List of Publications by Year in descending order

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Δριτνά Ομεμανί

| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Five years after the 14 November 2016 KaikÅura Tsunami in Aotearoa-New Zealand: insights from recent<br>research. New Zealand Journal of Geology, and Geophysics, 2023, 66, 147-161.        | 1.8 | 3         |
| 2  | Sensitivity of Tsunami Data to the Up-Dip Extent of the July 2021 MwÂ8.2 Alaska Earthquake.<br>Seismological Research Letters, 2022, 93, 1992-2003.   | 1.9 | 8         |
| 3  | A 1000-yr-old tsunami in the Indian Ocean points to greater risk for East Africa: REPLY. Geology, 2021,<br>49, e516-e516.   | 4.4 | 0         |
| 4  | Source modeling and spectral analysis of the Crete tsunami of 2nd May 2020 along the Hellenic<br>Subduction Zone, offshore Greece. Earth, Planets and Space, 2021, 73, .                    | 2.5 | 17        |
| 5  | Tsunami Induced by the Strikeâ€5lip Fault of the 2018 Palu Earthquake ( <i>M<sub>w</sub></i> = 7.5),<br>Sulawesi Island, Indonesia. Earth and Space Science, 2021, 8, e2020EA001400.        | 2.6 | 5         |
| 6  | Tsunami Source of the 2021 <i>M</i> <sub>W</sub> 8.1 Raoul Island Earthquake From DART and<br>Tideâ€Gauge Data Inversion. Geophysical Research Letters, 2021, 48, e2021GL094449.            | 4.0 | 14        |
| 7  | Regional probabilistic tsunami hazard assessment associated with active faults along the eastern<br>margin of the Sea of Japan. Earth, Planets and Space, 2020, 72, .                       | 2.5 | 28        |
| 8  | Reduction effect of tsunami sediment transport by a coastal forest: Numerical simulation of the 2011<br>Tohoku tsunami on the Sendai Plain, Japan. Sedimentary Geology, 2020, 407, 105740.  | 2.1 | 5         |
| 9  | Source Process for Two Enigmatic Repeating Verticalâ€T CLVD Tsunami Earthquakes in the Kermadec<br>Ridge. Geophysical Research Letters, 2020, 47, e2020GL087805.                            | 4.0 | 4         |
| 10 | Applying a Deep Learning Algorithm to Tsunami Inundation Database of Megathrust Earthquakes.<br>Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB019690.                     | 3.4 | 12        |
| 11 | A 1000-yr-old tsunami in the Indian Ocean points to greater risk for East Africa. Geology, 2020, 48,<br>808-813.  | 4.4 | 20        |
| 12 | Determination of Source Models Appropriate for Tsunami Forecasting: Application to Tsunami<br>Earthquakes in Central Sumatra, Indonesia. Pure and Applied Geophysics, 2020, 177, 2551-2562. | 1.9 | 8         |
| 13 | Advanced tsunami detection and forecasting by radar on unconventional airborne observing platforms. Scientific Reports, 2020, 10, 2412.   | 3.3 | 12        |
| 14 | Application of Dense Offshore Tsunami Observations from Ocean Bottom Pressure Gauges (OBPGs)<br>for Tsunami Research and Early Warnings. Springer Natural Hazards, 2019, , 7-22.            | 0.3 | 3         |
| 15 | Generation mechanism of large later phases of the 2011 Tohoku-oki tsunami causing damages in<br>Hakodate, Hokkaido, Japan. Progress in Earth and Planetary Science, 2019, 6, .              | 3.0 | 9         |
| 16 | Source Model for the Tsunami Inside Palu Bay Following the 2018 Palu Earthquake, Indonesia.<br>Geophysical Research Letters, 2019, 46, 8721-8730.   | 4.0 | 55        |
| 17 | An Optimized Array Configuration of Tsunami Observation Network Off Southern Java, Indonesia.<br>Journal of Geophysical Research: Solid Earth, 2019, 124, 9622-9637.                        | 3.4 | 18        |
| 18 | Tsunami history over the past 2000 years on the Sanriku coast, Japan, determined using gravel deposits to estimate tsunami inundation behavior. Sedimentary Geology, 2019, 382, 85-102.     | 2.1 | 17        |

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| 19 | Tsunami Hazard and Built Environment Damage Observations from Palu City after the September 28 2018 Sulawesi Earthquake and Tsunami. Pure and Applied Geophysics, 2019, 176, 3305-3321.  | 1.9                | 52             |
| 20 | Fault source of the 2 September 2009 Mw 6.8 Tasikmalaya intraslab earthquake, Indonesia: Analysis<br>from GPS data inversion, tsunami height simulation, and stress transfer. Physics of the Earth and<br>Planetary Interiors, 2019, 291, 54-61. | 1.9                | 23             |
| 21 | Tsunami Data Assimilation Without a Dense Observation Network. Geophysical Research Letters, 2019, 46, 2045-2053.  | 4.0                | 19             |
| 22 | Improving Forecast Accuracy With Tsunami Data Assimilation: The 2009 Dusky Sound, New Zealand,<br>Tsunami. Journal of Geophysical Research: Solid Earth, 2019, 124, 566-577.   | 3.4                | 15             |
| 23 | An Adjoint Sensitivity Method Applied to Time Reverse Imaging of Tsunami Source for the 2009 Samoa<br>Earthquake. Geophysical Research Letters, 2018, 45, 627-636.   | 4.0                | 22             |
| 24 | Optimum Sea Surface Displacement and Fault Slip Distribution of the 2017 Tehuantepec Earthquake ( M) Tj ETQ  | 9q0_0_0 rgE<br>4.0 | 3T /gverlock : |
| 25 | Data assimilation with dispersive tsunami model: a test for the Nankai Trough. Earth, Planets and Space, 2018, 70, .   | 2.5                | 16             |
| 26 | Adaptive Tsunami Source Inversion Using Optimizations and the Reciprocity Principle. Journal of Geophysical Research: Solid Earth, 2018, 123, 10,749.  | 3.4                | 9              |
| 27 | Alternative to non-linear model for simulating tsunami inundation in real-time. Geophysical Journal<br>International, 2018, 214, 2002-2013.  | 2.4                | 19             |
| 28 | Contribution from Multiple Fault Ruptures to Tsunami Generation During the 2016 Kaikoura<br>Earthquake. Pure and Applied Geophysics, 2018, 175, 2557-2574.   | 1.9                | 18             |
| 29 | Sediment transport modeling of multiple grain sizes for the 2011 Tohoku tsunami on a steep coastal valley of Numanohama, northeast Japan. Marine Geology, 2018, 405, 77-91.  | 2.1                | 14             |
| 30 | Near-field tsunami inundation forecast method assimilating ocean bottom pressure data: A synthetic test for the 2011 Tohoku-oki tsunami. Physics of the Earth and Planetary Interiors, 2018, 283, 82-91.   | 1.9                | 13             |
| 31 | Rupture process of the 2016 Wharton Basin strikeâ€slip faulting earthquake estimated from joint<br>inversion of teleseismic and tsunami waveforms. Geophysical Research Letters, 2017, 44, 4082-4089.  | 4.0                | 20             |
| 32 | Effects of topography on particle composition of 2011 tsunami deposits on the ria-type Sanriku coast,<br>Japan. Quaternary International, 2017, 456, 17-27.  | 1.5                | 12             |
| 33 | Green's Functionâ€Based Tsunami Data Assimilation: A Fast Data Assimilation Approach Toward Tsunami<br>Early Warning. Geophysical Research Letters, 2017, 44, 10,282.  | 4.0                | 37             |
| 34 | Pre-computed tsunami inundation database and forecast simulation in Pelabuhan Ratu, Indonesia. Pure and Applied Geophysics, 2017, 174, 3219-3235.  | 1.9                | 19             |
| 35 | Method to Determine Appropriate Source Models of Large Earthquakes Including Tsunami Earthquakes for Tsunami Early Warning in Central America. Pure and Applied Geophysics, 2017, 174, 3237-3248.  | 1.9                | 11             |
| 36 | Optimal Design for Placements of Tsunami Observing Systems to Accurately Characterize the Inducing<br>Earthquake. Geophysical Research Letters, 2017, 44, 12,106.  | 4.0                | 24             |

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| 37 | Preparing for the Future Nankai Trough Tsunami: A Data Assimilation and Inversion Analysis From<br>Various Observational Systems. Journal of Geophysical Research: Oceans, 2017, 122, 7924-7937.  | 2.6   | 26        |
| 38 | Fault Slip Distribution of the 2016 Fukushima Earthquake Estimated from Tsunami Waveforms. Pure<br>and Applied Geophysics, 2017, 174, 2925-2943.  | 1.9   | 33        |
| 39 | Re-evaluation of Earthquake and Tsunami Magnitudes of the 1906 Great Ecuador-Colombia Earthquake.<br>Zisin (Journal of the Seismological Society of Japan 2nd Ser ), 2017, 69, 87-98.   | 0.2   | 3         |
| 40 | A possible space-based tsunami early warning system using observations of the tsunami ionospheric hole. Scientific Reports, 2016, 6, 37989.   | 3.3   | 33        |
| 41 | Comparative study of two tsunamigenic earthquakes in the Solomon Islands: 2015<br><i>M<sub>w</sub></i> 7.0 normalâ€fault and 2013 Santa Cruz <i>M<sub>w</sub></i> 8.0 megathrust<br>earthquakes. Geophysical Research Letters, 2016, 43, 4340-4349. | t 4.0 | 33        |
| 42 | Estimate of tsunami source using optimized unit sources and including dispersion effects during<br>tsunami propagation: The 2012 Haida Gwaii earthquake. Geophysical Research Letters, 2016, 43,<br>9819-9828.                                      | 4.0   | 19        |
| 43 | Source model of the 16 September 2015 Illapel, Chile, <i>M<sub>w</sub></i> 8.4 earthquake based on teleseismic and tsunami data. Geophysical Research Letters, 2016, 43, 643-650.   | 4.0   | 111       |
| 44 | Tsunami data assimilation of Cascadia seafloor pressure gauge records from the 2012 Haida Gwaii<br>earthquake. Geophysical Research Letters, 2016, 43, 4189-4196.   | 4.0   | 61        |
| 45 | Tsunamis from the 29 March and 5 May 2015 Papua New Guinea earthquake doublet<br>( <i>M<sub>w</sub></i> 7.5) and tsunamigenic potential of the New Britain trench. Geophysical<br>Research Letters, 2015, 42, 5958-5965.                            | 4.0   | 7         |
| 46 | Array Observations of the 2012 Haida Gwaii Tsunami Using Cascadia Initiative Absolute and Differential<br>Seafloor Pressure Gauges. Seismological Research Letters, 2015, 86, 1278-1286.  | 1.9   | 19        |
| 47 | Fault slip distribution of the 2014 Iquique, Chile, earthquake estimated from oceanâ€wide tsunami<br>waveforms and GPS data. Geophysical Research Letters, 2015, 42, 1053-1060.   | 4.0   | 121       |
| 48 | Deep-Water Characteristics of the Trans-Pacific Tsunami from the 1 April 2014 M w 8.2 Iquique, Chile<br>Earthquake. Pure and Applied Geophysics, 2015, 172, 719-730.  | 1.9   | 34        |
| 49 | Effectiveness of Real-Time Near-Field Tsunami Inundation Forecasts for Tsunami Evacuation in Kushiro<br>City, Hokkaido, Japan. Advances in Natural and Technological Hazards Research, 2015, , 157-177.   | 1.1   | 7         |
| 50 | W Phase Inversion and Tsunami Inundation Modeling for Tsunami Early Warning: Case Study for the 2011 Tohoku Event. Pure and Applied Geophysics, 2014, 171, 1409-1422.   | 1.9   | 29        |
| 51 | A methodology for nearâ€field tsunami inundation forecasting: Application to the 2011 Tohoku tsunami.<br>Journal of Geophysical Research: Solid Earth, 2014, 119, 8186-8206.  | 3.4   | 63        |
| 52 | Real-Time Tsunami Inundation Forecast for a Recurrence of 17thCentury Great Hokkaido Earthquake in<br>Japan. Journal of Disaster Research, 2014, 9, 358-364.  | 0.7   | 10        |
| 53 | Tsunami Source of the 2010 Mentawai, Indonesia Earthquake Inferred from Tsunami Field Survey and Waveform Modeling. Pure and Applied Geophysics, 2013, 170, 1567-1582.  | 1.9   | 90        |
| 54 | Comparison of Earthquake Source Models for the 2011 Tohoku Event Using Tsunami Simulations and Near-Field Observations. Bulletin of the Seismological Society of America, 2013, 103, 1256-1274.   | 2.3   | 64        |

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| 55 | Effect of the largest foreshock (Mw 7.3) on triggering the 2011 Tohoku earthquake (Mw 9.0).<br>Geophysical Research Letters, 2013, 40, 497-500.   | 4.0 | 9         |
| 56 | Numerical experiment and a case study of sediment transport simulation of the 2004 Indian Ocean<br>tsunami in Lhok Nga, Banda Aceh, Indonesia. Earth, Planets and Space, 2012, 64, 817-827.   | 2.5 | 31        |
| 57 | Source model of the great 2011 Tohoku earthquake estimated from tsunami waveforms and crustal deformation data. Earth and Planetary Science Letters, 2012, 341-344, 234-242.  | 4.4 | 93        |
| 58 | Reexamination of Occurrence of Large Tsunamis after the Analysis of the 2011 Great Tohoku-oki<br>Earthquake. Zisin (Journal of the Seismological Society of Japan 2nd Ser ), 2012, 64, 265-270.   | 0.2 | 2         |
| 59 | Tsunamigenic ionospheric hole. Geophysical Research Letters, 2012, 39, .  | 4.0 | 78        |
| 60 | Tsunami Hazard Mitigation at Palabuhanratu, Indonesia. Journal of Disaster Research, 2012, 7, 19-25.  | 0.7 | 13        |
| 61 | Sedimentary Deposits from the 17 July 2006 Western Java Tsunami, Indonesia: Use of Grain Size Analyses<br>to Assess Tsunami Flow Depth, Speed, and Traction Carpet Characteristics. Pure and Applied<br>Geophysics, 2011, 168, 1951-1961. | 1.9 | 67        |
| 62 | Slip distribution of the 2007 Bengkulu earthquake inferred from tsunami waveforms and InSAR data.<br>Journal of Geophysical Research, 2010, 115, .  | 3.3 | 52        |
| 63 | Analysis of the Tsunami Generated by the Great 1977 Sumba Earthquake that Occurred in Indonesia.<br>Bulletin of the Seismological Society of America, 2009, 99, 2169-2179.  | 2.3 | 35        |
| 64 | In situ Measurements of Tide Gauge Response and Corrections of Tsunami Waveforms from the<br>Niigataken Chuetsu-oki Earthquake in 2007. Pure and Applied Geophysics, 2009, 166, 97-116.   | 1.9 | 9         |
| 65 | In situ Measurements of Tide Gauge Response and Corrections of Tsunami Waveforms from the<br>Niigataken Chuetsu-oki Earthquake in 2007. , 2009, , 97-116.   |     | 0         |
| 66 | Extreme runup from the 17 July 2006 Java tsunami. Geophysical Research Letters, 2007, 34, .   | 4.0 | 120       |