Jun Kameda

List of Publications by Year
in descending order

57 papers	1,487 citations	361413 20 h-index	330143 37 g-index
57 all docs	57 docs citations	57 times ranked	1375 citing authors

#	Article	IF	Citations
1	Structure and Composition of the Plate-Boundary Slip Zone for the 2011 Tohoku-Oki Earthquake. Science, 2013, 342, 1208-1211.	12.6	226
2	Low Coseismic Shear Stress on the Tohoku-Oki Megathrust Determined from Laboratory Experiments. Science, 2013, 342, 1211-1214.	12.6	220
3	Tectonic mÃ©lange as fault rock of subduction plate boundary. Tectonophysics, 2012, 568-569, 25-38.	2.2	97
4	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
5	Strength characteristics of Japan Trench borehole samples in the high-slip region of the 2011 Tohoku-Oki earthquake. Earth and Planetary Science Letters, 2015, 412, 35-41.	4.4	68
6	Pelagic smectite as an important factor in tsunamigenic slip along the Japan Trench. Geology, 2015, 43, 155-158.	4.4	65
7	Structure and lithology of the Japan Trench subduction plate boundary fault. Tectonics, 2015, 34, 53-69.	2.8	53
8	Smectite to chlorite conversion by frictional heating along a subduction thrust. Earth and Planetary Science Letters, 2011, 305, 161-170.	4.4	41
9	Stacking structures in pyrophyllite revealed by high-resolution transmission electron microscopy (HRTEM). American Mineralogist, 2006, 91, 1293-1299.	1.9	40
10	A new source of water in seismogenic subduction zones. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	34
11	Fluidized landslides triggered by the liquefaction of subsurface volcanic deposits during the 2018 Iburiâ€“Tobu earthquake, Hokkaido. Scientific Reports, 2019, 9, 13119.	3.3	33
12	Stacking structure in disordered talc: Interpretation of its X-ray diffraction pattern by using pattern simulation and high-resolution transmission electron microscopy. American Mineralogist, 2006, 91, 1363-1370.	1.9	30
13	H 2 generation in wet grinding of granite and singleâ€crystal powders and implications for H 2 concentration on active faults. Geophysical Research Letters, 2003, 30, .	4.0	29
14	Reproduction of thermal pressurization and fluidization of clay-rich fault gouges by high-velocity friction experiments and implications for seismic slip in natural faults. Geological Society Special Publication, 2011, 359, 267-285.	1.3	29
15	Morphological characteristics of ordered kaolinite: Investigation using electron back-scattered diffraction. American Mineralogist, 2005, 90, 1462-1465.	1.9	26
16	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
17	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
18	H2 generation during dry grinding of kaolinite. Journal of Colloid and Interface Science, 2004, 275, 225-228.	9.4	24

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19	Importance of mechanochemical effects on fault slip behavior during earthquakes. Geophysical Research Letters, 2013, 40, 2988-2992.	4.0	24
20	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
21	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
22	Sensitivity of Clay Suspension Rheological Properties to pH, Temperature, Salinity, and Smectiteâ€Quartz Ratio. Geophysical Research Letters, 2017, 44, 9615-9621.	4.0	18
23	Low-grade metamorphism around the down-dip limit of seismogenic subduction zones: Example from an ancient accretionary complex in the Shimanto Belt, Japan. Tectonophysics, 2011, 502, 383-392.	2.2	16
24	Modification to the crystal structure of chlorite during early stages of its dissolution. Physics and Chemistry of Minerals, 2009, 36, 537-544.	0.8	15
25	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
26	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
27	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
28	XRD and HRTEM analyses of stacking structures in sudoite, di-trioctahedral chlorite. American Mineralogist, 2007, 92, 1586-1592.	1.9	13
29	Stacking faults with 180Â° layer rotation in celadonite, an Fe- and Mg-rich dioctahedral mica. Clays and Clay Minerals, 2008, 56, 612-621.	1.3	13
30	Frictional properties of sediments entering the Costa Rica subduction zone offshore the Osa Peninsula: implications for fault slip in shallow subduction zones. Earth, Planets and Space, 2014, 66, 72.	2.5	12
31	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
32	Dehydroxylation Kinetics of Clay Minerals and Its Application to Friction Heating Along an Imbricate Thrust in an Accretionary Prism. Geochemistry, Geophysics, Geosystems, 2018, 19, 2991-3003.	2.5	10
33	Fault weakening caused by smectite swelling. Earth, Planets and Space, 2019, 71, .	2.5	10
34	Progress of illitization along an imbricate frontal thrust at shallow depths in an accretionary prism. Tectonophysics, 2013, 600, 41-51.	2.2	9
35	Rheological properties of composite serpentine-brucite suspensions: Implications for mudflow behavior on forearc seamounts. Marine Geology, 2018, 403, 191-196.	2.1	9
36	Dissolution of brucite on the (001) surface at neutral pH: <I>in situ</I> atomic force microscopy observations. Clays and Clay Minerals, 2006, 54, 598-604.	1.3	8

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37	Smectite swelling in the Miuraâ€“Boso accretionary prism: Possible cause for incipient dÃ©collement zone formation. Tectonophysics, 2010, 494, 75-84.	2.2	8
38	Mineralogical and physico-chemical properties of halloysite-bearing slip surface material from a landslide during the 2018 Eastern Iburi earthquake, Hokkaido. Progress in Earth and Planetary Science, 2021, 8, .	3.0	8
39	Quartz deposition and its influence on the deformation process of megathrusts in subduction zones. Earth, Planets and Space, 2014, 66, .	2.5	7
40	Exchangeable cation composition of the smectiteâ€rich plate boundary fault at the Japan Trench. Geophysical Research Letters, 2016, 43, 3112-3119.	4.0	7
41	Influence of biopolymers on the rheological properties of seafloor sediments and the runout behavior of submarine debris flows. Scientific Reports, 2021, 11, 1493.	3.3	7
42	Generation of sintered fault rock and its implications for earthquake energetics and fault healing. Communications Earth & Environment, 2020, 1, .	6.8	6
43	Polytype and morphological analyses of gÃ¼mbelite, a fibrous Mg-rich illite. Clays and Clay Minerals, 2007, 55, 453-466.	1.3	5
44	Morphological analyses of minute crystals by using stereo-photogrammetric scanning electron microscopy and electron back-scattered diffraction. Journal of Microscopy, 2007, 228, 358-365.	1.8	5
45	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
46	Cohesional Slip on a Plate Subduction Boundary During a Large Earthquake. Geophysical Research Letters, 2020, 47, e2020GL088395.	4.0	4
47	1-D inversion analysis of a shallow landslide triggered by the 2018 Eastern Iburi earthquake in Hokkaido, Japan. Earth, Planets and Space, 2021, 73, .	2.5	4
48	Novel 2:1 structure of phyllosilicates formed by annealing Fe3+, Mg-rich dioctahedral mica. American Mineralogist, 2007, 92, 1531-1534.	1.9	3
49	Rheological properties of halloysite soil slurry: a case study of weathered tephra involved in a shallow landslide triggered by the 2018 Eastern Iburi earthquake in Hokkaido, Japan. Earth, Planets and Space, 2022, 74, .	2.5	3
50	Source and sink of fluid in pelagic siliceous sediments along a cold subduction plate boundary. Tectonophysics, 2016, 686, 146-157.	2.2	2
51	Opalâ€CT in chert beneath the toe of the Tohoku margin and its influence on the seismic aseismic transition in subduction zones. Geophysical Research Letters, 2017, 44, 687-693.	4.0	2
52	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
53	Occurrences of Pseudotachylyte obtained from the Nojima fault at Nojima-Hirabayashi, Awaji Island, Japan. Journal of the Geological Society of Japan, 2002, 108, IX-X.	0.6	2
54	Stick-slip behavior of a clayey crustal fault. Physical Review Research, 2022, 4, .	3.6	2

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55	Rheological properties of concentrated allophane, halloysite, and kaolinite suspensions. Applied Clay Science, 2022, 226, 106557.	5.2	2
56	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
57	Threeâ€dimensional texture of natural pseudotachylyte: Pseudotachylyte formation mechanism in hydrous accretionary complex. Island Arc, 2018, 27, e12241.	1.1	0