Hiroaki Toh

List of Publications by Year
in descending order

14	212	1163117	1058476
papers	citations	8 h-index	14 g-index

19	19	19	115
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetic Signatures of the 15 January 2022 Hunga Tongaâ€“Hunga Ha'apai Volcanic Eruption. Geophysical Research Letters, 2022, 49, .	4.0	24
2	Tsunami-generated magnetic fields have primary and secondary arrivals like seismic waves. Scientific Reports, 2021, 11, 2287.	3.3	11
3	Correction to: Estimation of bulk permittivity of the Moonâ€™s surface using Lunar Radar Sounder on-board Selenological and Engineering Explorer. Earth, Planets and Space, 2021, 73, .	2.5	1
4	Direct Comparison of the Tsunamiâ€Generated Magnetic Field With Sea Level Change for the 2009 Samoa and 2010 Chile Tsunamis. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022760.	3.4	7
5	Estimation of bulk permittivity of the Moonâ€™s surface using Lunar Radar Sounder on-board Selenological and Engineering Explorer. Earth, Planets and Space, 2020, 72, .	2.5	6
6	Threeâ€Dimensional Time Domain Simulation of Tsunamiâ€Generated Electromagnetic Fields: Application to the 2011 Tohoku Earthquake Tsunami. Journal of Geophysical Research: Solid Earth, 2017, 122, 9559-9579.	3.4	13
7	Tsunami-generated magnetic fields may constrain focal mechanisms of earthquakes. Scientific Reports, 2016, 6, 28603.	3.3	12
8	Timeâ€“Frequency Characteristics of Tsunami Magnetic Signals from Four Pacific Ocean Events. Pure and Applied Geophysics, 2016, 173, 3935-3953.	1.9	15
9	Timeâ€“Frequency Characteristics of Tsunami Magnetic Signals from Four Pacific Ocean Events. Pageoph Topical Volumes, 2016, , 3935-3953.	0.2	4
10	Properties of electromagnetic fields generated by tsunami first arrivals: Classification based on the ocean depth. Geophysical Research Letters, 2015, 42, 2171-2178.	4.0	19
11	Tidal signals in ocean-bottom magnetic measurements of the Northwestern Pacific: observation versus prediction. Geophysical Journal International, 2014, 198, 1096-1110.	2.4	36
12	Twoâ€dimensional simulations of the tsunami dynamo effect using the finite element method. Geophysical Research Letters, 2013, 40, 4560-4564.	4.0	19
13	Tsunami signals from the 2006 and 2007 Kuril earthquakes detected at a seafloor geomagnetic observatory. Journal of Geophysical Research, 2011, 116, .	3.3	39
14	Mantle upwelling revealed by genetic algorithm inversion of the magnetovariational anomaly around Kyushu island, Japan. Journal of Geophysical Research, 2008, 113, .	3.3	6