Antarctica), and emended description of the genus <i>Pseudoalteromonas</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 3377-3382.	1.7	17
15	Life and Death Sounds of Iceberg A53a. <i>Oceanography</i> , 2013, 26, .	1.0	16
16	An open access dataset for developing automated detectors of Antarctic baleen whale sounds and performance evaluation of two commonly used detectors. <i>Scientific Reports</i> , 2021, 11, 806.	3.3	15
17	Scattering coefficients in the mantle revealed from the seismogram envelope analysis based on the multiple isotropic scattering model. <i>Earth and Planetary Science Letters</i> , 2006, 241, 888-900.	4.4	12
18	The role of eddies in solute transport and recovery in rock fractures: Implication for groundwater remediation. <i>Hydrological Processes</i> , 2017, 31, 3580-3587.	2.6	12

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19	Observations of submesoscale eddy-driven heat transport at an ice shelf calving front. <i>Communications Earth &amp; Environment</i> , 2022, 3, .	6.8	11
20	Scattering and Intrinsic Attenuation of Short-Period S Waves in the Gyeongsang Basin, South Korea, Revealed from S-Wave Seismogram Envelopes Based on the Radiative Transfer Theory. <i>Bulletin of the Seismological Society of America</i> , 2010, 100, 833-840.	2.3	10
21	Deployment and Performance of a Broadband Seismic Network near the New Korean Jang Bogo Research Station, Terra Nova Bay, East Antarctica. <i>Seismological Research Letters</i> , 2014, 85, 1341-1347.	1.9	10
22	Hydroacoustic, Meteorologic and Seismic Observations of the 2016 Nansen Ice Shelf Calving Event and Iceberg Formation. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	10
23	Ice front retreat reconfigures meltwater-driven gyres modulating ocean heat delivery to an Antarctic ice shelf. <i>Nature Communications</i> , 2022, 13, 306.	12.8	10
24	Active subglacial lakes and channelized water flow beneath the Kamb Ice Stream. <i>Cryosphere</i> , 2016, 10, 2971-2980.	3.9	9
25	Isotopic variations of meltwater from ice by isotopic exchange between liquid water and ice. <i>Journal of Glaciology</i> , 2019, 65, 1035-1043.	2.2	8
26	Power-law decay characteristic of coda envelopes revealed from the analysis of regional earthquakes. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	7
27	Aerogeophysical characterization of an active subglacial lake system in the David Glacier catchment, Antarctica. <i>Cryosphere</i> , 2020, 14, 2217-2233.	3.9	7
28	Southeast Indian Ocean-Ridge earthquake sequences from cross-correlation analysis of hydroacoustic data. <i>Geophysical Journal International</i> , 2009, 179, 401-407.	2.4	6
29	P-wave velocity structure beneath Mt. Melbourne in northern Victoria Land, Antarctica: Evidence of partial melting and volcanic magma sources. <i>Earth and Planetary Science Letters</i> , 2015, 432, 293-299.	4.4	5
30	The Origin of Double-Frequency Microseism and Its Seasonal Variability at King Sejong Station, Antarctica. <i>Bulletin of the Seismological Society of America</i> , 2011, 101, 1446-1451.	2.3	4
31	Reclassification of <i>Halomonas caseinilytica</i> Wu et al. 2008 as a later synonym of <i>Halomonas sinaiensis</i> Romano et al. 2007, and emendation of the species description. <i>Antonie Van Leeuwenhoek</i> , 2016, 109, 1345-1352.	1.7	3
32	Characteristic atmosphere and ocean interaction in the coastal and marine environment inferred from infrasound at Terra Nova Bay, Antarctica - observation and initial data -. <i>Annals of Geophysics</i> , 2017, 60, .	1.0	3
33	Quantifying Soundscapes in the Ross Sea, Antarctica Using Long-Term Autonomous Hydroacoustic Monitoring Systems. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	3
34	Estimation of coda Q in the mantle and characteristics of regional S-wave envelope. <i>Geosciences Journal</i> , 2009, 13, 363-369.	1.2	2
35	Observation of Underwater Earthquakes by Using a Hydroacoustic Monitoring System. <i>Physics and High Technology</i> , 2011, 20, 2.	0.1	2
36	Hydroacoustic Observation on the 2011 Tohoku Earthquake. <i>Geophysics and Geophysical Exploration</i> , 2013, 16, 234-239.	0.2	2

#	ARTICLE	IF	CITATIONS
37	Numerical Study on the Characteristics of Abyssal <i>T</i> -Wave Envelopes Controlled by Earthquake Source Parameters. <i>Seismological Research Letters</i> , 2022, 93, 2189-2200.	1.9	2
38	Seismic Ambient Noise and Its Applicability to Monitor Cryospheric Environment. , 2013, , .		0
39	Installation of Very Broadband Seismic Stations to Observe Seismic and Cryogenic Signals, Antarctica. <i>Geophysics and Geophysical Exploration</i> , 2012, 15, 144-149.	0.2	0
40	Detection of Long Period Seismic Events by Using a Portable Gravity Meter, gPhone. <i>Geophysics and Geophysical Exploration</i> , 2015, 18, 31-34.	0.2	0
41	A study on isotopic exchange between ice and meltwater using a melting experiment and 1-D model. <i>Journal of the Geological Society of Korea</i> , 2017, 53, 773-780.	0.7	0
42	Recent anomalous seismic activity in the Bransfield Strait, near King Sejong Station, Antarctic Peninsula (August 2020-February 2021). <i>Journal of the Geological Society of Korea</i> , 2021, 57, 717-726.	0.7	0