

Yohei Hamada

List of Publications by Year in descending order

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53
papers

876
citations

471509

17
h-index

501196

28
g-index

55
all docs

55
docs citations

55
times ranked

886
citing authors

#	ARTICLE	IF	CITATIONS
1	Tectonic mélange as fault rock of subduction plate boundary. <i>Tectonophysics</i> , 2012, 568-569, 25-38.	2.2	97
2	Runaway slip to the trench due to rupture of highly pressurized megathrust beneath the middle trench slope: The tsunamigenesis of the 2011 Tohoku earthquake off the east coast of northern Japan. <i>Earth and Planetary Science Letters</i> , 2012, 339-340, 32-45.	4.4	81
3	Clay mineral reactions caused by frictional heating during an earthquake: An example from the Taiwan Chelungpu fault. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	66
4	Temperature limits to deep seafloor life in the Nankai Trough subduction zone. <i>Science</i> , 2020, 370, 1230-1234.	12.6	65
5	A chemical kinetic approach to estimate dynamic shear stress during the 1999 Taiwan Chi-Chi earthquake. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	51
6	Estimation of temperature rise in a shallow slip zone of the megasplay fault in the Nankai Trough. <i>Tectonophysics</i> , 2009, 478, 215-220.	2.2	34
7	Site C0002. <i>Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program</i> , 0, , .	1.0	28
8	Energy taken up by coseismic chemical reactions during a large earthquake: An example from the 1999 Taiwan Chi-Chi earthquake. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	26
9	Gas hydrate occurrence and distribution controlled by regional geological structure off eastern India: Estimates from logging-while-drilling in Area-B, National Gas Hydrate Program Expedition 02 (NGHP-02). <i>Marine and Petroleum Geology</i> , 2019, 108, 216-225.	3.3	26
10	Hanging wall deformation of a seismogenic megasplay fault in an accretionary prism: The Nobeoka Thrust in southwestern Japan. <i>Journal of Structural Geology</i> , 2013, 52, 136-147.	2.3	25
11	Changes in illite crystallinity within an ancient tectonic boundary thrust caused by thermal, mechanical, and hydrothermal effects: an example from the Nobeoka Thrust, southwest Japan. <i>Earth, Planets and Space</i> , 2014, 66, 116.	2.5	25
12	Specific heat capacity and thermal diffusivity and their temperature dependencies in a rock sample from adjacent to the Taiwan Chelungpu fault. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	23
13	Silica diagenesis and its effect on interplate seismicity in cold subduction zones. <i>Earth and Planetary Science Letters</i> , 2012, 317-318, 136-144.	4.4	22
14	Contrasts in physical properties between the hanging wall and footwall of an exhumed seismogenic megasplay fault in a subduction zone—An example from the Nobeoka Thrust Drilling Project. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 5354-5370.	2.5	22
15	Coseismic frictional heating and fluid-rock interaction in a slip zone within a shallow accretionary prism and implications for earthquake slip behavior. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	20
16	Friction properties of the plate boundary megathrust beneath the frontal wedge near the Japan Trench: an inference from topographic variation. <i>Earth, Planets and Space</i> , 2014, 66, .	2.5	19
17	Examination of gas hydrate-bearing deep ocean sediments by X-ray Computed Tomography and verification of physical property measurements of sediments. <i>Marine and Petroleum Geology</i> , 2019, 108, 239-248.	3.3	19
18	Estimated dynamic shear stress and frictional heat during the 1999 Taiwan Chi-Chi earthquake: A chemical kinetics approach with isothermal heating experiments. <i>Tectonophysics</i> , 2009, 469, 73-84.	2.2	17

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19	Stress rotations and the long-term weakness of the Median Tectonic Line and the Rokko-Awaji Segment. <i>Tectonics</i> , 2014, 33, 1900-1919.	2.8	15
20	Multiple damage zone structure of an exhumed seismogenic megasplay fault in a subduction zone - a study from the Nobeoka Thrust Drilling Project. <i>Earth, Planets and Space</i> , 2015, 67, .	2.5	15
21	Estimation of slip rate and fault displacement during shallow earthquake rupture in the Nankai subduction zone. <i>Earth, Planets and Space</i> , 2015, 67, .	2.5	15
22	Geothermal structure of the Miura-Boso plate subduction margin, central Japan. <i>Tectonophysics</i> , 2017, 710-711, 81-87.	2.2	14
23	Alteration and dehydration of subducting oceanic crust within subduction zones: implications for décollement step-down and plate-boundary seismogenesis. <i>Earth, Planets and Space</i> , 2017, 69, .	2.5	14
24	Porosity, permeability, and grain size of sediment cores from gas-hydrate-bearing sites and their implication for overpressure in shallow argillaceous formations: Results from the national gas hydrate program expedition 02, Krishna-Godavari Basin, India. <i>Marine and Petroleum Geology</i> , 2019, 108, 332-347.	3.3	13
25	Hydrogeological responses to incoming materials at the erosional subduction margin, offshore Ogasawara Peninsula, Costa Rica. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 2725-2742.	2.5	11
26	High Fluid-Pressure Patches Beneath the Décollement: A Potential Source of Slow Earthquakes in the Nankai Trough off Cape Muroto. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB021831.	3.4	11
27	Strength characteristics of sediments from a gas hydrate deposit in the Krishna-Godavari Basin on the eastern margin of India. <i>Marine and Petroleum Geology</i> , 2019, 108, 348-355.	3.3	10
28	Fault weakening caused by smectite swelling. <i>Earth, Planets and Space</i> , 2019, 71, .	2.5	10
29	Progress of illitization along an imbricate frontal thrust at shallow depths in an accretionary prism. <i>Tectonophysics</i> , 2013, 600, 41-51.	2.2	9
30	Simultaneous estimation of in situ porosity and thermal structure from core sample measurements and resistivity log data at Nankai accretionary prism. <i>Earth, Planets and Space</i> , 2019, 71, .	2.5	8
31	Quartz deposition and its influence on the deformation process of megathrusts in subduction zones. <i>Earth, Planets and Space</i> , 2014, 66, .	2.5	7
32	Continuous depth profile of the rock strength in the Nankai accretionary prism based on drilling performance parameters. <i>Scientific Reports</i> , 2018, 8, 2622.	3.3	7
33	Thermal maturity structures in an accretionary wedge by a numerical simulation. <i>Progress in Earth and Planetary Science</i> , 2019, 6, .	3.0	7
34	Temporal stress variations along a seismogenic megasplay fault in the subduction zone: an example from the Nobeoka Thrust, southwestern Japan. <i>Island Arc</i> , 2017, 26, e12193.	1.1	5
35	In-situ mechanical weakness of subducting sediments beneath a plate boundary décollement in the Nankai Trough. <i>Progress in Earth and Planetary Science</i> , 2018, 5, .	3.0	5
36	Equivalent formation strength as a proxy tool for exploring for the location and distribution of gas hydrates. <i>Marine and Petroleum Geology</i> , 2019, 108, 356-367.	3.3	5

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37	Uptake of porewater phosphate by REY-rich mud in the western North Pacific Ocean. <i>Geochemical Journal</i> , 2018, 52, 373-378.	1.0	5
38	Estimation of the influence of sequencing errors and distribution of random-sequence tags on quantitative sequencing. <i>Journal of Bioscience and Bioengineering</i> , 2017, 124, 359-364.	2.2	4
39	Evaluating Stress State, Physical Properties, and Rupturing Behavior of Seismogenic Faults through Scientific Drillings. <i>Journal of Geography (Chigaku Zasshi)</i> , 2017, 126, 223-246.	0.3	3
40	Postseismic fluid discharge chemically recorded in altered pseudotachylyte discovered from an ancient megasplay fault: an example from the Nobeoka Thrust in the Shimanto accretionary complex, SW Japan. <i>Progress in Earth and Planetary Science</i> , 2019, 6, .	3.0	3
41	Correction to “A chemical kinetic approach to estimate dynamic shear stress during the 1999 Taiwan Chi-Chi earthquake”. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	2
42	Source and sink of fluid in pelagic siliceous sediments along a cold subduction plate boundary. <i>Tectonophysics</i> , 2016, 686, 146-157.	2.2	2
43	The influence of organic-rich shear zones on pelagic sediment deformation and seismogenesis in a subduction zone. <i>Journal of Mineralogical and Petrological Sciences</i> , 2014, 109, 228-238.	0.9	2
44	Stick-slip behavior of a clayey crustal fault. <i>Physical Review Research</i> , 2022, 4, .	3.6	2
45	Acoustic properties of deformed rocks in the Nobeoka thrust, in the Shimanto Belt, Kyushu, Southwest Japan. <i>Island Arc</i> , 2017, 26, e12198.	1.1	1
46	Structural characteristics of shallow portion of plate subduction zone: A forearc system in the southern Boso Peninsula, central Japan. <i>Journal of the Geological Society of Japan</i> , 2017, 123, 41-55.	0.6	1
47	Physical property anisotropy of foliated fault rocks: Study from the Nobeoka Thrust, Shimanto Belt, southwest Japan. <i>Island Arc</i> , 2018, 27, e12257.	1.1	1
48	Site C0024. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	1
49	Deformation Process and Mechanism of the Frontal Megathrust at the Nankai Subduction Zone. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	2.5	1
50	Middle Holocene relative sea-level changes and vertical tectonic crustal movements on Shikoku Island near the Nankai Trough, Japan. <i>Island Arc</i> , 0, , .	1.1	1
51	An abrasion platform outcrop of the Tei Mlange in the Shimanto Belt temporally exposed in 2014 summer. <i>Journal of the Geological Society of Japan</i> , 2015, 121, III-IV.	0.6	0
52	Three-dimensional texture of natural pseudotachylyte: Pseudotachylyte formation mechanism in hydrous accretionary complex. <i>Island Arc</i> , 2018, 27, e12241.	1.1	0
53	Multiple Types of Porosity Wave Velocity Relationships for the Nankai Trough. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	0