

# Hyoun Soo Lim

## List of Publications by Year in descending order

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96  
papers

1,590  
citations

304743

22  
h-index

361022

35  
g-index

97  
all docs

97  
docs citations

97  
times ranked

2019  
citing authors

#	ARTICLE	IF	CITATIONS
1	Change in gene abundance in the nitrogen biogeochemical cycle with temperature and nitrogen addition in Antarctic soils. <i>Research in Microbiology</i> , 2011, 162, 1018-1026.	2.1	124
2	Influence of Soil Characteristics and Proximity to Antarctic Research Stations on Abundance of Antibiotic Resistance Genes in Soils. <i>Environmental Science &amp; Technology</i> , 2016, 50, 12621-12629.	10.0	107
3	Geochemistry of soils of King George Island, South Shetland Islands, West Antarctica: Implications for pedogenesis in cold polar regions. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 4319-4333.	3.9	84
4	Detrital zircon geochronology of the Cretaceous Sindong Group, Southeast Korea: Implications for depositional age and Early Cretaceous igneous activity. <i>Island Arc</i> , 2010, 19, 647-658.	1.1	67
5	Mid-latitude interhemispheric hydrologic seesaw over the past 550,000 years. <i>Nature</i> , 2014, 508, 378-382.	27.8	54
6	Carbon and nitrogen isotope composition of vegetation on King George Island, maritime Antarctic. <i>Polar Biology</i> , 2009, 32, 1607-1615.	1.2	52
7	Highly Heterogeneous Soil Bacterial Communities around Terra Nova Bay of Northern Victoria Land, Antarctica. <i>PLoS ONE</i> , 2015, 10, e0119966.	2.5	51
8	Vegetation and climate changes during the Late Pleistocene to Holocene inferred from pollen record in Jinju area, South Korea. <i>Geosciences Journal</i> , 2006, 10, 423-431.	1.2	47
9	Late Quaternary glaciation in the Nainital massif, northwestern India. <i>Boreas</i> , 2014, 43, 67-89.	2.4	47
10	Late Pleistocene-Holocene records from Lake Ulaan, southern Mongolia: implications for east Asian palaeomonsoonal climate changes. <i>Journal of Quaternary Science</i> , 2013, 28, 370-378.	2.1	39
11	Polychlorinated biphenyl congeners in soils and lichens from King George Island, South Shetland Islands, Antarctica. <i>Antarctic Science</i> , 2010, 22, 31.	0.9	38
12	Chronostratigraphy of the sedimentary record of Limnopolar Lake, Byers Peninsula, Livingston Island, Antarctica. <i>Antarctic Science</i> , 2013, 25, 198-212.	0.9	38
13	Detrital zircon geochronology and Nd isotope geochemistry of the basal succession of the Taebaeksan Basin, South Korea: Implications for the Gondwana linkage of the Sino-Korean (North) Tectonic Zone. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 441, 770-786.	0.78	36
14	Effects of solvent participation and controlled product separation on biomass liquefaction: A case study of sewage sludge. <i>Applied Energy</i> , 2018, 218, 402-416.	10.1	35
15	Comparison of radiocarbon and OSL dating methods for a Late Quaternary sediment core from Lake Ulaan, Mongolia. <i>Journal of Paleolimnology</i> , 2011, 45, 127-135.	1.6	32
16	Local-scale variation of soil bacterial communities in ice-free regions of maritime Antarctica. <i>Soil Biology and Biochemistry</i> , 2019, 133, 165-173.	8.8	32
17	Rate of late Quaternary ice cap thinning on King George Island, South Shetland Islands, West Antarctica defined by cosmogenic <sup>36</sup> Cl surface exposure dating. <i>Boreas</i> , 2009, 38, 207-213.	2.4	31
18	Detrital zircon U-Pb ages of the Jangsan Formation in the northeastern Okcheon belt, Korea and its implications for material source, provenance, and tectonic setting. <i>Sedimentary Geology</i> , 2012, 282, 256-267.	2.1	31

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19	Holocene and Eemian climatic optima in the Korean Peninsula based on textural and carbon isotopic records from the stalagmite of the Daeya Cave, South Korea. <i>Quaternary Science Reviews</i> , 2011, 30, 1218-1231.	3.0	30
20	High-resolution multi-proxy evidence for millennial- and centennial-scale climate oscillations during the last deglaciation in Jeju Island, South Korea. <i>Quaternary Science Reviews</i> , 2014, 105, 112-125.	3.0	28
21	Characteristics of tephra in Holocene lake sediments on King George Island, West Antarctica: implications for deglaciation and paleoenvironment. <i>Quaternary Science Reviews</i> , 2007, 26, 3167-3178.	3.0	26
22	Vegetation and climate history during the late Pleistocene and early Holocene inferred from pollen record in Gwangju area, South Korea. <i>Quaternary International</i> , 2010, 227, 61-67.	1.5	25
23	Bacterial diversity in ornithogenic soils compared to mineral soils on King George Island, Antarctica. <i>Journal of Microbiology</i> , 2012, 50, 1081-1085.	2.8	25
24	Late-Holocene palaeoclimatic change at the Dongnimdong archaeological site, Gwangju, SW Korea. <i>Holocene</i> , 2007, 17, 665-672.	1.7	19
25	Soil development and bacterial community shifts along the chronosequence of the Midtre LovÅ©nbreen glacier foreland in Svalbard. <i>Journal of Ecology and Environment</i> , 2015, 38, 461-476.	1.6	19
26	Stream Water and Groundwater Interaction Revealed by Temperature Monitoring in Agricultural Areas. <i>Water (Switzerland)</i> , 2013, 5, 1677-1698.	2.7	18
27	Thermal history of the Cretaceous Sindong Group, Gyeongsang Basin, Korea based on fission track analysis. <i>Basin Research</i> , 2003, 15, 139-152.	2.7	17
28	Heavy Metal Concentrations in the Fruticose Lichen <i>Usnea aurantiacoatra</i> from King George Island, South Shetland Islands, West Antarctica. <i>Journal of the Korean Society for Applied Biological Chemistry</i> , 2009, 52, 503-508.	0.9	17
29	Geochemistry of Quaternary sediments of the Jeongokri archaeological site, Korea: implications for provenance and palaeoenvironments during the Late Pleistocene. <i>Journal of Quaternary Science</i> , 2012, 27, 260-268.	2.1	17
30	Deposition and weathering of Asian dust in Paleolithic sites, Korea. <i>Quaternary Science Reviews</i> , 2013, 78, 283-300.	3.0	17
31	Holocene benthic foraminiferal faunas in coastal deposits of the Nakdong River delta (Korea) and Izumo Plain (Japan). <i>Quaternary International</i> , 2016, 392, 13-24.	1.5	16
32	Cooling history of the Upper Cretaceous Palgongsan Granite, Gyeongsang Basin, SE Korea and its tectonic implication for uplift on the active continental margin. <i>Tectonophysics</i> , 2005, 403, 151-165.	2.2	15
33	Late Quaternary glacialâ€”interglacial variations in sediment supply in the southern Drake Passage. <i>Quaternary Research</i> , 2012, 78, 119-129.	1.7	15
34	The relationships of present vegetation, bacteria, and soil properties with soil organic matter characteristics in moist acidic tundra in Alaska. <i>Science of the Total Environment</i> , 2021, 772, 145386.	8.0	15
35	New age constraints for hominid footprints found on Jeju Island, South Korea. <i>Journal of Archaeological Science</i> , 2010, 37, 3338-3343.	2.4	14
36	Reduction of thermal damage in photodynamic therapy by laser irradiation techniques. <i>Journal of Biomedical Optics</i> , 2012, 17, 128001.	2.6	14

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37	Geochemical characteristics of meltwater and pondwater on Barton and Weaver Peninsulas of King George Island, West Antarctica. <i>Geochemical Journal</i> , 2014, 48, 409-422.	1.0	14
38	Late Holocene cyclic glaciomarine sedimentation in a subpolar fjord of the South Shetland Islands, Antarctica, and its paleoceanographic significance: Sedimentological, geochemical, and paleontological evidence. <i>Bulletin of the Geological Society of America</i> , 2010, 122, 1298-1307.	3.3	13
39	Multi-proxy evidence for late Holocene anthropogenic environmental changes at Bongpo marsh on the east coast of Korea. <i>Quaternary Research</i> , 2012, 78, 209-216.	1.7	13
40	Orbital- and millennial-scale climate and vegetation changes between 32.5 and 6.9k cal a BP from Hanon Maar paleolake on Jeju Island, South Korea. <i>Journal of Quaternary Science</i> , 2014, 29, 570-580.	2.1	13
41	Past climate changes over South Korea during MIS3 and MIS1 and their links to regional and global climate changes. <i>Quaternary International</i> , 2019, 519, 74-81.	1.5	13
42	Vertebrate burrows in late pleistocene paleosols at Korean Palaeolithic sites and their significance as a stratigraphic marker. <i>Quaternary Research</i> , 2007, 68, 213-219.	1.7	12
43	Evaluation of ethoxylated nonionic surfactants for solubilization of chlorinated organic phases: Effects of partitioning loss and macroemulsion formation. <i>Journal of Contaminant Hydrology</i> , 2019, 223, 103475.	3.3	12
44	Depositional age and petrological characteristics of the Jangsan Formation in the Taebaeksan Basin, Korea-revisited. <i>Journal of the Geological Society of Korea</i> , 2016, 52, 67-77.	0.7	12
45	Holocene environmental changes on the east coast of Korea. <i>Journal of Paleolimnology</i> , 2012, 48, 535-544.	1.6	11
46	Thermal characteristics of soil and water during summer at King Sejong Station, King George Island, Antarctica. <i>Geosciences Journal</i> , 2016, 20, 503-516.	1.2	11
47	Hydrogeological characteristics of groundwater and surface water associated with two small lake systems on King George Island, Antarctica. <i>Journal of Hydrology</i> , 2020, 590, 125537.	5.4	11
48	Pollen and sediment evidence for late-Holocene human impact at the Seonam-dong archeological site, Gwangju, Korea. <i>Review of Palaeobotany and Palynology</i> , 2013, 193, 110-118.	1.5	9
49	Isotopic characteristics of snow and its meltwater over the Barton Peninsula, Antarctica. <i>Cold Regions Science and Technology</i> , 2020, 173, 102997.	3.5	7
50	Assessment of the value and distribution of geological heritages in Chungcheong Province, Korea. <i>Journal of the Geological Society of Korea</i> , 2016, 52, 639-664.	0.7	7
51	Diminutive pterosaur tracks and trackways ( <i>Pteraichnus gracilis</i> ichnosp. nov.) from the Lower Cretaceous Jinju Formation, Gyeongsang Basin, Korea. <i>Cretaceous Research</i> , 2022, 131, 105080.	1.4	7
52	Identification and characterization of the encrusting materials in a coastal liquefied petroleum gas storage cavern. <i>Environmental Earth Sciences</i> , 2010, 61, 1165-1177.	2.7	5
53	Reply to the comment on Lee et al., "Detrital zircon geochronology and Nd isotope geochemistry of the basal succession of the Taebaeksan Basin, South Korea: Implications for the Gondwana linkage of the Sino-Korean (North China) block during the Neoproterozoic-early Cambrian" [Palaeogeography, Palaeoclimatology, Palaeoecology 441 (2016): 770-786]. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 459, 613-617.	2.3	5
54	Late Pleistocene sedimentary environment and reverse faulting along the Chugaryung Fault in the central Korean Peninsula: a case study on the Cheorwon Basin. <i>Geosciences Journal</i> , 2020, 24, 615-623.	1.2	5

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55	Kinematic characteristics and movement timing of the Wonwonsa fault in the central Ulsan fault. <i>Journal of the Geological Society of Korea</i> , 2021, 57, 35-48.	0.7	5
56	First report of bird tracks ( <i>Ignotornis seungjoseoi</i> ichnosp. nov.) from the Jinju Formation (Lower) Tj ETQq0 0 0 rgBT/Overlogk 10 Tf 50	1.4	5
57	A paleoenvironmental study of Holocene delta sediments in Nakdong River Estuary. <i>Journal of the Geological Society of Korea</i> , 2016, 52, 15-30.	0.7	5
58	Cretaceous Pterosaur Tracks in Daegok-ri, Ulju-gun, Ulsan: Spatio-temporal Distribution of Pterosaur in the Korean Peninsula. <i>Journal of the Korean Earth Science Society</i> , 2018, 39, 458-472.	0.2	5
59	Trace-element composition of the Cretaceous Sindong Group, Gyeongsang Basin, Korea and its implication for provenance. <i>Journal of the Geological Society of Korea</i> , 2019, 55, 531-549.	0.7	5
60	Dinosaur track-bearing deposits in Sagok Formation (Cretaceous) at Sinseong-ri, Cheonsong-gun, Korea: Occurrences and paleoenvironments. <i>Journal of the Geological Society of Korea</i> , 2019, 55, 495-511.	0.7	5
61	Fission-track dating calibration of age standards in a Korean reactor, HANARO. <i>Geosciences Journal</i> , 2000, 4, 251-254.	1.2	4
62	Short Note: Polychlorinated biphenyl congeners in Antarctic biota from the Barton Peninsula, King George Island. <i>Antarctic Science</i> , 2010, 22, 283-284.	0.9	4
63	Glacial melting pulses in the Antarctica: Evidence for different responses to regional effects of global warming recorded in Antarctic bivalve shell ( <i>Laternula elliptica</i> ). <i>Journal of Marine Systems</i> , 2019, 197, 103179.	2.1	4
64	Geological values of the Ueumdo geosite in the Hwaseong Geopark, Korea and its application to geo-education. <i>Journal of the Geological Society of Korea</i> , 2021, 57, 257-273.	0.7	4
65	Detrital zircon provenance of the Lower Cretaceous Duwon Formation based on LA-MC-ICPMS U-Pb ages and morphology in the Goheung area, southern Korea: A new supply mechanism of Early Cretaceous zircons. <i>Cretaceous Research</i> , 2021, , 104955.	1.4	4
66	A preliminary study of calcite beef found in the Cretaceous Jinju Formation, Gyeongsang Basin, Korea. <i>Journal of the Geological Society of Korea</i> , 2015, 51, 597.	0.7	4
67	Zircon U-Pb ages of Duwon Formation and Goheung Tuff in Goheung area, southern Korea. <i>Journal of the Geological Society of Korea</i> , 2019, 55, 583-594.	0.7	4
68	Petrological and geochemical compositions of beach sands of the Barton and Weaver peninsulas of King George Island, West Antarctica: implications for provenance and depositional history. <i>Episodes</i> , 2019, 42, 149-164.	1.2	4
69	Soil organic carbon characteristics relating to geomorphology near Vestre LovÅ©nbreen moraine in Svalbard. <i>Journal of Ecology and Environment</i> , 2014, 37, 69-79.	1.6	4
70	Geological heritages of the candidate site for National Geopark around the west coast of Chungcheongnam-do Province, Korea: Characteristics and values. <i>Journal of the Geological Society of Korea</i> , 2016, 52, 665-689.	0.7	4
71	Detrital zircon geochronology of the Cretaceous Sindong Group, Gyeongsang Basin, Korea and its implications for paleodrainage systems. <i>Episodes</i> , 2020, 43, 711-738.	1.2	4
72	Detrital zircon U-Pb ages of the uppermost Jinju Formation in the Natural Monument No. 534 â€”Tracksite of Pterosaurs, Birds, and Dinosaurs in Hotandong, Jinjuâ€™, Korea. <i>Journal of the Korean Earth Science Society</i> , 2020, 41, 367-380.	0.2	4

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73	Impact of anthropogenic inputs on Pb content of moss <i>Sanionia uncinata</i> (Hedw.) Loeske in King George Island, West Antarctica revealed by Pb isotopes. <i>Geosciences Journal</i> , 2022, 26, 225-234.	1.2	4
74	Statistical understanding for snow cover effects on near-surface ground temperature at the margin of maritime Antarctica, King George Island. <i>Geoderma</i> , 2022, 410, 115661.	5.1	4
75	Anthropocene: on the starting point and the significance of the new geological epoch. <i>Journal of the Geological Society of Korea</i> , 2016, 52, 163-171.	0.7	3
76	Detrital zircon U-Pb ages of the Cretaceous Iljik, Jeomgok, and Sagok formations in the Cheongsong Global Geopark, Korea: Depositional age and Provenance. <i>Journal of the Korean Earth Science Society</i> , 2021, 42, 11-38.	0.2	2
77	Occurrence and Identification of Tephra Layers found in the Ulsan area, Southeastern Korea. <i>Journal of the Korean Earth Science Society</i> , 2021, 42, 55-64.	0.2	2
78	Development and timing of two orthogonal fold systems in the western Gyeonggi Massif, Korea. <i>Episodes</i> , 2021, 44, 83-97.	1.2	2
79	Comparison of thermal characteristics of soil in austral summer and winter at King Sejong Station, King George Island, Antarctica. <i>Journal of the Geological Society of Korea</i> , 2016, 52, 901-915.	0.7	2
80	Assessment of the value and distribution of geological heritages in Gyeongbuk Province, Korea. <i>Journal of the Geological Society of Korea</i> , 2018, 54, 133-151.	0.7	2
81	Three-dimensional modelling of urban area based on the urban geological approach. <i>Journal of the Geological Society of Korea</i> , 2019, 55, 333-342.	0.7	2
82	Late Pleistocene Paleovegetation and Paleoclimate of the Uiwang Area Based on Pollen Analysis. <i>Journal of the Korean Earth Science Society</i> , 2010, 31, 698-707.	0.2	1
83	Biotic responses of deep-sea benthic foraminifera in the equatorial Indian Ocean during the Quaternary: Influence of the ballasting effect on organic matter by calcareous plankton skeletons. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2022, 585, 110724.	2.3	1
84	Geological characteristics of unconventional hydrocarbon resources. <i>Journal of the Geological Society of Korea</i> , 2016, 52, 79-93.	0.7	1
85	Reply to the comment on "Depositional age and petrological characteristics of the Jangsan Formation in the Taebaeksan Basin, Korea-revisited" by Lee, Y.I., Choi, T. and Lim, H.S.. <i>Journal of the Geological Society of Korea</i> , 2016, 52, 969-973.	0.7	1
86	Assessment of the value and development of geological heritages in Gangwon Province, Korea. <i>Journal of the Geological Society of Korea</i> , 2020, 56, 683-702.	0.7	1
87	Evolution of Depositional Environments in Response to the Holocene Sea-Level Change in the Lower Delta Plain of Nakdong River Delta, Korea. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 177.	2.5	1
88	Benthic foraminifera in the Nakdong River Delta (southeast Korea) and their response to middle Holocene climatic change in the coastal environment of the East Asian margin. <i>Journal of Asian Earth Sciences</i> , 2022, 234, 105273.	2.3	1
89	Woo et al. reply. <i>Nature</i> , 2015, 526, E2-E3.	27.8	0
90	Geochronology and sedimentary environment at the Udu-dong archeological site, Chuncheon, South Korea. <i>Holocene</i> , 2018, 28, 1512-1522.	1.7	0

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91	Silicon Isotope Measurement of Giant Diatoms Using MC-ICP-MS. Journal of the Korean Earth Science Society, 2021, 42, 1-10.	0.2	0
92	Development Status and Prospect of Geopark Characters. Journal of the Korean Earth Science Society, 2021, 42, 65-75.	0.2	0
93	Geo-educational Values of the Jebudo Geosite in the Hwaseong Geopark, Korea. Journal of the Korean Earth Science Society, 2021, 42, 311-324.	0.2	0
94	A Preliminary Study of Rodent Burrows at Lake Hovsgol, Mongolia: Comparison with the Late Pleistocene Rodent Burrows of Korea. Journal of the Korean Earth Science Society, 2014, 35, 290-294.	0.2	0
95	Variations of Soil Temperatures in Winter and Spring at a High Elevation Area (Boulder, Colorado). Journal of Soil and Groundwater Environment, 2015, 20, 16-25.	0.1	0
96	Formation mechanism of listric normal faults and calcite veins within the shale-dominant strata of the upper Jinju formation in the cretaceous Gyeongsang Basin, Korea. Journal of the Geological Society of Korea, 2016, 52, 373-388.	0.7	0