Takafumi Hirata

List of Publications by Year
in descending order

122	3,809	159585 30	133252 59
papers	citations	h-index	g-index

123	123	123	2534
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Improvements of precision and accuracy in in situ Hf isotope microanalysis of zircon using the laser ablation-MC-ICPMS technique. Chemical Geology, 2005, 220, 121-137.	3.3	440
2	U-Pb isotope geochronology of zircon: evaluation of the laser probe-inductively coupled plasma mass spectrometry technique. Geochimica Et Cosmochimica Acta, 1995, 59, 2491-2500.	3.9	294
3	Volcanism in Response to Plate Flexure. Science, 2006, 313, 1426-1428.	12.6	262
4	An interâ€laboratory evaluation of <scp>OD</scp>â€3 zircon for use as a secondary <scp><scp>Uâ€“Pb</scp></scp> dating standard. Island Arc, 2013, 22, 382-394.	1.1	196
5	Lead isotopic analyses of NIST Standard Reference Materials using multiple collector inductively coupled plasma mass spectrometry coupled with a modified external correction method for mass discrimination effect. Analyst, The, 1996, 121, 1407.	3.5	192
6	Simultaneous determinations of U-Pb age and REE abundances for zircons using ArF excimer laser ablation-ICPMS. Geochemical Journal, 2004, 38, 229-241.	1.0	140
7	Development of signal smoothing device for precise elemental analysis using laser ablation-ICP-mass spectrometry. Journal of Analytical Atomic Spectrometry, 2004, 19, 932.	3.0	120
8	Uâ€Pb Age Determination for Seven Standard Zircons using Inductively Coupled Plasmaâ€“Mass Spectrometry Coupled with Frequency Quintupled Ndâ€YAG (Î» = 213 nm) Laser Ablation System: Comparison with LAâ€ICPâ€MS Zircon Analyses with a NIST Glass Reference Material. Resource Geology, 2008, 58, 101-123.	0.8	101
9	Improvements in precision of isotopic ratio measurements using laser ablation-multiple collector-ICP-mass spectrometry: reduction of changes in measured isotopic ratios. Journal of Analytical Atomic Spectrometry, 2003, 18, 1283.	3.0	90
10	Evaluation of fission-track and U-Pb double dating method for identical zircon grains:. Journal of the Geological Society of Japan, 2012, 118, 365-375.	0.6	87
11	Determinations of Rare Earth Element Abundance and U-Pb Age of Zircons Using Multispot Laser Ablation-Inductively Coupled Plasma Mass Spectrometry. Analytical Chemistry, 2011, 83, 8892-8899.	6.5	85
12	A new approach for constraining the magnitude of initial disequilibrium in Quaternary zircons by coupled uranium and thorium decay series dating. Quaternary Geochronology, 2017, 38, 1-12.	1.4	76
13	Evaluation of the Analytical Capability of NIR Femtosecond Laser Ablation-Inductively Coupled Plasma Mass Spectrometry. Analytical Sciences, 2008, 24, 345-353.	1.6	67
14	Determination of Uâ€“Pb Ages for Young Zircons using Laser Ablationâ€<scp>ICP</scp>â€Mass Spectrometry Coupled with an Ion Detection Attenuator Device. Geostandards and Geoanalytical Research, 2014, 38, 409-420.	3.1	66
15	Isotopic Analysis of Fe in Human Red Blood Cells by Multiple Collector-ICP-Mass Spectrometry. Analytical Sciences, 2004, 20, 617-621.	1.6	62
16	Uâ€“Pb age determination for zircons using laser ablation-ICP-mass spectrometry equipped with six multiple-ion counting detectors. Journal of Analytical Atomic Spectrometry, 2017, 32, 88-95.	3.0	51
17	Age control of the first appearance datum for Javanese Homo erectus in the Sangiran area. Science, 2020, 367, 210-214.	12.6	51
18	Isotopic Analysis of Calcium in Blood Plasma and Bone from Mouse Samples by Multiple Collector-ICP-Mass Spectrometry. Analytical Sciences, 2008, 24, 1501-1507.	1.6	46

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19	In situ ²⁰⁷Pb/²⁰⁶Pb isotope ratio measurements using two Daly detectors equipped on an ICP-mass spectrometer. Journal of Analytical Atomic Spectrometry, 2017, 32, 686-691.	3.0	46
20	Determinations of Zr isotopic composition and Uâ€“Pb ages for terrestrial and extraterrestrial Zr-bearing minerals using laser ablation-inductively coupled plasma mass spectrometry: implications for Nbâ€“Zr isotopic systematics. Chemical Geology, 2001, 176, 323-342.	3.3	42
21	Laser ablation ICP mass spectrometry for zircon U-Pb geochronology of metamorphosed granite from the Salem Block: Implication for Neoarchean crustal evolution in southern India. Journal of Mineralogical and Petrological Sciences, 2011, 106, 1-12.	0.9	42
22	Provenance diversification within an arcâ€trench system induced by batholith development: the Cretaceous Japan case. Terra Nova, 2014, 26, 139-149.	2.1	42
23	Riftâ€related origin of the <scp>P</scp>aleoproterozoic <scp>K</scp>uncha <scp>F</scp>ormation, and cooling history of the <scp>K</scp>uncha nappe and <scp>T</scp>aplejung granites, eastern <scp>N</scp>epal <scp>L</scp>esser <scp>H</scp>imalaya: a multichronological approach. Island Arc, 2013, 22, 338-360.	1.1	41
24	The eastern extension of Paleozoic South China in NE Japan evidenced by detrital zircon. Gff, 2014, 136, 116-119.	1.2	39
25	iQuant2: Software for Rapid and Quantitative Imaging Using Laser Ablation-ICP Mass Spectrometry. Mass Spectrometry, 2018, 7, A0065-A0065.	0.6	37
26	Behavior of zircon in the upper-amphibolite to granulite facies schist/migmatite transition, Ryoke metamorphic belt, SW Japan: constraints from the melt inclusions in zircon. Contributions To Mineralogy and Petrology, 2013, 165, 575-591.	3.1	36
27	Revisiting the high temperature metamorphic field gradient of the Ryoke Belt (SW Japan): New constraints from the Iwakuni-Yanai area. Lithos, 2016, 260, 9-27.	1.4	36
28	Simultaneous Determination of Size and Position of Silver and Gold Nanoparticles in Onion Cells using Laser Ablation-ICP-MS. Analytical Chemistry, 2019, 91, 4544-4551.	6.5	36
29	Petit-spot geology reveals melts in upper-most asthenosphere dragged by lithosphere. Earth and Planetary Science Letters, 2015, 426, 267-279.	4.4	35
30	Detrital zircon multiâ€chronology, provenance, and lowâ€grade metamorphism of the <scp>C</scp>retaceous <scp>S</scp>himanto accretionary complex, eastern <scp>S</scp>hikoku, <scp>S</scp>outhwest <scp>J</scp>apan: <scp>T</scp>ectonic evolution in response to igneous activity within a subduction zone. Island Arc, 2017, 26, e12218.	1.1	32
31	Possible polymetamorphism and brine infiltration recorded in the garnetâ€“sillimanite gneiss, Skallevikshalsen, LÃ¼tzowâ€“Holm Complex, East Antarctica. Journal of Mineralogical and Petrological Sciences, 2016, 111, 129-143.	0.9	28
32	Determination of major to trace elements in metallic materials based on the solid mixing calibration method using multiple spot-laser ablation-ICP-MS. Journal of Analytical Atomic Spectrometry, 2019, 34, 1794-1799.	3.0	28
33	In-situ precise isotopic analysis of tungsten using laser ablation multi-collector inductively coupled plasma mass spectrometry (LA-MC-ICP-MS) with time resolved data acquisition. Journal of Analytical Atomic Spectrometry, 2002, 17, 204-210.	3.0	27
34	Quantitative Imaging of Silver Nanoparticles and Essential Elements in Thin Sections of Fibroblast Multicellular Spheroids by High Resolution Laser Ablation Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2019, 91, 10197-10203.	6.5	27
35	Stable Isotope Composition of Metal Elements in Biological Samples as Tracers for Element Metabolism. Analytical Sciences, 2018, 34, 645-655.	1.6	26
36	Zircon fissionâ€track and Uâ€“Pb double dating using femtosecond laser ablationâ€“inductively coupled plasmaâ€“mass spectrometry: A technical note. Island Arc, 2020, 29, e12348.	1.1	24

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37	Emplacement of hot <scp>L</scp>esser <scp>H</scp>imalayan nappes from 15 to 10â€‰<scp>M</scp>a in the <scp>J</scp>umlaâ€“<scp>S</scp>urkhet region, western <scp>N</scp>epal, and their thermal imprint on the underlying <scp>E</scp>arly <scp>M</scp>iocene fluvial <scp>D</scp>umri <scp>F</scp>ormation. Island Arc, 2013, 22, 361-381.	1.1	23
38	Ancient oceanic crust in island arc lower crust: Evidence from oxygen isotopes in zircons from the Tanzawa Tonalitic Pluton. Lithos, 2015, 228-229, 43-54.	1.4	23
39	Origin and Evolution of Distinct Molybdenum Isotopic Variabilities within Carbonaceous and Noncarbonaceous Reservoirs. Astrophysical Journal, 2019, 883, 62.	4.5	23
40	Standardless fission-track ages of the IUGS age standards. Chemical Geology, 2018, 488, 87-104.	3.3	21
41	Spatiotemporal evolution of magmatic pulses and regional metamorphism during a Cretaceous flare-up event: Constraints from the Ryoke belt (Mikawa area, central Japan). Lithos, 2018, 308-309, 428-445.	1.4	21
42	Timescale of material circulation in subduction zone: Uâ€“Pb zircon and Kâ€“Ar phengite doubleâ€dating of the Sanbagawa metamorphic complex in the Ikeda district, central Shikoku, southwest Japan. Island Arc, 2019, 28, e12306.	1.1	21
43	Uâ€Pb zircon geochronology of granites and charnockite from southern India: implications for magmatic pulses associated with plate tectonic cycles within a Precambrian suture zone. Geological Journal, 2012, 47, 237-252.	1.3	20
44	Detrital Zircon Age Spectra of the Upper Cretaceous Atogura and Tochiya Formations in the Northern Kanto Mountains, SW Japan. Journal of Geography (Chigaku Zasshi), 2015, 124, 633-656.	0.3	20
45	U-Pb zircon dating of the Sanbagawa metamorphic rocks in the Besshi-Asemi-gawa region, central Shikoku, Japan, and tectono-stratigraphic consequences. Journal of the Geological Society of Japan, 2019, 125, 183-194.	0.6	20
46	Isotopic analysis of platinum from single nanoparticles using a high-time resolution multiple collector Inductively Coupled Plasma - Mass Spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2020, 169, 105881.	2.9	20
47	High-resolution laser ablation inductively coupled plasma mass spectrometry used to study transport of metallic nanoparticles through collagen-rich microstructures in fibroblast multicellular spheroids. Analytical and Bioanalytical Chemistry, 2019, 411, 3497-3506.	3.7	17
48	Calcium isotope signature: new proxy for net change in bone volume for chronic kidney disease and diabetic rats. Metallomics, 2017, 9, 1745-1755.	2.4	16
49	Uâ€“Pb zircon ages of the Nakanogawa Group in the Hidaka Belt, northern Japan: Implications for its provenance and the protolith of the Hidaka metamorphic rocks. Island Arc, 2018, 27, e12234.	1.1	16
50	Age gap between the intrusion of gneissose granitoids and regional highâ€temperature metamorphism in the Ryoke belt (Mikawa area), central Japan. Island Arc, 2018, 27, e12224.	1.1	16
51	Position-by-position cooling paths within the Toki granite, central Japan: Constraints and the relation with fracture population in a pluton. Journal of Asian Earth Sciences, 2019, 169, 47-66.	2.3	16
52	U-Pb dating of calcite using LA-ICP-MS: Instrumental setup for non-matrix-matched age dating and determination of analytical areas using elemental imaging. Geochemical Journal, 2018, 52, 531-540.	1.0	16
53	Geochemical characteristics of back-arc basin lower crust and upper mantle at final spreading stage of Shikoku Basin: an example of Mado Megamullion. Progress in Earth and Planetary Science, 2021, 8, .	3.0	16
54	A Paleogene magmatic overprint on Cretaceous seamounts of the western Pacific. Island Arc, 2021, 30, e12386.	1.1	15

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55	New Uâ€“Pb zircon ages of the Sandbian (Upper Ordovician) â€œBig K-bentoniteâ€•in Baltoscandia (Estonia) Tj ETQq1 1 0.784314 rgBT	1.2	14
56	Zircon Uâ€“Pb dating from the mafic enclaves in the Tanzawa Tonalitic Pluton, Japan: Implications for arc history and formation age of the lower-crust. Lithos, 2014, 196-197, 301-320.	1.4	14
57	Duluth Complex apatites: Age reference material for LAâ€“ICPâ€“MSâ€‰based fissionâ€‰track dating. Terra Nova, 2019, 31, 247-256.	2.1	14
58	Zircon U-Pb ages of sedimentary complexes in the Hidaka Belt. Journal of the Geological Society of Japan, 2019, 125, 421-438.	0.6	14
59	Detrital zircon ages of Cambrian and Devonian sandstones from Estonia, central Baltica: a possible link to Avalonia during the Late Neoproterozoic. Gff, 2014, 136, 214-217.	1.2	13
60	Geochemical behavior of zirconium during Clâ€“rich fluid or melt infiltration under upper amphibolite facies metamorphism â€” A case study from Brattnipene, SÃ¸r Rondane Mountains, East Antarctica. Journal of Mineralogical and Petrological Sciences, 2015, 110, 166-178.	0.9	13
61	The effect of Mg and Sr on the crystallinity of bones evaluated through Raman spectroscopy and laser ablation-ICPMS analysis. Analyst, The, 2017, 142, 4265-4278.	3.5	13
62	Geochemical characteristics of zircons in the <scp>A</scp>shizuri <scp>A</scp>â€‰type granitoids: <scp>A</scp>n additional granite topology tool for detrital zircon studies. Island Arc, 2017, 26, e12216.	1.1	13
63	Zircon fission-track and U-Pb ages of the Green Tuff in Nishiwaga Town, Iwate Prefecture, and their implications. Journal of the Geological Society of Japan, 2018, 124, 819-835.	0.6	13
64	Petit-spot volcanoes on the oldest portion of the Pacific plate. Deep-Sea Research Part I: Oceanographic Research Papers, 2019, 154, 103142.	1.4	13
65	In situ isotopic analysis of uranium using a new data acquisition protocol for 10¹³ ohm Faraday amplifiers. Journal of Analytical Atomic Spectrometry, 2021, 36, 668-675.	3.0	13
66	A highâ€•T metamorphic complex derived from the highâ€•P S uo metamorphic complex in the Omuta district, northern Kyushu, southwest Japan. Island Arc, 2017, 26, e12208.	1.1	12
67	High-reliability zircon separation for hunting the oldest material on Earth: An automatic zircon separator with image-processing/microtweezers-manipulating system and double-step dating. Geoscience Frontiers, 2018, 9, 1073-1083.	8.4	12
68	Single-pulse laser ablationâ€“inductively coupled plasmaâ€“mass spectrometry Uâ€“Pb dating of thin zircon rims: An application to metamorphic rocks from Mount Everest, eastern Nepal. Chemical Geology, 2021, 559, 119903.	3.3	12
69	Simultaneous determination of 58 major and trace elements in volcanic glass shards from the INTAV sample mount using femtosecond laser ablation-inductively coupled plasma-mass spectrometry. Geochemical Journal, 2016, 50, 403-422.	1.0	12
70	Analytical Capability of High-Time Resolution-Multiple Collector-Inductively Coupled Plasma-Mass Spectrometry for the Elemental and Isotopic Analysis of Metal Nanoparticles. Mass Spectrometry, 2020, 9, A0085-A0085.	0.6	12
71	Major and trace element abundances in volcanic glass shards in visible tephras in SG93 and SG06 drillcore samples from Lake Suigetsu, central Japan, obtained using femtosecond LAâ€“ICPâ€“MS. Journal of Quaternary Science, 2020, 35, 66-80.	2.1	11
72	Brine Infiltration in the Middle to Lower Crust in a Collision Zone: Mass Transfer and Microtexture Development Through Wet Grainâ€“Boundary Diffusion. Journal of Petrology, 2019, 60, 329-358.	2.8	10

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73	Uâ€“Pb ages of granitoids around the Kofu basin: Implications for the Neogene geotectonic evolution of the South Fossa Magna region, central Japan. Island Arc, 2020, 29, e12361.	1.1	9
74	Size and isotopic ratio measurements of individual nanoparticles by a continuous ion-monitoring method using Faraday detectors equipped on a multi-collector-ICP-mass spectrometer. Journal of Analytical Atomic Spectrometry, 2022, 37, 178-184.	3.0	9
75	Fission track and Uâ€“Pb zircon ages of psammitic rocks from the Harushinai unit, Kamuikotan metamorphic rocks, central Hokkaido, Japan: constraints on metamorphic histories. Island Arc, 2015, 24, 379-403.	1.1	8
76	Correction of Mass Spectrometric Interferences for Rapid and Precise Isotope Ratio Measurements of Calcium from Biological Samples Using ICP-Mass Spectrometry. Analytical Sciences, 2019, 35, 793-798.	1.6	8
77	Elemental and Isotope Ratio Analysis of Single Nanoparticles Using a Multiple Collector ICP-MS. Bunseki Kagaku, 2019, 68, 81-88.	0.2	8
78	Zircon Uâ€“Pb ages and wholeâ€“rock geochemistry from the Hida granites: implications for the geotectonic history and the origin of Mesozoic granites in the Hida belt, Japan. Journal of Mineralogical and Petrological Sciences, 2021, 116, 61-66.	0.9	8
79	Petrographic Properties of Visible Tephra Layers in SG93 and SG06 Drill Core Samples from Lake Suigetsu, Central Japan. Journal of Geography (Chigaku Zasshi), 2019, 128, 879-903.	0.3	8
80	Kinetics and duration of metamorphic mineral growth in a subduction complex: zircon and phengite in the Nagasaki metamorphic complex, western Kyushu, Japan. Contributions To Mineralogy and Petrology, 2019, 174, 1.	3.1	7
81	Development of Data Analysis Software for Nanoparticle Measurements by ICP-Mass Spectrometry. Journal of the Mass Spectrometry Society of Japan, 2019, 67, 147-153.	0.1	7
82	Uâ€“Pb zircon geochronology of the North Pole Dome adamellite in the eastern Pilbara Craton. Island Arc, 2018, 27, e12248.	1.1	6
83	Uraniumâ€“lead isotopic analysis from transient signals using high-time resolution-multiple collector-ICP-MS (HTR-MC-ICP-MS). Journal of Analytical Atomic Spectrometry, 2021, 36, 70-74.	3.0	6
84	Size Analysis of Small Metal Nanoparticles Using Single Particle ICP Mass Spectrometry. Analytical Sciences, 2021, 37, 1637-1640.	1.6	6
85	The emplacement of in situ greenstones in the northern Hidaka belt: The tectonic relationship between subduction of the Izanagiâ€“Pacific ridge and Hidaka magmatic activity. Island Arc, 2021, 30, e12403.	1.1	6
86	The upper Oligocene to Miocene stratigraphy around the Kakunodate Town, eastern part of Dewa Hills, northeast Japan. Journal of the Geological Society of Japan, 2019, 125, 279-295.	0.6	6
87	Imaging of Ag NP transport through collagen-rich microstructures in fibroblast multicellular spheroids by high-resolution laser ablation inductively coupled plasma time-of-flight mass spectrometry. Analyst, The, 2019, 144, 4935-4942.	3.5	5
88	Amalgamation of the Ryoke and Sanbagawa metamorphic belts at the subduction interface: New insights from the Kashio mylonite along the Median Tectonic Line, Nagano, Japan. Journal of Metamorphic Geology, 2022, 40, 389-422.	3.4	5
89	Collisional bending of the western Paleoâ€Kuril Arc deduced from paleomagnetic analysis and Uâ€“Pb age determination. Island Arc, 2020, 29, e12329.	1.1	4
90	Size analysis of large-sized gold nanoparticles using single particle ICP-mass spectrometry. Journal of Analytical Atomic Spectrometry, 2020, 35, 2834-2839.	3.0	4

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91	Northward younging zircon fissionâ€track ages from 13 to 2 Ma in the eastern extension of the Kathmandu nappe and underlying Lesser Himalayan sediments distributed to the south of Mt. Everest. Island Arc, 2020, 29, e12352.	1.1	4
92	Incorporation of U, Pb and Rare Earth Elements in Calcite through Crystallisation from Amorphous Calcium Carbonate: Simple Preparation of Reference Materials for Microanalysis. Geostandards and Geoanalytical Research, 2021, 45, 189-205.	3.1	4
93	Zircon Uâ€“Pb chronology on plutonic rocks from northeastern Cambodia. Heliyon, 2021, 7, e06752.	3.2	4
94	Identification and correlation of tephras from the Plio-Pleistocene Shobudani Group, Kinokawa River, southwest Japan. The Quaternary Research, 2018, 57, 211-227.	0.1	4
95	Improvement of spatial resolution of elemental imaging using laser ablation-ICP-mass spectrometry. Analytical Sciences, 2022, 38, 695-702.	1.6	4
96	A numerical inversion method for improving the spatial resolution of elemental imaging by laser ablation-inductively coupled plasma-mass spectrometry. Journal of Analytical Atomic Spectrometry, 2018, 33, 2210-2218.	3.0	3
97	Development of an Imaging Method for Nanoparticles by a Laser Ablation ICP-MS. Bunseki Kagaku, 2019, 68, 1-7.	0.2	3
98	Northward cooling of the Kuncha nappe and downward heating of the Lesser Himalayan autochthon distributed to the south of Mt. Annapurna, western central Nepal. Island Arc, 2020, 29, e12349.	1.1	3
99	Nonâ€metamorphosed autochthonous Kunchaâ€Naudandaâ€Heklang Formations and their differences from those of the Kuncha nappe: A multichronological approach. Island Arc, 2021, 30, e12396.	1.1	3
100	Behavior of rare elements in Late Cretaceous pegmatites from the Setouchi Province, Inner Zone of Southwest Japan. Journal of Mineralogical and Petrological Sciences, 2013, 109, 28-33.	0.9	3
101	New age constraints and tectonic significance of the late Oligocene marine biosiliceous mudstone in the Hidaka Belt, northeastern Hokkaido, Japan. Journal of the Geological Society of Japan, 2020, 126, 71-84.	0.6	3
102	Examination of the Relationship between the Ukinuno and Sakate Tephras from Sambe Volcano, Southwest Japan. Journal of Geography (Chigaku Zasshi), 2020, 129, 375-396.	0.3	3
103	Extensional stress accompanied by Miocene near-trench magmatism in the southern Kii Peninsula, SW Japan. Journal of Asian Earth Sciences, 2022, 235, 105266.	2.3	3
104	Zircon Uâ€“Pb ages of Miocene granitic rocks in the Koshikijima Islands: Implications for Neogene tectonics in the Kyushu region, <scp>southwest</scp> Japan. Island Arc, 2021, 30, e12383.	1.1	2
105	Uâ€“Pb ages of zircons from metamorphic rocks in the upper sequence of the Hidaka Metamorphic Belt, Hokkaido, Japan: Identification of two metamorphic events and implications for regional tectonics. Island Arc, 2021, 30, e12393.	1.1	2
106	Discovery of the Early Jurassic high-temperature pre-Sanbagawa metamorphism recorded in titanite. Lithos, 2021, 398-399, 106349.	1.4	2
107	New age constraints and tectonic significance of the early Miocene sediments in the Hidaka Belt around Tomuraushi area, central Hokkaido, Japan. Journal of the Geological Society of Japan, 2020, 126, 605-620.	0.6	2
108	Elemental Analysis Using Multiple Spot Laser Ablation-ICP-Mass Spectrometry. Journal of the Mass Spectrometry Society of Japan, 2019, 67, 154-159.	0.1	2

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109	Zircon U-Pb ages of the Paleogene formation in the western part of Mihara City, Hiroshima Prefecture. Journal of the Geological Society of Japan, 2021, 127, 479-187.	0.6	2
110	Zircon Uâ€“Pbâ€“Hf Isotopic and Trace Element Analyses for Oceanic Mafic Crustal Rock of the Neoproterozoicâ€“Early Paleozoic Oeyama Ophiolite Unit and Implication for Subduction Initiation of Proto-Japan Arc. Minerals (Basel, Switzerland), 2022, 12, 107.	2.0	2
111	Age and associated stress field of middle Miocene backâ€arc basalt magmatism in Northeast Japan. Island Arc, 2021, 30, e12379.	1.1	1
112	Using a gem garnet (GA1) as a possible reference material for in situ microanalysis of garnet. Geochemical Journal, 2015, 49, 421-424.	1.0	1
113	Laser Ablation â€“ Inductively Coupled Plasma Mass Spectrometry. Encyclopedia of Earth Sciences Series, 2018, , 801-810.	0.1	1
114	Identification of multiple widespread tephras from the volcanic glass shard chemistry of muddy sediments of the Nohbi Formation, central Japan. The Quaternary Research, 2019, 58, 333-348.	0.1	1
115	A new gain calibration protocol for Faraday amplifiers equipped with a 10¹³ Î© resistor. Journal of Analytical Atomic Spectrometry, 2022, 37, 1076-1083.	3.0	1
116	Development of a Continuous Sampling Technique Based on Laser Ablation in Liquid (CLAL) for the Realtime-elemental Analysis of Solid Materials Using an ICP-MS. Bunseki Kagaku, 2021, 70, 729-735.	0.2	1
117	Decoupling of Uâ€“Pb ages and compositional zoning of garnet in a highâ€“pressure marble from the eastern Iratsu body, Sanbagawa metamorphic terrane, Japan. Journal of Mineralogical and Petrological Sciences, 2022, 117, n/a.	0.9	1
118	Early Cretaceous partial melting recorded by pelitic gneiss from the Nagasaki Metamorphic Complex, western Kyushu, Japan: initiation of Cretaceous high-T metamorphism at eastern margin of Eurasia. International Geology Review, 0, , 1-28.	2.1	0
119	Laser Ablation â€“ Inductively Coupled Plasma Mass Spectrometry. Encyclopedia of Earth Sciences Series, 2017, , 1-10.	0.1	0
120	Age and associated stress field of the Miocene Tochihara Rhyolites using dikes in the Daigo Town, Northeast Japan. Journal of the Geological Society of Japan, 2021, 127, 395-402.	0.6	0
121	Determination of highly precise and accurate eruptive age of Obirakiyama Tuff, ejecta from Yunosawa Caldera, southern Aomori Prefecture:. Journal of the Geological Society of Japan, 2021, 127, 545-561.	0.6	0
122	Electron Multiplier and Daly Detector. Journal of the Mass Spectrometry Society of Japan, 2021, 69, 166-170.	0.1	0