

# Hiroaki Toh

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

212  
citations

1163117

8  
h-index

1058476

14  
g-index

19  
all docs

19  
docs citations

19  
times ranked

115  
citing authors

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