Yohei Hamada

List of Publications by Year
in descending order

53	876	471509 17	501196 28
papers	citations	h-index	g-index

55	55	55	886
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stick-slip behavior of a clayey crustal fault. Physical Review Research, 2022, 4, .	3.6	2
2	Deformation Process and Mechanism of the Frontal Megathrust at the Nankai Subduction Zone. Geochemistry, Geophysics, Geosystems, 2022, 23, .	2.5	1
3	Multiple Types of Porosity â€“ Pâ€Wave Velocity Relationships for the Nankai Trough. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	0
4	High Fluidâ€Pressure Patches Beneath the DÃ©collement: A Potential Source of Slow Earthquakes in the Nankai Trough off Cape Muroto. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB021831.	3.4	11
5	Temperature limits to deep subseafloor life in the Nankai Trough subduction zone. Science, 2020, 370, 1230-1234.	12.6	65
6	Examination of gas hydrate-bearing deep ocean sediments by X-ray Computed Tomography and verification of physical property measurements of sediments. Marine and Petroleum Geology, 2019, 108, 239-248.	3.3	19
7	Equivalent formation strength as a proxy tool for exploring for the location and distribution of gas hydrates. Marine and Petroleum Geology, 2019, 108, 356-367.	3.3	5
8	Thermal maturity structures in an accretionary wedge by a numerical simulation. Progress in Earth and Planetary Science, 2019, 6, .	3.0	7
9	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. Progress in Earth and Planetary Science, 2019, 6, .	3.0	3
10	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). Marine and Petroleum Geology, 2019, 108, 216-225.	3.3	26
11	Strength characteristics of sediments from a gas hydrate deposit in the Krishnaâ€“Godavari Basin on the eastern margin of India. Marine and Petroleum Geology, 2019, 108, 348-355.	3.3	10
12	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. Marine and Petroleum Geology, 2019, 108, 332-347.	3.3	13
13	Simultaneous estimation of in situ porosity and thermal structure from core sample measurements and resistivity log data at Nankai accretionary prism. Earth, Planets and Space, 2019, 71, .	2.5	8
14	Fault weakening caused by smectite swelling. Earth, Planets and Space, 2019, 71, .	2.5	10
15	Continuous depth profile of the rock strength in the Nankai accretionary prism based on drilling performance parameters. Scientific Reports, 2018, 8, 2622.	3.3	7
16	Threeâ€dimensional texture of natural pseudotachylyte: Pseudotachylyte formation mechanism in hydrous accretionary complex. Island Arc, 2018, 27, e12241.	1.1	0
17	In-situ mechanical weakness of subducting sediments beneath a plate boundary dÃ©collement in the Nankai Trough. Progress in Earth and Planetary Science, 2018, 5, .	3.0	5
18	Physical property anisotropy of foliated fault rocks: Study from the Nobeoka Thrust, Shimanto Belt, southwest Japan. Island Arc, 2018, 27, e12257.	1.1	1

#	Article	IF	Citations
19	Uptake of porewater phosphate by REY-rich mud in the western North Pacific Ocean. Geochemical Journal, 2018, 52, 373-378.	1.0	5
20	Estimation of the influence of sequencing errors and distribution of random-sequence tags on quantitative sequencing. Journal of Bioscience and Bioengineering, 2017, 124, 359-364.	2.2	4
21	Acoustic properties of deformed rocks in the <scp>N</scp>obeoka thrust, in the <scp>S</scp>himanto <scp>B</scp>elt, <scp>K</scp>yushu, <scp>S</scp>outhwest <scp>J</scp>apan. Island Arc, 2017, 26, e12198.	1.1	1
22	Geothermal structure of the Miuraâ€“Boso plate subduction margin, central Japan. Tectonophysics, 2017, 710-711, 81-87.	2.2	14
23	Temporal stress variations along a seismogenic megasplay fault in the subduction zone: <scp>A</scp>n example from the <scp>N</scp>obeoka <scp>T</scp>hrust, southwestern <scp>J</scp>apan. Island Arc, 2017, 26, e12193.	1.1	5
24	Alteration and dehydration of subducting oceanic crust within subduction zones: implications for dÃ©collement step-down and plate-boundary seismogenesis. Earth, Planets and Space, 2017, 69, .	2.5	14
25	Structural characteristics of shallow portion of plate subduction zone: A forearc system in the southern Boso Peninsula, central Japan. Journal of the Geological Society of Japan, 2017, 123, 41-55.	0.6	1
26	Evaluating Stress State, Physical Properties, and Rupturing Behavior of Seismogenic Faults through Scientific Drillings. Journal of Geography (Chigaku Zasshi), 2017, 126, 223-246.	0.3	3
27	Source and sink of fluid in pelagic siliceous sediments along a cold subduction plate boundary. Tectonophysics, 2016, 686, 146-157.	2.2	2
28	Hydrogeological responses to incoming materials at the erosional subduction margin, offshore <scp>O</scp>sa <scp>P</scp>eninsula, <scp>C</scp>osta <scp>R</scp>ica. Geochemistry, Geophysics, Geosystems, 2015, 16, 2725-2742.	2.5	11
29	An abrasion platform outcrop of the Tei MÃ©lange in the Shimanto Belt temporally exposed in 2014 summer. Journal of the Geological Society of Japan, 2015, 121, III-IV.	0.6	0
30	Multiple damage zone structure of an exhumed seismogenic megasplay fault in a subduction zone - a study from the Nobeoka Thrust Drilling Project. Earth, Planets and Space, 2015, 67, .	2.5	15
31	Estimation of slip rate and fault displacement during shallow earthquake rupture in the Nankai subduction zone. Earth, Planets and Space, 2015, 67, .	2.5	15
32	Friction properties of the plate boundary megathrust beneath the frontal wedge near the Japan Trench: an inference from topographic variation. Earth, Planets and Space, 2014, 66, .	2.5	19
33	Stress rotations and the long-term weakness of the Median Tectonic Line and the Rokko-Awaji Segment. Tectonics, 2014, 33, 1900-1919.	2.8	15
34	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. Earth, Planets and Space, 2014, 66, 116.	2.5	25
35	Quartz deposition and its influence on the deformation process of megathrusts in subduction zones. Earth, Planets and Space, 2014, 66, .	2.5	7
36	The influence of organicâ€“rich shear zones on pelagic sediment deformation and seismogenesis in a subduction zone. Journal of Mineralogical and Petrological Sciences, 2014, 109, 228-238.	0.9	2

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37	Progress of illitization along an imbricate frontal thrust at shallow depths in an accretionary prism. Tectonophysics, 2013, 600, 41-51.	2.2	9
38	Hanging wall deformation of a seismogenic megasplay fault in an accretionary prism: The Nobeoka Thrust in southwestern Japan. Journal of Structural Geology, 2013, 52, 136-147.	2.3	25
39	Contrasts in physical properties between the hanging wall and footwall of an exhumed seismogenic megasplay fault in a subduction zoneâ€"An example from the Nobeoka Thrust Drilling Project. Geochemistry, Geophysics, Geosystems, 2013, 14, 5354-5370.	2.5	22
40	Tectonic mÃ©lange as fault rock of subduction plate boundary. Tectonophysics, 2012, 568-569, 25-38.	2.2	97
41	Silica diagenesis and its effect on interplate seismicity in cold subduction zones. Earth and Planetary Science Letters, 2012, 317-318, 136-144.	4.4	22
42	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. Earth and Planetary Science Letters, 2012, 339-340, 32-45.	4.4	81
43	Coseismic frictional heating and fluid-rock interaction in a slip zone within a shallow accretionary prism and implications for earthquake slip behavior. Journal of Geophysical Research, 2011, 116, .	3.3	20
44	Specific heat capacity and thermal diffusivity and their temperature dependencies in a rock sample from adjacent to the Taiwan Chelungpu fault. Journal of Geophysical Research, 2010, 115, .	3.3	23
45	Estimated dynamic shear stress and frictional heat during the 1999 Taiwan Chi-Chi earthquake: A chemical kinetics approach with isothermal heating experiments. Tectonophysics, 2009, 469, 73-84.	2.2	17
46	Estimation of temperature rise in a shallow slip zone of the megasplay fault in the Nankai Trough. Tectonophysics, 2009, 478, 215-220.	2.2	34
47	Energy taken up by coâ€seismic chemical reactions during a large earthquake: An example from the 1999 Taiwan Chiâ€Chi earthquake. Geophysical Research Letters, 2009, 36, .	4.0	26
48	Correction to â€œA chemical kinetic approach to estimate dynamic shear stress during the 1999 Taiwan Chi-Chi earthquakeâ€• Geophysical Research Letters, 2008, 35, .	4.0	2
49	Clay mineral reactions caused by frictional heating during an earthquake: An example from the Taiwan Chelungpu fault. Geophysical Research Letters, 2008, 35, .	4.0	66
50	A chemical kinetic approach to estimate dynamic shear stress during the 1999 Taiwan Chiâ€Chi earthquake. Geophysical Research Letters, 2007, 34, .	4.0	51
51	Site C0002. Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program, 0, , .	1.0	28
52	Site C0024. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	1
53	Middle Holocene relative seaâ€level changes and vertical tectonic crustal movements on Shikoku Island near the Nankai Trough, Japan. Island Arc, 0, , .	1.1	1