

Asuka Yamaguchi

List of Publications by Year in descending order

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86
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86
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86
times ranked

1357
citing authors

#	ARTICLE	IF	CITATIONS
1	Seismic slip propagation to the updip end of plate boundary subduction interface faults: Vitrinite reflectance geothermometry on Integrated Ocean Drilling Program NanTro SEIZE cores. <i>Geology</i> , 2011, 39, 395-398.	4.4	147
2	Transition of accretionary wedge structures around the up-dip limit of the seismogenic subduction zone. <i>Earth and Planetary Science Letters</i> , 2007, 255, 471-484.	4.4	116
3	Middle Miocene swift migration of the TTT triple junction and rapid crustal growth in southwest Japan: A review. <i>Tectonics</i> , 2014, 33, 1219-1238.	2.8	104
4	Tectonic mélange as fault rock of subduction plate boundary. <i>Tectonophysics</i> , 2012, 568-569, 25-38.	2.2	97
5	Fluidization of granular material in a subduction thrust at seismogenic depths. <i>Earth and Planetary Science Letters</i> , 2007, 259, 307-318.	4.4	83
6	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
7	Deformation and fluid flow of a major out-of-sequence thrust located at seismogenic depth in an accretionary complex: Nobeoka Thrust in the Shimanto Belt, Kyushu, Japan. <i>Tectonics</i> , 2005, 24, n/a-n/a.	2.8	79
8	Tectonic incorporation of the upper part of oceanic crust to overriding plate of a convergent margin: An example from the Cretaceous-early Tertiary Mugi mélange, the Shimanto Belt, Japan. <i>Tectonophysics</i> , 2005, 401, 217-230.	2.2	76
9	Anelastic strain recovery reveals extension across SW Japan subduction zone. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	75
10	Interactions between deformation and fluids in the frontal thrust region of the NanTroSEIZE transect offshore the Kii Peninsula, Japan: Results from IODP Expedition 316 Sites C0006 and C0007. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	65
11	Progressive illitization in fault gouge caused by seismic slip propagation along a megasplay fault in the Nankai Trough. <i>Geology</i> , 2011, 39, 995-998.	4.4	59
12	Record of mega-earthquakes in subduction thrusts: The black fault rocks of Pasagshak Point (Kodiak) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 353 / 56		
13	Dynamic changes in fluid redox state associated with episodic fault rupture along a megasplay fault in a subduction zone. <i>Earth and Planetary Science Letters</i> , 2011, 302, 369-377.	4.4	54
14	Structural architecture and active deformation of the Nankai Accretionary Prism, Japan: Submersible survey results from the Tenryu Submarine Canyon. <i>Bulletin of the Geological Society of America</i> , 2009, 121, 1629-1646.	3.3	52
15	Long-term evolution of an accretionary prism: The case study of the Shimanto Belt, Kyushu, Japan. <i>Tectonics</i> , 2014, 33, 936-959.	2.8	42
16	Smectite to chlorite conversion by frictional heating along a subduction thrust. <i>Earth and Planetary Science Letters</i> , 2011, 305, 161-170.	4.4	41
17	Stretching of fluid inclusions in calcite as an indicator of frictional heating on faults. <i>Geology</i> , 2008, 36, 111.	4.4	40
18	Sources and physicochemical characteristics of fluids along a subduction zone megathrust: A geochemical approach using syn-tectonic mineral veins in the Mugi mélange, Shimanto accretionary complex. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	39

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19	A new source of water in seismogenic subduction zones. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	34
20	Site C0002. Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program, 0, , .	1.0	32
21	Origin of the early Cenozoic belt boundary thrust and Izanagiâ€“Pacific ridge subduction in the western Pacific margin. <i>Island Arc</i> , 2019, 28, e12320.	1.1	31
22	Spatial variability in sediment lithology and sedimentary processes along the Japan Trench: use of deep-sea turbidite records to reconstruct past large earthquakes. <i>Geological Society Special Publication</i> , 2018, 456, 75-89.	1.3	28
23	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
24	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
25	Fluid circulation in the depths of accretionary prisms: an example of the Shimanto Belt, Kyushu, Japan. <i>Tectonophysics</i> , 2015, 655, 161-176.	2.2	25
26	Deformation processes at the down-dip limit of the seismogenic zone: The example of Shimanto accretionary complex. <i>Tectonophysics</i> , 2016, 687, 28-43.	2.2	23
27	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
28	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. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 5354-5370.	2.5	22
29	A new method of reconstituting the Pâ€“T conditions of fluid circulation in an accretionary prism (Shimanto, Japan) from microthermometry of methane-bearing aqueous inclusions. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 125, 96-109.	3.9	20
30	Fluid properties and dynamics along the seismogenic plate interface. , 2018, 14, 469-491.		20
31	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
32	Organic matter cracking: A source of fluid overpressure in subducting sediments. <i>Tectonophysics</i> , 2017, 721, 254-274.	2.2	17
33	Kinetic Models for Healing of the Subduction Interface Based on Observations of Ancient Accretionary Complexes. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 3431-3449.	2.5	17
34	Lithification facilitates frictional instability in argillaceous subduction zone sediments. <i>Tectonophysics</i> , 2015, 665, 177-185.	2.2	16
35	Tertiary evolution of the Shimanto belt (Japan): A largeâ€“scale collision in Early Miocene. <i>Tectonics</i> , 2017, 36, 1317-1337.	2.8	16
36	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

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37	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
38	Distributed deformation along the subduction plate interface: The role of tectonic mÃ©langes. <i>Lithos</i> , 2019, 334-335, 69-87.	1.4	15
39	Geological record of thermal pressurization and earthquake instability of subduction thrusts. <i>Tectonophysics</i> , 2010, 485, 260-268.	2.2	14
40	Alteration and dehydration of subducting oceanic crust within subduction zones: implications for dÃ©collement step-down and plate-boundary seismogenesis. <i>Earth, Planets and Space</i> , 2017, 69, .	2.5	14
41	Indian Monsoonal Variations During the Past 80Ã©Kyr Recorded in NGHPÃ©02 Hole 19B, Western Bay of Bengal: Implications From Chemical and Mineral Properties. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 148-165.	2.5	12
42	Fluid-rock interaction recorded in black fault rocks in the Kodiak accretionary complex, Alaska. <i>Earth, Planets and Space</i> , 2014, 66, .	2.5	11
43	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. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 2725-2742.	2.5	11
44	Possible mechanism of mud volcanism at the prism-backstop contact in the western Mediterranean Ridge Accretionary Complex. <i>Marine Geology</i> , 2015, 363, 52-64.	2.1	11
45	Paleothermal structure of the <scp>N</scp>ankai inner accretionary wedge estimated from vitrinite reflectance of cuttings. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 3185-3196.	2.5	11
46	Monsoon-influenced variations in plankton community structure and upper-water column stratification in the western Bay of Bengal during the past 80Ã©ky. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 521, 138-150.	2.3	11
47	Variations in stress and driving pore fluid pressure ratio using vein orientations along megasplay faults : Example from the Nobeoka Thrust, Southwest Japan. <i>Island Arc</i> , 2016, 25, 421-432.	1.1	10
48	Evidence for surface sediment remobilization by earthquakes in the Nankai forearc region from sedimentary records. <i>Geological Society Special Publication</i> , 2019, 477, 37-45.	1.3	9
49	Generation Depth of the Pseudotachylite from an Out-of-Sequence Thrust in Accretionary Prism – Geothermobarometric Evidence. <i>Scientific Drilling</i> , 0, SpecialIssue, 47-50.	0.6	9
50	Spatial Patterns in Frictional Behavior of Sediments Along the Kumano Transect in the Nankai Trough. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, .	3.4	9
51	High Pressure Experiments on MetalÃ©Silicate Partitioning of Chlorine in a Magma Ocean: Implications for Terrestrial Chlorine Depletion. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 3929-3945.	2.5	8
52	Stress reversal recorded in calcite vein cuttings from the Nankai accretionary prism, southwest Japan. <i>Earth, Planets and Space</i> , 2014, 66, .	2.5	7
53	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
54	Stress State in the Kumano Basin and in Slope Sediment Determined From Anelastic Strain Recovery: Results From IODP Expedition 338 to the Nankai Trough. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 3608-3616.	2.5	7

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55	Evaluation from otolith Sr stable isotope ratios of possible juvenile growth areas of Japanese eels collected from the West Mariana Ridge spawning area. <i>Fisheries Science</i> , 2019, 85, 483-493.	1.6	7
56	Site C0021. <i>Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program</i> , 0, , .	1.0	7
57	Links among mountain building, surface erosion, and growth of an accretionary prism in a subduction zone—An example from southwest Japan. , 2008, , 391-403.		6
58	Rejuvenated extension of the Philippine Sea plate and its effect on subduction dynamics in the Nankai Trough. <i>Island Arc</i> , 2021, 30, e12402.	1.1	6
59	Site C0002. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	6
60	Unconformity between a Late Miocene–Pliocene accretionary prism (Nishizaki Formation) and Pliocene trench-slope sediments (Kagamigaura Formation), central Japan. <i>Island Arc</i> , 2012, 21, 231-234.	1.1	5
61	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
62	Fluorine and chlorine fractionation during magma ocean crystallization: Constraints on the origin of the non-chondritic F/Cl ratio of the Earth. <i>Earth and Planetary Science Letters</i> , 2019, 520, 241-249.	4.4	5
63	Deformation Structures From Splay and Collement Faults in the Nankai Accretionary Prism, SW Japan (IODP NanTroSEIZE Expedition 316): Evidence for Slow and Rapid Slip in Fault Rocks. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008786.	2.5	5
64	Constraints on Element Mobility During Deformation Within the Seismogenic Zone, Shimanto Belt, Japan. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009594.	2.5	5
65	Site C0018. <i>Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program</i> , 0, , .	1.0	5
66	Site C0022. <i>Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program</i> , 0, , .	1.0	5
67	Dynamic formation process of thick deformation zone on the shallow plate boundary fault of the Japan Trench: insight from analog experiments of half-graben subduction. <i>Progress in Earth and Planetary Science</i> , 2018, 5, .	3.0	4
68	Fluid Behavior during Evolution of Plate Boundary Fault from Trench to Seismogenic Depths. <i>Journal of Geography (Chigaku Zasshi)</i> , 2006, 115, 353-366.	0.3	3
69	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
70	Localized fluid discharge by tensile cracking during the post-seismic period in subduction zones. <i>Scientific Reports</i> , 2020, 10, 12281.	3.3	3
71	Cretaceous–Neogene accretionary units. , 0, , 125-137.		3
72	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

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73	Opal-CT in chert beneath the toe of the Tohoku margin and its influence on the seismic aseismic transition in subduction zones. <i>Geophysical Research Letters</i> , 2017, 44, 687-693.	4.0	2
74	Structural-morphological and sedimentary features of forearc slope off Miyagi, NE Japan: implications for development of forearc basins and plumbing systems. <i>Geo-Marine Letters</i> , 2020, 40, 309-324.	1.1	2
75	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
76	Deformation and fluid flow in seismogenic subduction zone: The Mugai Range in the Shimanto Belt. <i>Journal of the Geological Society of Japan</i> , 2009, 115, S21-S36.	0.6	2
77	Site C0025. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	2
78	UAV-based mesoscale lithologic distribution map of a large shear zone in Jurassic accretionary complex (Ohwaki outcrop in the Mino Belt, central Japan). <i>Island Arc</i> , 2016, 25, 436-438.	1.1	1
79	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
80	Site C0024. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	1
81	Highly refractory dunite formation at Gibbs Island and Bruce Bank, and its role in the evolution of the circum-Antarctic continent. <i>Canadian Mineralogist</i> , 2021, 59, 1731-1753.	1.0	1
82	Deformation Process and Mechanism of the Frontal Megathrust at the Nankai Subduction Zone. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	2.5	1
83	Three-dimensional texture of natural pseudotachylyte: Pseudotachylyte formation mechanism in hydrous accretionary complex. <i>Island Arc</i> , 2018, 27, e12241.	1.1	0
84	New geochemical data for back-arc basin basalts from DSDP Leg 58 Sites 442-444 and the ODP Leg 131 Site 808, Shikoku Basin. <i>Journal of the Geological Society of Japan</i> , 2018, 124, 935-940.	0.6	0
85	Upper-plate tectonic hysteresis and segmentation of the rupture area during seismogenesis in subduction zones—A case study of the Nankai Trough. , 0, , .		0