

Yuji Higo

List of Publications by Year in descending order

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128
papers

3,035
citations

159585
30
h-index

197818
49
g-index

130
all docs

130
docs citations

130
times ranked

2255
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability of hydrous silicate at high pressures and water transport to the deep lower mantle. <i>Nature Geoscience</i> , 2014, 7, 224-227.	12.9	259
2	Sound velocities of majorite garnet and the composition of the mantle transition region. <i>Nature</i> , 2008, 451, 814-817.	27.8	130
3	$P\text{-}V\text{-}T$ relation of MgO derived by simultaneous elastic wave velocity and in situ X-ray measurements: A new pressure scale for the mantle transition region. <i>Physics of the Earth and Planetary Interiors</i> , 2010, 183, 196-211.	1.9	113
4	Semidilute region for linear polymers in good solvents. <i>Macromolecules</i> , 1984, 17, 1055-1059.	4.8	86
5	The system $\text{K}_2\text{CO}_3\text{-MgCO}_3$ at 6 GPa and 900-1450 ÅC. <i>American Mineralogist</i> , 2013, 98, 1593-1603.	1.9	79
6	Effect of water on the spinel-postspinel transformation in Mg_2SiO_4 . <i>Geophysical Research Letters</i> , 2001, 28, 3505-3508.	4.0	75
7	Osmotic Pressure of Semidilute Solutions of Branched Polymers. <i>Polymer Journal</i> , 1983, 15, 367-375.	2.7	69
8	Sound velocity of CaSiO_3 perovskite suggests the presence of basaltic crust in the Earth's lower mantle. <i>Nature</i> , 2019, 565, 218-221.	27.8	66
9	Generation of pressures over 40 GPa using Kawai-type multi-anvil press with tungsten carbide anvils. <i>Review of Scientific Instruments</i> , 2016, 87, 024501.	1.3	64
10	Equation of state of Fe : Reference density for planetary cores. <i>Earth and Planetary Science Letters</i> , 2013, 375, 244-253.	4.4	60
11	The effect of iron on the elastic properties of ringwoodite at high pressure. <i>Physics of the Earth and Planetary Interiors</i> , 2006, 159, 276-285.	1.9	59
12	The phase boundary between wadsleyite and ringwoodite in Mg_2SiO_4 determined by in situ X-ray diffraction. <i>Physics and Chemistry of Minerals</i> , 2006, 33, 106-114.	0.8	58
13	Over 1 Mbar generation in the Kawai-type multi-anvil apparatus and its application to compression of $(\text{Mg}_{0.92}\text{Fe}_{0.08})\text{SiO}_3$ perovskite and stishovite. <i>Physics of the Earth and Planetary Interiors</i> , 2014, 228, 262-267.	1.9	55
14	Mantle dynamics inferred from the crystallographic preferred orientation of bridgmanite. <i>Nature</i> , 2016, 539, 81-84.	27.8	55
15	Elastic wave velocities of $(\text{Mg}_{0.91}\text{Fe}_{0.09})_2\text{SiO}_4$ ringwoodite under $P\text{-}T$ conditions of the mantle transition region. <i>Physics of the Earth and Planetary Interiors</i> , 2008, 166, 167-174.	1.9	54
16	High-pressure phase transitions in FeCr_2O_4 and structure analysis of new post-spinel FeCr_2O_4 and $\text{Fe}_2\text{Cr}_2\text{O}_5$ phases with meteoritical and petrological implications. <i>American Mineralogist</i> , 2014, 99, 1788-1797.	1.9	54
17	Intermediate-depth earthquakes linked to localized heating in dunite and harzburgite. <i>Nature Geoscience</i> , 2017, 10, 771-776.	12.9	53
18	Dislocation-accommodated grain boundary sliding as the major deformation mechanism of olivine in the Earth's upper mantle. <i>Science Advances</i> , 2015, 1, e1500360.	10.3	49

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19	Simultaneous sound velocity and density measurements of NaCl at high temperatures and pressures: Application as a primary pressure standard. <i>American Mineralogist</i> , 2012, 97, 1670-1675.	1.9	48
20	P-V-T equation of state of CaCO ₃ aragonite to 29 GPa and 1673 K: In situ X-ray diffraction study. <i>Physics of the Earth and Planetary Interiors</i> , 2017, 265, 82-91.	1.9	48
21	Melting and subsolidus phase relations in the system Na ₂ CO ₃ -MgCO ₃ -H ₂ O at 6 GPa and the stability of Na ₂ Mg(CO ₃) ₂ in the upper mantle. <i>American Mineralogist</i> , 2013, 98, 2172-2182.	1.9	47
22	A system for measuring elastic wave velocity under high pressure and high temperature using a combination of ultrasonic measurement and the multi-anvil apparatus at SPring-8. <i>Journal of Synchrotron Radiation</i> , 2009, 16, 762-768.	2.4	45
23	Thermal equation of state of Mg ₃ Al ₂ Si ₃ O ₁₂ pyrope garnet up to 19 GPa and 1,700 K. <i>Physics and Chemistry of Minerals</i> , 2012, 39, 589-598.	0.8	41
24	Pressure and temperature dependences of elastic properties of grossular garnet up to 17 GPa and 1 650 K. <i>Journal of Earth Science (Wuhan, China)</i> , 2010, 21, 782-791.	3.2	40
25	Phase Relations in the System MgSiO ₃ -Al ₂ O ₃ up to 2300 K at Lower Mantle Pressures. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 7775-7788.	3.4	40
26	In situ observation of a garnet/perovskite transition in CaGeO ₃ . <i>Physics and Chemistry of Minerals</i> , 2011, 38, 735-740.	0.8	39
27	Pressure and Composition Effects on Sound Velocity and Density of Core-Forming Liquids: Implication to Core Compositions of Terrestrial Planets. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 2272-2293.	3.6	39
28	Sound velocities of Fe ₃ Al ₂ Si ₃ O ₁₂ almandine up to 19 GPa and 1700 K. <i>Physics of the Earth and Planetary Interiors</i> , 2015, 246, 1-8.	1.9	38
29	Elastic wave velocities of silica glass at high temperatures and high pressures. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	35
30	Precise determination of the phase boundary between coesite and stishovite in SiO ₂ . <i>Physics of the Earth and Planetary Interiors</i> , 2017, 264, 1-6.	1.9	35
31	Towards a consensus on the pressure and composition dependence of sound velocity in the liquid Fe-S system. <i>Physics of the Earth and Planetary Interiors</i> , 2016, 257, 230-239.	1.9	31
32	Sharp 660-km discontinuity controlled by extremely narrow binary post-spinel transition. <i>Nature Geoscience</i> , 2019, 12, 869-872.	12.9	31
33	Elasticity and sound velocities of polycrystalline Mg ₃ Al ₂ (SiO ₄) ₃ garnet up to 20 GPa and 1700 K. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	30
34	Curious kinetic behavior in silica polymorphs solves seifertite puzzle in shocked meteorite. <i>Science Advances</i> , 2015, 1, e1500075.	10.3	29
35	Isothermal compression of face-centered cubic iron. <i>American Mineralogist</i> , 2012, 97, 1417-1420.	1.9	25
36	Pressure generation to 65 GPa in a Kawai-type multi-anvil apparatus with tungsten carbide anvils. <i>High Pressure Research</i> , 2017, 37, 507-515.	1.2	25

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37	Decomposition of kyanite and solubility of Al ₂ O ₃ in stishovite at high pressure and high temperature conditions. <i>Physics and Chemistry of Minerals</i> , 2006, 33, 711-721.	0.8	24
38	In situ stress-strain measurements in a deformation-DIA apparatus at P-T conditions of the upper part of the mantle transition zone. <i>American Mineralogist</i> , 2011, 96, 1665-1672.	1.9	23
39	Sound velocity measurements in liquid Fe-S at high pressure: Implications for Earth's and lunar cores. <i>Earth and Planetary Science Letters</i> , 2013, 362, 182-186.	4.4	23
40	High-pressure and high-temperature phase diagram for Fe _{0.9} Ni _{0.1} -H alloy. <i>Physics of the Earth and Planetary Interiors</i> , 2014, 228, 192-201.	1.9	23
41	Synthesis of boron-doped diamond and its application as a heating material in a multi-anvil high-pressure apparatus. <i>Review of Scientific Instruments</i> , 2017, 88, 093904.	1.3	23
42	High-pressure generation in the Kawai-type multianvil apparatus equipped with tungsten-carbide anvils and sintered-diamond anvils, and X-ray observation on CaSnO ₃ and (Mg,Fe)SiO ₃ . <i>Comptes Rendus - Geoscience</i> , 2019, 351, 253-259.	1.2	23
43	Hydrostatic Compression Behavior and High-Pressure Stabilized $\hat{1}^2$ -Phase in $\hat{1}^3$ -Based Titanium Aluminide Intermetallics. <i>Metals</i> , 2016, 6, 165.	2.3	22
44	Effect of rare-earth ion size on elasticity and crack initiation in rare-earth aluminate glasses. <i>Journal of the American Ceramic Society</i> , 2018, 101, 5030-5036.	3.8	22
45	Transition from melting to carbonization of naphthalene, anthracene, pyrene and coronene at high pressure. <i>Physics of the Earth and Planetary Interiors</i> , 2017, 270, 29-39.	1.9	21
46	In situ observation of a phase transition in Fe ₂ SiO ₄ at high pressure and high temperature. <i>Physics and Chemistry of Minerals</i> , 2013, 40, 811-816.	0.8	20
47	Sound velocities measurement on MgSiO ₃ akimotoite at high pressures and high temperatures with simultaneous in situ X-ray diffraction and ultrasonic study. <i>Physics of the Earth and Planetary Interiors</i> , 2014, 228, 97-105.	1.9	20
48	High-Pressure-High-Temperature Study of Benzene: Refined Crystal Structure and New Phase Diagram up to 8 GPa and 923 K. <i>Crystal Growth and Design</i> , 2018, 18, 3016-3026.	3.0	20
49	Effect of pressure on temperature measurements using WRe thermocouple and its geophysical impact. <i>Physics of the Earth and Planetary Interiors</i> , 2020, 298, 106348.	1.9	20
50	Pressure-induced amorphization of a dense coordination polymer and its impact on proton conductivity. <i>APL Materials</i> , 2014, 2, .	5.1	19
51	Sound velocity and elastic properties of Fe-Ni and Fe-Ni-C liquids at high pressure. <i>Physics and Chemistry of Minerals</i> , 2016, 43, 229-236.	0.8	19
52	Unusual Pressure Effect on the Shear Modulus in MgAl ₂ O ₄ Spinel. <i>Journal of Physical Chemistry C</i> , 2013, 117, 24518-24526.	3.1	18
53	In situ observation of crystallographic preferred orientation of deforming olivine at high pressure and high temperature. <i>Physics of the Earth and Planetary Interiors</i> , 2015, 243, 1-21.	1.9	17
54	Exploratory study of the new B-doped diamond heater at high pressure and temperature and its application to in situ XRD experiments on hydrous Mg-silicate melt. <i>High Pressure Research</i> , 2008, 28, 255-264.	1.2	16

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55	P ₀ -V ₀ T equation of state of siderite to 33 GPa and 1673 K. <i>Physics of the Earth and Planetary Interiors</i> , 2013, 224, 83-87.	1.9	16
56	Elastic wave velocity of polycrystalline $Mg_{80}Fe_{20}$ garnet to 21 GPa and 2,000 K. <i>Physics and Chemistry of Minerals</i> , 2015, 42, 213-222.	0.8	16
57	Sound velocities of aluminum-bearing stishovite in the mantle transition zone. <i>Geophysical Research Letters</i> , 2016, 43, 4239-4246.	4.0	16
58	Solid Solution and Compression Behavior of Hydroxides in the Lower Mantle. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 10231-10239.	3.4	16
59	Ultrafine spherulite Mg alloy with high yield strength. <i>Journal of Alloys and Compounds</i> , 2019, 784, 1284-1289.	5.5	16
60	Hydrogenation of FeSi under high pressure. <i>American Mineralogist</i> , 2011, 96, 93-99.	1.9	15
61	Sound velocities of MORB and absence of a basaltic layer in the mantle transition region. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	15
62	Stability and Solubility of the $FeAlO_3$ Component in Bridgmanite at Uppermost Lower Mantle Conditions. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018447.	3.4	15
63	Depressed 660-km discontinuity caused by akimotoite-bridgmanite transition. <i>Nature</i> , 2022, 601, 69-73.	27.8	15
64	Phase transitions of serpentine in the lower mantle. <i>Physics of the Earth and Planetary Interiors</i> , 2015, 245, 52-58.	1.9	14
65	Exsolution kinetics of majoritic garnet from clinopyroxene in subducting oceanic crust. <i>Physics of the Earth and Planetary Interiors</i> , 2011, 189, 47-55.	1.9	13
66	Phase relations in the carbon-saturated $Ca-Mg-Fe-Si-O$ system and C and Si solubility in liquid Fe at high pressure and temperature: implications for planetary interiors. <i>Physics and Chemistry of Minerals</i> , 2013, 40, 647-657.	0.8	13
67	Creep strength of ringwoodite measured at pressure-temperature conditions of the lower part of the mantle transition zone using a deformation-DIA apparatus. <i>Earth and Planetary Science Letters</i> , 2016, 454, 10-19.	4.4	13
68	Effect of sulfur on sound velocity of liquid iron under Martian core conditions. <i>Nature Communications</i> , 2020, 11, 1954.	12.8	13
69	High-Pressure and High-Temperature Stability and Equation of State of Superhydrous Phase B. <i>Geophysical Monograph Series</i> , 2013, , 147-157.	0.1	12
70	Deformation-induced crystallographic-preferred orientation of hcp-iron: An experimental study using a deformation-DIA apparatus. <i>Earth and Planetary Science Letters</i> , 2018, 490, 151-160.	4.4	12
71	Thermal equation of state of $MgSiO_4$ phase H determined by in situ X-ray diffraction and a multianvil apparatus. <i>Physics and Chemistry of Minerals</i> , 2018, 45, 995-1001.	0.8	12
72	Development of a New Suppressor for the Ion Chromatography of Inorganic Cations. <i>Analytical Sciences</i> , 2014, 30, 477-482.	1.6	11

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73	Compressibilities of MnFe ₂ O ₄ polymorphs. <i>Physics and Chemistry of Minerals</i> , 2015, 42, 569-577.	0.8	11
74	Compressional and shear wave velocities for polycrystalline <i>bcc</i> -Fe up to 6.3 GPa and 800 K. <i>American Mineralogist</i> , 2016, 101, 1150-1160.	1.9	11
75	Thermoelastic properties of chromium oxide Cr ₂ O ₃ (eskolait) at high pressures and temperatures. <i>Physics and Chemistry of Minerals</i> , 2016, 43, 447-458.	0.8	11
76	High-pressure X-ray diffraction and Raman spectroscopy of CaFe ₂ O ₄ -type $\hat{\Gamma}$ -CaCr ₂ O ₄ . <i>Physics and Chemistry of Minerals</i> , 2016, 43, 307-314.	0.8	11
77	Grain growth of $\hat{\Gamma}$ -iron: Implications to grain size and its evolution in the Earth's inner core. <i>Earth and Planetary Science Letters</i> , 2017, 459, 238-243.	4.4	11
78	High-Pressure Phase Diagrams of Na ₂ CO ₃ and K ₂ CO ₃ . <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 599.	2.0	11
79	Viscosity of bridgmanite determined by in situ stress and strain measurements in uniaxial deformation experiments. <i>Science Advances</i> , 2022, 8, eabm1821.	10.3	11
80	Phase boundary between perovskite and post-perovskite structures in MnGeO ₃ determined by in situ X-ray diffraction measurements using sintered diamond anvils. <i>American Mineralogist</i> , 2011, 96, 89-92.	1.9	10
81	Determination of pressure effect on thermocouple electromotive force using multi-anvil apparatus. <i>High Pressure Research</i> , 2016, 36, 121-139.	1.2	10
82	Lattice parameter evolution during heating of Ti-45Al-7.5Nb-0.25/0.5C alloys under atmospheric and high pressures. <i>Intermetallics</i> , 2018, 102, 120-131.	3.9	10
83	Phase transition of wadsleyite-ringwoodite in the Mg ₂ SiO ₄ -Fe ₂ SiO ₄ system. <i>American Mineralogist</i> , 2019, 104, 588-594.	1.9	10
84	Sound velocity measurements of $\hat{\Gamma}$ -FeOOH up to 24 GPa. <i>Journal of Mineralogical and Petrological Sciences</i> , 2019, 114, 155-160.	0.9	9
85	Repulsive Nature for Hydrogen Incorporation to Fe ₃ C up to 14 GPa. <i>ISIJ International</i> , 2014, 54, 2637-2642.	1.4	9
86	Preparation and Characterization of a Poly(strong base) with Narrow Molecular Weight Distribution; Poly(4-vinylbenzyltrimethylammonium chloride). <i>Polymer Journal</i> , 1980, 12, 729-734.	2.7	8
87	Gel-Permeation Chromatography and Intrinsic Viscosity of Poly(4-vinylbenzyltrimethylammonium) Tj ETQq1 1 0.784314 rgBT/g/Overlo	2.7	8
88	Stress relaxation experiments of olivine under conditions of subducted slab in Earth's deep upper mantle. <i>Physics of the Earth and Planetary Interiors</i> , 2010, 183, 164-174.	1.9	8
89	Sound Velocities of Al-bearing Phase D up to 22 GPa and 1300 K. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088877.	4.0	8
90	Stress measurement under high pressure using Kawai-type multi-anvil apparatus combined with synchrotron radiation. <i>Journal of Synchrotron Radiation</i> , 2009, 16, 757-761.	2.4	7

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91	High pressure study of transition metal monoxides MnO and CoO: Structure and electrical resistance. <i>Physics of the Earth and Planetary Interiors</i> , 2014, 228, 170-175.	1.9	7
92	Formation of a metastable hollandite phase from amorphous plagioclase: A possible origin of lingunite in shocked chondritic meteorites. <i>Physics of the Earth and Planetary Interiors</i> , 2017, 272, 50-57.	1.9	7
93	Flow behavior and microstructures of hydrous olivine aggregates at upper mantle pressures and temperatures. <i>Contributions To Mineralogy and Petrology</i> , 2017, 172, 1.	3.1	7
94	Synchrotron X-ray diffraction observation of phase transformation during annealing of Si processed by high-pressure torsion. <i>Philosophical Magazine Letters</i> , 2021, 101, 223-231.	1.2	7
95	Direct Viscosity Measurement of Peridotite Melt to Lower-Mantle Conditions: A Further Support for a Fractional Magma-Ocean Solidification at the Top of the Lower Mantle. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094507.	4.0	7
96	Static compression of (Mg _{0.83} ,Fe _{0.17})O and (Mg _{0.75} ,Fe _{0.25})O ferropericlase up to 58 GPa at 300, 700, and 1100 K. <i>American Mineralogist</i> , 2012, 97, 176-183.	1.9	6
97	New phases of binary compounds: CsCl-type RuGe and RuSn. <i>Europhysics Letters</i> , 2014, 107, 56003.	2.0	6
98	Thermal expansion and P-V-T equation of state of cubic silicon nitride. <i>Journal of the European Ceramic Society</i> , 2019, 39, 3627-3633.	5.7	6
99	Hardness of polycrystalline SiO ₂ coesite. <i>Journal of the American Ceramic Society</i> , 2019, 102, 2251-2256.	3.8	6
100	Correlation Lengths of Linear and Branched Polymers in a Good Solvent. <i>Polymer Journal</i> , 1986, 18, 941-946.	2.7	5
101	Reaction boundary between akimotoite and ringwoodite-stishovite in MgSiO ₃ . <i>Physics and Chemistry of Minerals</i> , 2017, 44, 425-430.	0.8	5
102	Nano-polycrystalline diamond synthesized from neutron-irradiated highly oriented pyrolytic graphite (HOPG). <i>Diamond and Related Materials</i> , 2018, 82, 132-136.	3.9	5
103	High-pressure and high-temperature synthesis of heavy lanthanide sesquisulfides Ln ₂ S ₃ (Ln = Yb and Tm). <i>Journal of Applied Physics</i> , 2018, 123, 161577.	5.5	5
104	Elastic wave velocities and Raman shift of MORB glass at high pressures. <i>Journal of Mineralogical and Petrological Sciences</i> , 2008, 103, 126-130.	0.9	5
105	Effects of Microwave Irradiation on Nonspecific Protein Binding in the Solid Phase Coated with Bovine Serum Albumin. <i>Polymer Journal</i> , 2005, 37, 109-117.	2.7	4
106	Development of an Anti-Analyte Ion Remover Used for Ion Chromatography: Part 1. Examination of a Device for Anion Analysis. <i>Analytical Sciences</i> , 2012, 28, 1071-1074.	1.6	4
107	Elastic wave velocity anomalies of anorthite in a subducting plate: In situ experiments. <i>American Mineralogist</i> , 2015, 100, 1856-1865.	1.9	4
108	Quenchable compressed graphite synthesized from neutron-irradiated highly oriented pyrolytic graphite in high pressure treatment at 1500°C. <i>Journal of Applied Physics</i> , 2018, 123, 161577.	2.5	4

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109	Sound Velocity of MgSiO ₃ Majorite Garnet up to 18 GPa and 2000 K. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093499.	4.0	4
110	Low Velocity Zones in the Martian Upper Mantle Highlighted by Sound Velocity Measurements. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093977.	4.0	4
111	Selective removal of carbon dioxide contained in the effluent from ion chromatography suppressors using a new non-vacuum device. <i>Journal of Chromatography A</i> , 2015, 1392, 69-73.	3.7	3
112	Short-period cyclic loading system for <i>in situ</i> X-ray observation of anelastic properties at high pressure. <i>Review of Scientific Instruments</i> , 2016, 87, 105106.	1.3	3
113	Simultaneous generation of ultrahigh pressure and temperature to 50 GPa and 3300 K in multi-anvil apparatus. <i>Review of Scientific Instruments</i> , 2021, 92, 103902.	1.3	3
114	Sound velocity and density of liquid Ni ₆₈ S ₃₂ under pressure using ultrasonic and X-ray absorption with tomography methods. <i>Comptes Rendus - Geoscience</i> , 2019, 351, 163-170.	1.2	2
115	Continuous measurement of ultrasonic elastic wave velocities, X-ray radiography and X-ray diffraction of Zr ₅₀ Cu ₄₀ Al ₁₀ metallic glass at high pressure and high temperature conditions. <i>High Pressure Research</i> , 2021, 41, 219-232.	1.2	2
116	Elastic wave velocities and Raman shift of MORB glass at high pressures – Reply. <i>Journal of Mineralogical and Petrological Sciences</i> , 2008, 103, 429-431.	0.9	2
117	Deformation of Post-spinel Under the Lower Mantle Conditions. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	2
118	Equation of state of Ca ₂ AlSiO _{5.5} oxygen defect perovskite. <i>Physics and Chemistry of Minerals</i> , 2015, 42, 327-336.	0.8	1
119	In-line System to Produce High-Purity Acid Solutions. <i>Analytical Sciences</i> , 2016, 32, 695-700.	1.6	1
120	Device to generate high purity hydroxide solution in-line for ion chromatography. <i>Journal of Chromatography A</i> , 2016, 1445, 105-111.	3.7	1
121	In-situ observation of the structural change in MgO-B ₂ O ₃ -SiO ₂ glass at high pressure and the permanent structural change. <i>Journal of Non-Crystalline Solids</i> , 2018, 499, 25-31.	3.1	1
122	Thermoelastic Properties of K _{0.7} Na _{0.3} AlSi ₃ O ₈ Hollandite and NaAlSi ₂ O ₆ Jadeite: Implication for the Fate of the Subducted Continental Crust in the Deep Mantle. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 261.	2.0	1
123	Seismic Anisotropy in the Lower Mantle Transition Zone Induced by Lattice Preferred Orientation of Akimotoite. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	1
124	Phase boundary between cubic B1 and rhombohedral structures in (Mg,Fe)O magnesiowüstite determined by <i>in situ</i> X-ray diffraction measurements. <i>Physics and Chemistry of Minerals</i> , 2018, 45, 51-58.	0.8	0
125	Pressure effect on the electromotive force of the type R thermocouple. <i>High Pressure Research</i> , 2020, 40, 205-218.	1.2	0
126	<i>In situ</i> X-ray diffraction study on structural changes of neutron-irradiated highly oriented pyrolytic graphite under room- temperature compression and decompression. <i>Diamond and Related Materials</i> , 2022, 123, 108828.	3.9	0

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127	Overview of the High-Pressure Beamlines at SPring-8 and the Latest Research Results. Nihon Kessho Gakkaishi, 2022, 64, 33-40.	0.0	0
128	Exploration of the best reference material on anelastic measurement by cyclic loading under high pressure. High Pressure Research, 2022, 42, 14-28.	1.2	0