Masahiko Honda

List of Publications by Year
in descending order

65 papers	3,570 citations	136740 32 h-index	128067 60 g-index
65 all docs	65 docs citations	65 times ranked	2029 citing authors

#	Article	IF	Citations
1	Primordial and recycled helium isotope signatures in the mantle transition zone. Science, 2019, 365, 692-694.	6.0	21
2	Contrasting noble gas compositions of peridotitic and eclogitic monocrystalline diamonds from the Argyle lamproite, Western Australia. Lithos, 2019, 344-345, 193-206.	0.6	6
3	Diamond-forming media through time â€“ Trace element and noble gas systematics of diamonds formed over 3 billion years of Earthâ€™s history. Geochimica Et Cosmochimica Acta, 2019, 257, 266-283.	1.6	9
4	U-Th/He systematics of fluid-rich â€˜fibrousâ€™ diamonds â€“ Evidence for pre- and syn-kimberlite eruption ages. Chemical Geology, 2019, 515, 22-36.	1.4	11
5	Quaternary volcanic evolution in the continental back-arc of southern Mendoza, Argentina. Journal of South American Earth Sciences, 2018, 84, 88-103.	0.6	7
6	Production of 21Ne in depth-profiled olivine from a 54 Ma basalt sequence, Eastern Highlands (37Â° S), Australia. Geochimica Et Cosmochimica Acta, 2018, 220, 276-290.	1.6	0
7	Noble gas geochemistry of fluid inclusions in South African diamonds: implications for the origin of diamond-forming fluids. Mineralogy and Petrology, 2018, 112, 181-195.	0.4	11
8	Hydrothermal Fluid Origins of Carbonate-Hosted Pb-Zn Deposits of the Sanjiang Thrust Belt, Tibetï¼šIndications from Noble Gases and Halogens. Economic Geology, 2017, 112, 1247-1268.	1.8	26
9	Minimisation of pressure dependent mass discrimination in the ion source of the Helix MC Plus noble gas mass spectrometer. Chemical Geology, 2017, 473, 50-54.	1.4	4
10	Astronomical calibration of 40Ar/39Ar reference minerals using high-precision, multi-collector (ARGUSVI) mass spectrometry. Geochimica Et Cosmochimica Acta, 2017, 196, 351-369.	1.6	67
11	Performance of the High Resolution, Multi-collector Helix MC Plus Noble Gas Mass Spectrometer at the Australian National University. Journal of the American Society for Mass Spectrometry, 2016, 27, 1937-1943.	1.2	12
12	Redetermination of the 21Ne relative abundance of the atmosphere, using a high resolution, multi-collector noble gas mass spectrometer (HELIX-MC Plus). International Journal of Mass Spectrometry, 2015, 387, 1-7.	0.7	34
13	Halogens and noble gases in Mathematician Ridge meta-gabbros, NE Pacific: implications for oceanic hydrothermal root zones and global volatile cycles. Contributions To Mineralogy and Petrology, 2015, 170, 1.	1.2	31
14	Cosmogenic 3He and 21Ne surface exposure dating of young basalts from Southern Mendoza, Argentina. Quaternary Geochronology, 2014, 19, 76-86.	0.6	25
15	Subduction-related halogens (Cl, Br and I) and H2O in magmatic glasses from Southwest Pacific Backarc Basins. Earth and Planetary Science Letters, 2014, 400, 165-176.	1.8	52
16	Subduction zone fluxes of halogens and noble gases in seafloor and forearc serpentinites. Earth and Planetary Science Letters, 2013, 365, 86-96.	1.8	137
17	Quantifying brine assimilation by submarine magmas: Examples from the GalÃ¡pagos Spreading Centre and Lau Basin. Geochimica Et Cosmochimica Acta, 2013, 123, 150-165.	1.6	98
18	Noble gas and carbon isotope ratios in Argyle diamonds, Western Australia: Evidence for a deeply subducted volatile component. Australian Journal of Earth Sciences, 2012, 59, 1135-1142.	0.4	7

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19	Halogen systematics (Cl, Br, I) in Mid-Ocean Ridge Basalts: A Macquarie Island case study. Geochimica Et Cosmochimica Acta, 2012, 81, 82-93.	1.6	83
20	High abundances of noble gas and chlorine delivered to the mantle by serpentinite subduction. Nature Geoscience, 2011, 4, 807-812.	5.4	201
21	The noble gas systematics of late-orogenic H2Oâ€“CO2 fluids, Mt Isa, Australia. Geochimica Et Cosmochimica Acta, 2011, 75, 1428-1450.	1.6	35
22	He, Ne and Ar in peridotitic and eclogitic paragenesis diamonds from the Jwaneng kimberlite, Botswanaâ€"Implications for mantle evolution and diamond formation ages. Earth and Planetary Science Letters, 2011, 301, 43-51.	1.8	9
23	Fluid sources and the role of abiogenic-CH4 in Archean gold mineralization: Constraints from noble gases and halogens. Precambrian Research, 2011, 189, 313-327.	1.2	51
24	Co-rich sulfides in mantle peridotites from Penghu Islands, Taiwan: Footprints of Proterozoic mantle plumes under the Cathaysia Block. Journal of Asian Earth Sciences, 2010, 37, 229-245.	1.0	14
25	Cosmogenic 21Ne exposure dating of young basaltic lava flows from the Newer Volcanic Province, western Victoria, Australia. Quaternary Geochronology, 2010, 5, 1-9.	0.6	31
26	New constraints on regional brecciation in the Wernecke Mountains, Canada, from He, Ne, Ar, Kr, Xe, Cl, Br and I in fluid inclusions. Chemical Geology, 2008, 255, 33-46.	1.4	24
27	â€œRecycledâ€•volatiles in mantle-derived diamondsâ€" Evidence from nitrogen and noble gas isotopic data. Earth and Planetary Science Letters, 2006, 252, 215-219.	1.8	10
28	Global cooling initiated stony deserts in central Australia 2â€“4 Ma, dated by cosmogenic 21Ne-10Be. Geology, 2005, 33, 993.	2.0	137
29	A primordial solar-neon enriched component in the source of EM-I-type ocean island basalts from the Pitcairn Seamounts, Polynesia. Earth and Planetary Science Letters, 2005, 236, 597-612.	1.8	43
30	Isotope fractionation of neon during stepheating extraction?: a comment on â€˜Reâ€•interpretation of the existence of a primitive plume under Australia based on neon isotope fractionation during step heatingâ€™ by Gautheron and Moreira (2003). Terra Nova, 2004, 16, 23-26.	0.9	13
31	Unusual noble gas compositions in polycrystalline diamonds: preliminary results from the Jwaneng kimberlite, Botswana. Chemical Geology, 2004, 203, 347-358.	1.4	31
32	Radiogenic, nucleogenic and fissiogenic noble gas compositions in early Archaean magmatic zircons from Greenland. Geochemical Journal, 2004, 38, 265-269.	0.5	8
33	Xenon compositions of magmatic zircons in 3.64 and 3.81 Ga meta-granitoids from Greenland â€“ a search for extinct 244Pu in ancient terrestrial rocks. Earth and Planetary Science Letters, 2003, 207, 69-82.	1.8	15
34	Noble gases in pyroxenites and metasomatised peridotites from the Newer Volcanics, southeastern Australia: implications for mantle metasomatism. Chemical Geology, 2000, 168, 49-73.	1.4	73
35	Preservation of near-solar neon isotopic ratios in Icelandic basalts. Earth and Planetary Science Letters, 2000, 180, 309-324.	1.8	88
36	Systematic elemental fractionation of mantle-derived helium, neon, and argon in mid-oceanic ridge glasses. Geochimica Et Cosmochimica Acta, 1999, 63, 2863-2874.	1.6	78

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37	Widespread assimilation of a seawater-derived component at Loihi Seamount, Hawaii. Geochimica Et Cosmochimica Acta, 1999, 63, 2749-2761.	1.6	96
38	Systematic elemental fractionation of helium, neon and argon in MORB glasses. Science Bulletin, 1998, 43, 53-53.	1.7	1
39	Noble gases in anhydrous lherzolites from the newer volcanics, southeastern Australia: a MORB-like reservoir in the subcontinental mantle. Geochimica Et Cosmochimica Acta, 1998, 62, 2521-2533.	1.6	75
40	Primordial helium and neon in the Earth-A speculation on early degassing. Geophysical Research Letters, 1998, 25, 1951-1954.	1.5	55
41	Production of nucleogenic neon in the Earth from natural radioactive decay. Journal of Geophysical Research, 1997, 102, 10291-10298.	3.3	163
42	Plume-like neon in a metasomatic apatite from the Australian lithospheric mantle. Nature, 1997, 388, 162-164.	13.7	83
43	Helium, neon and argon isotope systematics in Kerguelen ultramafic xenoliths: implications for mantle source signatures. Earth and Planetary Science Letters, 1996, 138, 29-38.	1.8	66
44	Isotopic tracing of volcanic source regions from Hawaii: decoupling of gaseous from lithophile magma components. Earth and Planetary Science Letters, 1996, 144, 185-198.	1.8	59
45	Noble gases in mafic phenocrysts and xenoliths from New Zealand. Geochimica Et Cosmochimica Acta, 1994, 58, 4411-4427.	1.6	60
46	Solar noble gases in the Earth: The systematics of helium-neon isotopes in mantle derived samples. Lithos, 1993, 30, 257-265.	0.6	56
47	Noble gases in submarine pillow basalt glasses from the Lau Basin: Detection of a solar component in backarc basin basalts. Earth and Planetary Science Letters, 1993, 120, 135-148.	1.8	57
48	Noble gases in submarine pillow basalt glasses from Loihi and Kilauea, Hawaii: A solar component in the Earth. Geochimica Et Cosmochimica Acta, 1993, 57, 859-874.	1.6	195
49	Contamination of Loihi magmas with atmosphere derived noble gases: A Reply to Comments by T. Staudacher, P. Sarda and C. Allegre. Geophysical Research Letters, 1991, 18, 749-752.	1.5	9
50	Possible solar noble-gas component in Hawaiian basalts. Nature, 1991, 349, 149-151.	13.7	297
51	Terrestrial primordial neon. Nature, 1991, 352, 388-388.	13.7	3
52	Atmospheric contamination: A possible source for heavy noble gases in basalts from Loihi Seamount, Hawaii. Geophysical Research Letters, 1990, 17, 705-708.	1.5	92
53	I-Xe systematics in LL chondrites. Geochimica Et Cosmochimica Acta, 1988, 52, 1113-1121.	1.6	23
54	U-Th-He dating of apatite: A potential thermochronometer. Geochimica Et Cosmochimica Acta, 1987, 51, 2865-2868.	1.6	270

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55	Noble gases in diamonds: Occurrences of solarlike helium and neon. Journal of Geophysical Research, 1987, 92, 12507-12521.	3.3	89
56	Age determinations of eastern Pacific seamounts (Henderson, 6 and 7) â€" Implications for near-ridge and intraplate volcanism. Marine Geology, 1987, 74, 79-84.	0.9	17
57	40Ar/39Ar geochronology of mafic rocks from the graniteâ€"rhyolite terrane of southeastern Missouri. Precambrian Research, 1985, 27, 301-306.	1.2	7
58	The atmospheric inventory of xenon and noble gases in shales: THE PLASTIC BAG EXPERIMENT. Journal of Geophysical Research, 1984, 89, 4597-4611.	3.3	49
59	Summary of geochronological studies of submarine rocks from the western Pacific Ocean. Geodynamic Series, 1983, , 137-142.	0.1	23
60	Experimental studies of He and Ar degassing during rock fracturing. Earth and Planetary Science Letters, 1982, 59, 429-436.	1.8	51
61	Sedimentary noble gases. Geochimica Et Cosmochimica Acta, 1980, 44, 1875-1884.	1.6	112
62	Trapping of rare gases during the condensation of solids. Earth and Planetary Science Letters, 1979, 43, 197-200.	1.8	8
63	Sea water weathering effect on K-Ar age of submarine basalts. Geochimica Et Cosmochimica Acta, 1977, 41, 453-461.	1.6	17
64	40Ar-39Ar ages of guyots in the western Pacific and discussion of their evolution. Geophysical Journal International, 1977, 51, 475-485.	1.0	30
65	Primordial Solar Noble-Gas Component in the Earth: Consequences for the Origin and Evolution of the Earth and Its Atmosphere. , 0, , 159-188.		5