Sung Hi Choi

List of Publications by Year
in descending order

55 papers	1,312 citations	331259 21 h-index	360668 35 g-index
56 all docs	56 docs citations	56 times ranked	1204 citing authors

#	Article	IF	Citations
1	Sr, Nd, Pb and Hf isotopic compositions of late Cenozoic alkali basalts in South Korea: Evidence for mixing between the two dominant asthenospheric mantle domains beneath East Asia. Chemical Geology, 2006, 232, 134-151.	1.4	158
2	Supra-subduction and abyssal mantle peridotites of the Coast Range ophiolite, California. Contributions To Mineralogy and Petrology, 2008, 156, 551-576.	1.2	149
3	Mantle dynamics beneath East Asia constrained by Sr, Nd, Pb and Hf isotopic systematics of ultramafic xenoliths and their host basalts from Hannuoba, North China. Chemical Geology, 2008, 248, 40-61.	1.4	81
4	Srâ€“Ndâ€“Pb isotope and trace element systematics of mantle xenoliths from Late Cenozoic alkaline lavas, South Korea. Chemical Geology, 2005, 221, 40-64.	1.4	66
5	Melt extraction and melt refertilization in mantle peridotite of the Coast Range ophiolite: an LAâ€“ICPâ€“MS study. Contributions To Mineralogy and Petrology, 2010, 159, 113-136.	1.2	65
6	Petrogenesis of Late Cenozoic basaltic rocks from southern Vietnam. Lithos, 2017, 272-273, 192-204.	0.6	61
7	Geochemical constraints on the spatial distribution of recycled oceanic crust in the mantle source of late Cenozoic basalts, Vietnam. Lithos, 2018, 296-299, 382-395.	0.6	48
8	Luâ€“Hf and Smâ€“Nd isotope systematics of Korean spinel peridotites: A case for metasomatically induced Ndâ€“Hf decoupling. Lithos, 2012, 154, 263-276.	0.6	42
9	Luâ€“Hf systematics of the ultra-high temperature Napier Metamorphic Complex in Antarctica: Evidence for the early Archean differentiation of Earth's mantle. Earth and Planetary Science Letters, 2006, 246, 305-316.	1.8	38
10	Luâ€“Hf and Reâ€“Os systematics of peridotite xenoliths from Spitsbergen, western Svalbard: Implications for mantleâ€“crust coupling. Earth and Planetary Science Letters, 2010, 297, 121-132.	1.8	37
11	Continuous supply of recycled Pacific oceanic materials in the source of Cenozoic basalts in SE China: the Zhejiang case. Contributions To Mineralogy and Petrology, 2016, 171, 1.	1.2	36
12	Serpentinite matrix mÃ©lange: Implications of mixed provenance for mÃ©lange formation. , 2011, , .		34
13	Geochemistry of peridotite xenoliths in alkali basalts from Jeju Island, Korea. Island Arc, 2002, 11, 221-235.	0.5	29
14	Initiation of Franciscan subduction along a large-offset fracture zone: Evidence from mantle peridotites, Stonyford, California. Geology, 2008, 36, 595.	2.0	27
15	Lithospheric mantle signatures as revealed by zircon Hf isotopes of Late Triassic postâ€collisional plutons from the central Korean peninsula, and their tectonic implications. Terra Nova, 2015, 27, 97-105.	0.9	27
16	Age and tectonic implications of Paleoproterozoic Deo Khe Granitoids within the Phan Si Pan Zone, Vietnam. Journal of Asian Earth Sciences, 2015, 111, 781-791.	1.0	26
17	Subduction initiation along transform faults: The proto-Franciscan subduction zone. Lithosphere, 2012, 4, 484-496.	0.6	25
18	Geochemical evolution of basaltic volcanism within the tertiary basins of southeastern Korea and the opening of the East Sea (Sea of Japan). Journal of Volcanology and Geothermal Research, 2013, 249, 109-122.	0.8	25

#	Article	IF	Citations
19	Petrogenesis and mantle source characteristics of the late Cenozoic Baekdusan (Changbaishan) basalts, North China Craton. Gondwana Research, 2020, 78, 156-171.	3.0	24
20	Geochemistry of olivine-hosted melt inclusions in the Baekdusan (Changbaishan) basalts: Implications for recycling of oceanic crustal materials into the mantle source. Lithos, 2017, 284-285, 194-206.	0.6	23
21	Origin of adakite-like plutons in southern Korea. Lithos, 2016, 262, 620-635.	0.6	22
22	Evolution of the lithospheric mantle beneath Mt. Baekdu (Changbaishan): Constraints from geochemical and Srâ€“Ndâ€“Hf isotopic studies on peridotite xenoliths in trachybasalt. Lithos, 2017, 286-287, 330-344.	0.6	22
23	Petrogenesis and mantle source characteristics of volcanic rocks on Jeju Island, South Korea. Lithos, 2019, 326-327, 476-490.	0.6	22
24	Deformation microstructures of olivine in peridotite from Spitsbergen, Svalbard and implications for seismic anisotropy. Journal of Metamorphic Geology, 2009, 27, 707-720.	1.6	21
25	Evolution of pantellerite-trachyte-phonolite volcanoes by fractional crystallization of basanite magma in a continental rift setting, Marie Byrd Land, Antarctica. Contributions To Mineralogy and Petrology, 2011, 162, 1175-1199.	1.2	21
26	Isotope geochemistry of Jeongok basalts, northernmost South Korea: Implications for the enriched mantle end-member component. Journal of Asian Earth Sciences, 2014, 91, 56-68.	1.0	19
27	Fossil subduction zone origin for magmas in the Ferrar Large Igneous Province, Antarctica: Evidence from PGE and Os isotope systematics in the Basement Sill of the McMurdo Dry Valleys. Earth and Planetary Science Letters, 2019, 506, 507-519.	1.8	19
28	Srâ€“Ndâ€“Hfâ€“Pb isotope geochemistry of basaltic rocks from the Cretaceous Gyeongsang Basin, South Korea: Implications for basin formation. Journal of Asian Earth Sciences, 2013, 73, 504-519.	1.0	17
29	Mineral chemistry of spinel peridotite xenoliths from Baengnyeong Island, South Korea, and its implications for the paleogeotherm of the uppermost mantle. Island Arc, 2005, 14, 236-253.	0.5	16
30	Extreme Srâ€“Ndâ€“Pbâ€“Hf isotopic compositions exhibited by the Tinaquillo peridotite massif, Northern Venezuela: implications for geodynamic setting. Contributions To Mineralogy and Petrology, 2007, 153, 443-463.	1.2	15
31	Geochemical and isotopic studies of the Cretaceous igneous rocks in the Yeongdong Basin, Korea: Implications for the origin of magmatism in pull-apart basin. Geosciences Journal, 2001, 5, 191-201.	0.6	11
32	Reconciling the shadow of a subduction signature with rift geochemistry and tectonic environment in Eastern Marie Byrd Land, Antarctica. Lithos, 2016, 260, 134-153.	0.6	10
33	Petrogenesis of Late Triassic ultramafic rocks from the Andong Ultramafic Complex, South Korea. Lithos, 2016, 264, 28-40.	0.6	8
34	Melt inclusions in olivine and plagioclase phenocrysts from Antarcticâ€“Phoenix Ridge basalts: Implications for origins of N- and E-type MORB parent magmas. Journal of Volcanology and Geothermal Research, 2013, 253, 75-86.	0.8	7
35	Dual origins for pantellerites, and other puzzles, at Mount Takahe volcano, Marie Byrd Land, West Antarctica. Lithos, 2018, 296-299, 142-162.	0.6	7
36	Petrogenesis of Mesozoic granites at Garorim Bay, South Korea: evidence for an exotic block within the southwestern Gyeonggi massif?. Geosciences Journal, 2019, 23, 1-20.	0.6	7

#	Article	IF	Citations
37	Geochemistry of anorthositic xenolith and host tholeiite basalt from Jeju Island, South Korea. Geosciences Journal, 2014, 18, 125-135.	0.6	6
38	Geochemistry and petrogenesis of Quaternary volcanic rocks from Ulleung Island, South Korea. Lithos, 2021, 380-381, 105874.	0.6	5
39	Zircon U-Pb geochronology and Srâ€“Ndâ€“Pbâ€“Hf isotope geochemistry for Permianâ€“Early Triassic arc-related magmatism in Pohang, Jangsari, and Yeongdeok, southeastern Korean Peninsula. Lithos, 2021, 382-383, 105930.	0.6	5
40	Geochemistry of volcanic rocks from Oldoinyo Lengai, Tanzania: Implications for mantle source lithology. Lithos, 2019, 350-351, 105223.	0.6	4
41	Geochemical studies on the mantle source lithologies of late Cenozoic alkali basalts from Baengnyeong, Pyeongtaek, and Asan in the Korean Peninsula. Lithos, 2021, 404-405, 106434.	0.6	4
42	Zinc isotopic systematics of the Mt. Baekdu and Jeju Island intraplate basalts in Korea, and implications for mantle source lithologies. Lithos, 2022, 416-417, 106659.	0.6	4
43	Petrogenesis of dunites from Gibbs Island, South Shetland Islands, Antarctica. Geosciences Journal, 2015, 19, 33-44.	0.6	3
44	Sulfide-scale insights into platinum-group element behavior during carbonate mantle metasomatism and evolution of Spitsbergen lithospheric mantle. Lithos, 2016, 246-247, 182-196.	0.6	3
45	Geochemical constraints on the evolution of the lithospheric mantle beneath central and southern Vietnam. Geosciences Journal, 2021, 25, 433-451.	0.6	3
46	Petrogenesis of anhydrous clinopyroxenite xenoliths and clinopyroxene megacrysts in alkali basalts from the Ganseong area of South Korea. Island Arc, 2012, 21, 101-117.	0.5	2
47	Peridotites and basaltic rocks within an ophiolitic mÃ©lange from the SW igneous province of Puerto Rico: relation to the evolution of the Caribbean Plate. Geological Magazine, 2017, 154, 96-118.	0.9	2
48	Basic Lunar Topography and Geology for Space Scientists. Uju Gisulgwa Eungyong, 2021, 1, 217-240.	0.1	2
49	Petrogenesis and tectonic implications of the late Paleoproterozoic (ca. 1.7ÂGa) post-collisional magmatism in the southwestern Gyeonggi Massif at Garorim Bay, South Korea. Journal of Asian Earth Sciences: X, 2021, 5, 100050.	0.6	1
50	Lu-Hf Isotopic Systematics and Its Applications for Geology. The Journal of the Petrological Society of Korea, 2014, 23, 229-237.	0.2	1
51	Highly refractory dunite formation at Gibbs Island and Bruce Bank, and its role in the evolution of the circum-Antarctic continent. Canadian Mineralogist, 2021, 59, 1731-1753.	0.3	1
52	Million-year-scale changes in the provenance of the Miocene Doumsan fan-delta system, Pohang Basin, SE Korea: Separating the effects of eustasy and tectonic subsidence. Sedimentary Geology, 2022, , 106180.	1.0	1
53	Oxygen isotopic heterogeneity of Pali Aike basaltic magmas from southern Patagonia as evidenced by oxygen isotope compositions of olivines. Geochemical Journal, 2015, 49, 83-101.	0.5	0
54	Geochronology and Sr-Nd-Pb-Hf-O isotope geochemistry of Miocene intrusive rocks from Tsushima Islands, Japan: Constraints on petrogenesis and tectonic setting. Lithos, 2021, 398-399, 106280.	0.6	0

#	Article	IF	Citations
55	SHRIMP U-Pb zircon ages of Jigokri migmatitic gneisses at Garorim bay, Southwestern Gyeonggi massif. Journal of the Geological Society of Korea, 2019, 55, 191-205.	0.3	0