Nagayoshi Katsuta

List of Publications by Year
in descending order

32 papers	350 citations	933447 10 h-index	839539 18 g-index
35 all docs	35 docs citations	35 times ranked	375 citing authors

#	Article	IF	Citations
1	Early post-mortem formation of carbonate concretions around tusk-shells over week-month timescales. Scientific Reports, 2015, 5, 14123.	3.3	53
2	Generalized conditions of spherical carbonate concretion formation around decaying organic matter in early diagenesis. Scientific Reports, 2018, 8, 6308.	3.3	37
3	Advanced Micro-XRF Method to Separate Sedimentary Rhythms and Event Layers in Sediments: Its Application to Lacustrine Sediment from Lake Suigetsu, Japan. Journal of Paleolimnology, 2007, 37, 259-271.	1.6	30
4	Image processing to extract sequential profiles with high spatial resolution from the 2D map of deformed laminated patterns. Computers and Geosciences, 2003, 29, 725-740.	4.2	28
5	A 27-kyr record of environmental change in central Asia inferred from the sediment record of Lake Hovsgol, northwest Mongolia. Journal of Paleolimnology, 2010, 43, 369-383.	1.6	28
6	The development of Fe-nodules surrounding biological material mediated by microorganisms. Environmental Geology, 2008, 55, 1363-1374.	1.2	15
7	Centennial- to millennial-scale climate shifts in continental interior Asia repeated between warmâ€“dry and coolâ€“wet conditions during the last three interglacial states: evidence from uranium and biogenic silica in the sediment of Lake Baikal, southeast Siberia. Quaternary Science Reviews, 2012, 52, 49-59.	3.0	13
8	87Sr/86Sr age determination by rapidly formed spherical carbonate concretions. Scientific Reports, 2019, 9, 1003.	3.3	13
9	Biogenically induced bedded chert formation in the alkaline palaeo-lake of the Green River Formation. Scientific Reports, 2019, 9, 16448.	3.3	12
10	Hydrological and climate changes in southeast Siberia over the last 33â€¯kyr. Global and Planetary Change, 2018, 164, 11-26.	3.5	11
11	Alteration of Subsurface Granitic Rock in Okayama Area, Japan. Journal of the Japan Society of Engineering Geology, 2008, 49, 256-265.	0.2	11
12	Climate system transition from glacial to interglacial state around the beginning of the last termination: Evidence from a centennial- to millennial-scale climate rhythm. Geochemistry, Geophysics, Geosystems, 2006, 7, n/a-n/a.	2.5	10
13	Glendonite concretion formation due to dead organism decomposition. Sedimentary Geology, 2022, 429, 106075.	2.1	10
14	A higher moisture level in the early Holocene in northern Mongolia as evidenced from sediment records of Lake Hovsgol and Lake Erhel. Quaternary International, 2017, 455, 70-81.	1.5	9
15	Diffusion controlled formation of spherical carbonate concretion in muddy sedimentary matrices. Geochemical Journal, 2020, 54, 233-242.	1.0	9
16	Hydrothermal formation of Fe-oxide bands in zebra rocks from northern Western Australia. Chemical Geology, 2022, 590, 120699.	3.3	9
17	Quantitative microâ€Xâ€ray fluorescence scanning spectroscopy of wet sediment based on the Xâ€ray absorption and emission theories: Its application to freshwater lake sedimentary sequences. Sedimentology, 2019, 66, 2490-2510.	3.1	8
18	Macro-scale ore-controlling faults revealed by micro-geochemical anomalies. Scientific Reports, 2019, 9, 4410.	3.3	7

#	Article	IF	Citations
19	Concentric Fe-oxyhydroxide bands in dacite cobbles: Rates of buffering chemical reactions. Chemical Geology, 2020, 552, 119786.	3.3	7
20	Chemical Characteristics of Cloud Water and Sulfate Production Under Excess Hydrogen Peroxide in a High Mountainous Region of Central Japan. Water, Air, and Soil Pollution, 2021, 232, 1.	2.4	5
21	Siberian Permafrost Thawing Accelerated at the BÃ¸lling/AllerÃ¸d and Preboreal Warm Periods During the Last Deglaciation. Geophysical Research Letters, 2019, 46, 13961-13971.	4.0	4
22	Interannual changes in radiocesium concentrations in annually laminated tufa following the Fukushima Daiichi Nuclear Power Plant accident. Applied Geochemistry, 2019, 102, 34-43.	3.0	4
23	Characteristics of Lake Sediment from Southwestern Mongolia and Comparison with Meteorological Data. Geosciences (Switzerland), 2022, 12, 7.	2.2	4
24	Late Holocene climatic impact on vegetation and human activity in central Japan, recorded in sediment at Arao-Minami archaeological site, northwestern Nobi Plain. Quaternary International, 2019, 519, 144-155.	1.5	3
25	Syngenetic rapid growth of ellipsoidal silica concretions with bitumen cores. Scientific Reports, 2021, 11, 4230.	3.3	3
26	å¾®å°é˜˜åŸŸè›å…‰Xç·šãƒžãƒƒãƒ"ãƒ³ã‚°ã®å¿œç"¨ï¼šé‰„ã‚³ãƒ³ã‚¯ãƒªãƒ¼ã‚·ãƒ§ãƒ³å†…éƒ¨ã«è¦‹ã‚‰ã‚Œã‚‹é‰„ãƒãƒ³ãƒ‰ã®å½¢æ	0.6	3
27	Continental Erosion/Weathering Changes in Central Asia Recorded in the Holocene Sediment from Lake Hovsgol, Northwest Mongolia, by Synchrotron Î¼-XRF Mapping Analyses. , 0, , .		1
28	Radiocarbon analysis of tree ring for a catastrophic collapse in the northern Yatsugatake volcanoes: Its implication for seismotectonics in southwest Japan. Quaternary International, 2021, 604, 68-74.	1.5	1
29	Neoproterozoic banded iron-formation interbedded with diamictite in Namibia and â€œSnowball Earthâ€ hypothesis. Journal of the Geological Society of Japan, 2004, 110, XI-XII.	0.6	0
30	Fractal Nature of the Band-Thickness in the Archean Banded Iron Formation in the Yellowknife Greenstone Belt, Northwest Territories, Canada. , 2013, , .		0
31	â€˜Fish-eyeâ€™ type concretions: A possible analogue of radionuclide migration and retardation in rock matrices around buried HLW container. Journal of the Geological Society of Japan, 2014, 120, IX-X.	0.6	0
32	Sedimentary rhythm of Mn-carbonate laminae induced by East Asian summer monsoon variability and human activity in Lake Ohnuma, southwest Hokkaido, northern Japan. Quaternary Science Reviews, 2020, 248, 106576.	3.0	0