Takuya Matsumoto

List of Publications by Year in descending order

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24	379	1040056	794594
papers	citations	9 h-index	19 g-index

24	24	24	425
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tritium in Japanese precipitation following the March 2011 Fukushima Daiichi Nuclear Plant accident. Science of the Total Environment, 2013, 445-446, 365-370.	8.0	66
2	3He/4He ratios in well gases in the Kinki district, SW Japan: surface appearance of slab-derived fluids in a non-volcanic area in Kii Peninsula. Earth and Planetary Science Letters, 2003, 216, 221-230.	4.4	61
3	Continental degassing of 4He by surficial discharge of deep groundwater. Nature Geoscience, 2015, 8, 35-39.	12.9	56
4	Application of combined 81Kr and 4He chronometers to the dating of old groundwater in a tectonically active region of the North China Plain. Earth and Planetary Science Letters, 2018, 493, 208-217.	4.4	38
5	Krypton-81 dating of the deep Continental Intercalaire aquifer with implications for chlorine-36 dating. Earth and Planetary Science Letters, 2020, 535, 116120.	4.4	18
6	The IAEAâ€™s Coordinated Research Project on â€œEstimation of Groundwater Recharge and Discharge by Using the Tritium, Helium-3 Dating Techniqueâ€: In Lieu of a Preface. Geochemical Journal, 2017, 51, 385-390.	1.0	18
7	Primordial noble gases in a graphiteâ€metal inclusion from the Canyon Diablo IAB iron meteorite and their implications. Meteoritics and Planetary Science, 2005, 40, 431-443.	1.6	15
8	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.	2.1	13
9	New evidences on groundwater dynamics from the Souss-Massa system (Morocco): Insights gained from dissolved noble gases. Applied Geochemistry, 2019, 109, 104395.	3.0	11
10	Tritium and iodine-129 concentrations in precipitation at Tsukuba, Japan, after the Fukushima Daiichi Nuclear Power Plant accident. Geochemical Journal, 2017, 51, 449-455.	1.0	10
11	Groundwater recharge and residence times evaluated by isotopes of hydrogen and oxygen, noble gases and CFCs in a mountain catchment in the Jizera Mts., northern Czech Republic. Geochemical Journal, 2017, 51, 423-437.	1.0	10
12	Noble gases in Muong Nongâ€type tektites and their implications. Meteoritics and Planetary Science, 2003, 38, 747-758.	1.6	8
13	Using isotope data to characterize and date groundwater in the southern sector of the GuaranÃ-Aquifer System. Isotopes in Environmental and Health Studies, 2020, 56, 533-550.	1.0	7
14	Testing tritium-helium groundwater dating in the Chalk aquifer of the Berkshire Downs, UK. Geochemical Journal, 2017, 51, 409-421.	1.0	7
15	Argon isotope ratio of the plume-source deduced from high-resolution stepwise crushing extraction. Geochemical Journal, 2008, 42, 39-49.	1.0	6
16	Noble gas mass spectrometry with a compressor driven recycling system for improved sensitivity. Geochemical Journal, 2010, 44, 167-172.	1.0	6
17	A Portable Membrane Contactor Sampler for Analysis of Noble Gases in Groundwater. Ground Water, 2013, 51, 461-468.	1.3	6
18	Groundwater responses to recharge in the Gacka Area, Croatia, as revealed by stable isotopes, tritium, CFCs and noble gases. Geochemical Journal, 2017, 51, 391-407.	1.0	5

#	Article	IF	Citations
19	Improved method for highly precise and accurate ¹⁸²W/¹⁸⁴W isotope measurements by multiple collector inductively coupled plasma mass spectrometry and application for terrestrial samples. Geochemical Journal, 2020, 54, 117-127.	1.0	5
20	Application of isotope techniques to study groundwater resources in the unconsolidated aquifers along the Ping River (Thailand). Isotopes in Environmental and Health Studies, 2020, 56, 95-110.	1.0	4
21	Distribution of noble gases in Chinese tektites: Implication for neon solubility in natural glasses. Meteoritics and Planetary Science, 2004, 39, 87-96.	1.6	3
22	Investigation of paleoclimate signatures in Sfax deep groundwater (Southeastern Tunisia) using environmental isotopes and noble gases. Quaternary International, 2020, 547, 208-219.	1.5	3
23	The Effect of the Collector in the Precise Measurement of Argon Isotopic Ratios. Journal of the Mass Spectrometry Society of Japan, 2007, 55, 378-380.	0.1	2
24	Optimization of a portable hollow-fiber-based device for extracting radiokrypton dissolved in deep groundwater and selection of 222Rn as an indicator of Kr extraction efficiency. Journal of Hydrology, 2019, 574, 476-485.	5.4	1