Young Kwan Sohn

List of Publications by Year
in descending order

85 papers	3,460 citations	159585 30 h-index	144013 57 g-index
86 all docs	86 docs citations	86 times ranked	1862 citing authors

#	Article	IF	Citations
1	Tectonic and sedimentary evolution of a Cretaceous continental arcâ€“backarc system in the Korean peninsula: New view. Earth-Science Reviews, 2010, 101, 225-249.	9.1	238
2	Debris Flow and Hyperconcentrated Floodâ€Flow Deposits in an Alluvial Fan, Northwestern Part of the Cretaceous Yongdong Basin, Central Korea. Journal of Geology, 1999, 107, 111-132.	1.4	223
3	Depositional processes of the Suwolbong tuff ring, Cheju Island (Korea). Sedimentology, 1989, 36, 837-855.	3.1	219
4	Depositional mechanics and sequences of base surges, Songaksan tuff ring, Cheju Island, Korea. Sedimentology, 1990, 37, 1115-1135.	3.1	182
5	Depositional Processes of Submarine Debris Flows in the Miocene Fan Deltas, Pohang Basin, SE Korea with Special Reference to Flow Transformation. Journal of Sedimentary Research, 2000, 70, 491-503.	1.6	131
6	Hydrovolcanic processes forming basaltic tuff rings and cones on Cheju Island, Korea. Bulletin of the Geological Society of America, 1996, 108, 1199-1211.	3.3	128
7	On Traction-Carpet Sedimentation. Journal of Sedimentary Research, 1997, Vol. 67, .	1.6	127
8	Mechanisms driving polymagmatic activity at a monogenetic volcano, Udo, Jeju Island, South Korea. Contributions To Mineralogy and Petrology, 2010, 160, 931-950.	3.1	113
9	The Ilchulbong tuff cone, Cheju Island, South Korea. Sedimentology, 1992, 39, 523-544.	3.1	104
10	Tectonic, sedimentary, and volcanic evolution of a back-arc basin in the East Sea (Sea of Japan). Marine Geology, 2014, 352, 70-88.	2.1	98
11	Transition from debris flow to hyperconcentrated flow in a submarine channel (the Cretaceous) Tj ETQq1 1 0.784314 rgBT /Overlock	2.1	96
12	Composite tuff ring/cone complexes in Jeju Island, Korea: possible consequences of substrate collapse and vent migration. Journal of Volcanology and Geothermal Research, 2005, 141, 157-175.	2.1	90
13	How Small-volume Basaltic Magmatic Systems Develop: a Case Study from the Jeju Island Volcanic Field, Korea. Journal of Petrology, 2012, 53, 985-1018.	2.8	78
14	Synrift stratigraphic geometry in a transfer zone coarse-grained delta complex, Miocene Pohang Basin, SE Korea. Sedimentology, 2004, 51, 1387-1408.	3.1	74
15	Primary versus secondary and subaerial versus submarine hydrovolcanic deposits in the subsurface of Jeju Island, Korea. Sedimentology, 2008, 55, 899-924.	3.1	72
16	Spatio-temporal evolution of a dispersed magmatic system and its implications for volcano growth, Jeju Island Volcanic Field, Korea. Lithos, 2012, 148, 337-352.	1.4	70
17	The Udo tuff cone, Cheju Island, South Korea: transformation of pyroclastic fall into debris fall and grain flow on a steep volcanic cone slope. Sedimentology, 1993, 40, 769-786.	3.1	66
18	Miocene tectonic evolution of the basins and fault systems, SE Korea: dextral, simple shear during the East Sea (Sea of Japan) opening. Journal of the Geological Society, 2015, 172, 664-680.	2.1	65

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19	Stratigraphy, petrochemistry and Quaternary depositional record of the Songaksan tuff ring, Jeju Island, Korea. Journal of Volcanology and Geothermal Research, 2003, 119, 1-20.	2.1	63
20	Ilchulbong tuff cone, Jeju Island, Korea, revisited: A compound monogenetic volcano involving multiple magma pulses, shifting vents, and discrete eruptive phases. Bulletin of the Geological Society of America, 2012, 124, 259-274.	3.3	60
21	Revised stratigraphy and reinterpretation of the Miocene Pohang basinfill, SE Korea: sequence development in response to tectonism and eustasy in a back-arc basin margin. Sedimentary Geology, 2001, 143, 265-285.	2.1	57
22	Early-stage volcanism and sedimentation of Jeju Island revealed by the Sagye borehole, SW Jeju Island, Korea. Geosciences Journal, 2004, 8, 73-84.	1.2	53
23	Intraplate volcanism influenced by distal subduction tectonics at Jeju Island, Republic of Korea. Bulletin of Volcanology, 2015, 77, 1.	3.0	52
24	Coarse-grained debris-flow deposits in the Miocene fan deltas, SE Korea: a scaling analysis. Sedimentary Geology, 2000, 130, 45-64.	2.1	48
25	Final Magma Storage Depth Modulation of Explosivity and Trachyteâ€“Phonolite Genesis at an Intraplate Volcano: a Case Study from Ulleung Island, South Korea. Journal of Petrology, 2014, 55, 709-747.	2.8	41
26	The influence of magma plumbing complexity on monogenetic eruptions, Jeju Island, Korea. Terra Nova, 2011, 23, 70-75.	2.1	40
27	Geometry and kinematics of the Ocheon Fault System along the boundary between the Miocene Pohang and Janggi basins, SE Korea, and its tectonic implications. Geosciences Journal, 2012, 16, 253-273.	1.2	40
28	Evolution of the Miocene Waup Basin, SE Korea, in response to dextral shear along the southwestern margin of the East Sea (Sea of Japan). Journal of Asian Earth Sciences, 2005, 25, 529-544.	2.3	39
29	Geology of Tok Island, Korea: eruptive and depositional processes of a shoaling to emergent island volcano. Bulletin of Volcanology, 1995, 56, 660-674.	3.0	34
30	Post 19Âka B.P. eruptive history of Ulleung Island, Korea, inferred from an intra-caldera pyroclastic sequence. Bulletin of Volcanology, 2014, 76, 1.	3.0	32
31	Jeju Island Geopark - A Volcanic Wonder of Korea. Geoparks of the World, 2013, , .	0.2	31
32	A study on potential geologic facility sites for carbon dioxide storage in the Miocene Pohang Basin, SE Korea. Journal of the Geological Society of Korea, 2015, 51, 53.	0.7	31
33	Shallow-marine records of pyroclastic surges and fallouts over water in Jeju Island, Korea, and their stratigraphic implications. Geology, 2010, 38, 763-766.	4.4	30
34	Synvolcanic and syntectonic sedimentation of the mixed volcaniclasticâ€“epiclastic succession in the Miocene Janggi Basin, SE Korea. Sedimentary Geology, 2013, 288, 40-59.	2.1	30
35	Tectonically controlled vent migration during maarâ€“diatreme formation: An example from a Miocene half-graben basin in SE Korea. Journal of Volcanology and Geothermal Research, 2012, 223-224, 29-46.	2.1	29
36	Optical dating of hydromagmatic volcanoes on the southwestern coast of Jeju Island, Korea. Quaternary Geochronology, 2007, 2, 266-271.	1.4	26

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37	Saharan green corridors and Middle Pleistocene hominin dispersals across the Eastern Desert, Sudan. Journal of Human Evolution, 2019, 130, 141-150.	2.6	26
38	Eruption and emplacement of a laterally extensive, crystal-rich, and pumice-free ignimbrite (the) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	2.1	25
39	Evolution of the Late Cretaceous Dadaepo Basin, SE Korea, in response to oblique subduction of the proto-Pacific (Izanagi/Kula) or Pacific plate. Gondwana Research, 2016, 39, 145-164.	6.0	25
40	Petrogenesis and mantle source characteristics of the late Cenozoic Baekdusan (Changbaishan) basalts, North China Craton. Gondwana Research, 2020, 78, 156-171.	6.0	24
41	Pyroclast textures of the Ilchulbong â€˜wetâ€™ tuff cone, Jeju Island, South Korea. Journal of Volcanology and Geothermal Research, 2011, 201, 385-396.	2.1	23
42	Depositional processes, paleoflow patterns, and evolution of a Miocene gravelly fan-delta system in SE Korea constrained by anisotropy of magnetic susceptibility analysis of interbedded mudrocks. Marine and Petroleum Geology, 2013, 48, 206-223.	3.3	23
43	Co-located monogenetic eruptions ~200Âkyr apart driven by tapping vertically separated mantle source regions, Chagwido, Jeju Island, Republic of Korea. Bulletin of Volcanology, 2015, 77, 1.	3.0	23
44	Distinguishing between primary and secondary volcaniclastic deposits. Scientific Reports, 2019, 9, 12425.	3.3	23
45	Lithofacies and architecture of a basinwide tuff unit in the Miocene Eoil Basin, SE Korea: Modes of pyroclastic sedimentation, changes in eruption style, and implications for basin configuration. Bulletin of the Geological Society of America, 2008, 120, 1263-1279.	3.3	21
46	Rapid development of gravelly high-density turbidity currents in marine Gilbert-type fan deltas, Loreto Basin, Baja California Sur, Mexico. Sedimentology, 1999, 46, 757-761.	3.1	20
47	Wave-planation surfaces in the mid-western East Sea (Sea of Japan): Indicators of subsidence history and paleogeographic evolution of back-arc basin. Marine Geology, 2013, 344, 65-81.	2.1	19
48	Sr isotopes of the Seoguipo Formation (Korea) and their application to geologic age. Journal of Asian Earth Sciences, 2001, 19, 701-711.	2.3	16
49	Sedimentary records of rift to pull-apart tectonics in the Miocene Eoil Basin, SE Korea. Sedimentary Geology, 2011, 236, 256-271.	2.1	16
50	Sedimentary characteristics and stratigraphic implications of the Kusandong Tuff, Cretaceous Gyeongsang Basin, Korea. Geosciences Journal, 2003, 7, 53-64.	1.2	15
51	Latest Pleistocene crustal cannibalization at Baekdusan (Changbaishan) as traced by oxygen isotopes of zircon from the Millennium Eruption. Lithos, 2017, 284-285, 132-137.	1.4	15
52	Geoheritage Values of the Quaternary Hantangang River Volcanic Field in the Central Korean Peninsula. Geoheritage, 2019, 11, 765-782.	2.8	15
53	Geochemical fingerprinting of basaltic glass in tephra deposits underlying the human footprints-bearing strata in Jeju Island, Korea: Provenance of tephra and age of the human footprints. Journal of the Geological Society of Korea, 2015, 51, 105.	0.7	15
54	Long-runout pyroclastic surge on a Cretaceous alluvial plain, Republic of Korea. Terra Nova, 2005, 17, 13-24.	2.1	14

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55	Tephra-filled volcanic neck (diatreme) of a mafic tuff ring at Maegok, Miocene Eoil Basin, SE Korea. Geosciences Journal, 2008, 12, 317-329.	1.2	13
56	230Th/234U dating of Holocene mollusk shells from Jeju Island, Korea, by multiple collectors inductively coupled plasma mass spectrometry. Geosciences Journal, 2006, 10, 67-74.	1.2	12
57	Stratigraphy and age of the human footprints-bearing strata in Jeju Island, Korea: Controversies and new findings. Journal of Archaeological Science: Reports, 2015, 4, 264-275.	0.5	12
58	Diatreme evolution during the phreatomagmatic eruption of the Songaksan tuff ring, Jeju Island, Korea. Bulletin of Volcanology, 2017, 79, 1.	3.0	12
59	Volcaniclastic tide-modulated tempestite in a coastal tuff ring, Jeju Island, Korea. Scientific Reports, 2019, 9, 3561.	3.3	11
60	Recurrent Quaternary magma generation at Baekdusan (Changbaishan) volcano: New zircon U-Th ages and Hf isotopic constraints from the Millennium Eruption. Gondwana Research, 2019, 68, 13-21.	6.0	11
61	Microtextures, microchemistry, and mineralogy of basaltic glass alteration, Jeju Island, Korea, with implications for elemental behavior. American Mineralogist, 2011, 96, 1129-1147.	1.9	10
62	Records of palaeoâ€sea level and eruption duration in a coastal tuff ring, Jeju Island, Korea. Terra Nova, 2017, 29, 52-60.	2.1	10
63	Preliminary paleomagnetic and rock magnetic results from 17 to 22Âka sediment of Jeju Island, Korea: Geomagnetic excursional behavior or rock magnetic anomalies?. Earth, Planets and Space, 2018, 70, .	2.5	10
64	The oldest Homo erectus buried lithic horizon from the Eastern Saharan Africa. EDAR 7 - an Acheulean assemblage with Kombewa method from the Eastern Desert, Sudan. PLoS ONE, 2021, 16, e0248279.	2.5	10
65	Depositional environments and processes of the subsurface dacitic volcaniclastic deposits in the Miocene Janggi Basin, SE Korea. Journal of the Geological Society of Korea, 2016, 52, 775-798.	0.7	9
66	Fault zone processes during caldera collapse: Jangsan Caldera, Korea. Journal of Structural Geology, 2019, 124, 197-210.	2.3	8
67	A Window into the Earlyâ€“Middle Stone Age Transition in Northeastern Africaâ€”A Marine Isotope Stage 7a/6 Late Acheulean Horizon from the EDAR 135 Site, Eastern Sahara (Sudan). Journal of Field Archaeology, 2021, 46, 513-533.	1.3	8
68	The major causes of Gotjawal formation in Jeju Island. Journal of the Geological Society of Korea, 2015, 51, 1.	0.7	7
69	Deposition from pyroclastic surges partially blocked by a topographic obstacle: an example from the Ilchulbong tuff cone, Jeju Island, Korea. Geosciences Journal, 2011, 15, 121-130.	1.2	6
70	Double injection events of mafic magma into supersolidus Yucheon granites to produce two types of mafic enclaves in the Cretaceous Gyeongsang Basin, SE Korea. Mineralogy and Petrology, 2014, 108, 207-229.	1.1	6
71	Distinct sedimentary processes reflected in the isotopic signatures of dolomitic concretions in the Miocene Pohang Basin (southwestern East Sea). Journal of Asian Earth Sciences, 2007, 29, 939-946.	2.3	5
72	Magnetic fabric (anisotropy of magnetic susceptibility) constraints on emplacement mechanism of clastic dikes. Journal of Geophysical Research: Solid Earth, 2017, 122, 3306-3333.	3.4	5

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73	Gold Miners on the Trail of the Earliest Humans in Eastern Saharan Africa. Investigating the Acheulean and Middle Stone Age in Sudanese Nubia. Journal of African Archaeology, 2021, 19, 235-244.	0.6	5
74	Magnetic assessment of OSL and radiocarbon ages of sediments beneath a lava in Jeju Island, Korea: Implication of possible resetting of OSL signals and age constraint of the late Quaternary lava. Quaternary Geochronology, 2018, 48, 45-63.	1.4	4
75	Palaeoenvironment and provenance of the Early Eocene arenaceous sequence of Neyshaboor, Binalud region, Iran. Arabian Journal of Geosciences, 2014, 7, 5455-5471.	1.3	3
76	Volcanoâ€“airâ€“sea interactions in a coastal tuff ring, Jeju Island, Korea. Geological Society Special Publication, 2023, 520, 507-522.	1.3	3
77	Microtextural evidence for vesiculated tuff formation in Songaksan tuff ring, Jeju Island, Korea. Journal of Volcanology and Geothermal Research, 2021, 417, 107311.	2.1	3
78	Formation and Evolution of the Miocene Ipcheon Subbasin in Yangbuk-myeon, Gyeongju, SE Korea. The Journal of the Petrological Society of Korea, 2013, 22, 19-34.	0.2	3
79	Determination of Rock Cleavages Using AMS (Anisotropy of Magnetic Susceptibility): a Case Study on the Geochang Granite Stone, Korea. The Journal of the Petrological Society of Korea, 2015, 24, 209-231.	0.2	2
80	The Middle Stone Age in the Eastern Desert. EDAR 135 â€" a buried early MIS 5 horizon from Sudan. Azania, 2022, 57, 155-196.	0.9	2
81	Geological record of a Cretaceous seismic event paired with multiple volcanic eruptions. Terra Nova, 2022, 34, 83-90.	2.1	1
82	Zeolitization of the Dacitic Tuff in the Miocene Janggi Basin, SE Korea. Economic and Environmental Geology, 2022, 55, 63-76.	0.4	1
83	Eruptive and depositional processes of a low-aspect-ratio ignimbrite (the Southern Kusandong Tuff,) Tj ETQq1 1 0.784314 rgBT /Over Geothermal Research, 2021, 419, 107374.	2.1	0
84	Magnetic fabric changes through thermal treatment: a case study on the Cretaceous Gusandong Tuff in the Gyeongsang Basin, Korea. Journal of the Geological Society of Korea, 2015, 51, 171.	0.7	0
85	Historical sedimentation at an artificial lake margin, Bangudae Petroglyphs site, SE Korea. Geosciences Journal, 2020, 24, 235-247.	1.2	0