

Changyong Park

List of Publications by Year in descending order

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154
papers

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159
all docs

159
docs citations

159
times ranked

5284
citing authors

#	ARTICLE	IF	CITATIONS
1	Pressure-induced metallization and 3d-like behavior in TcS ₂ .. Chemical Communications, 2022, , .	2.2	0
2	Systematic structural study in praseodymium compressed in a neon pressure medium up to 185 GPa. Physical Review B, 2022, 105, .	1.1	2
3	High-pressure structural systematics of dysprosium metal compressed in a neon pressure medium to 182 GPa. Physical Review B, 2022, 105, .	1.1	0
4	Pressure-Induced Enhancement of Thermoelectric Figure of Merit and Structural Phase Transition in TiNiSn. Journal of Physical Chemistry Letters, 2021, 12, 1046-1051.	2.1	12
5	The stability of subducted glaucophane with the Earth's secular cooling. Nature Communications, 2021, 12, 1496.	5.8	10
6	Phase transformations, microstructural refinement and defect evolution mechanisms in Al-Si alloys under non-hydrostatic diamond anvil cell compression. Materialia, 2021, 15, 101049.	1.3	5
7	Hybrid Double Perovskite Containing Helium: [He ₂][CaZrF ₆]. Chemistry of Materials, 2021, 33, 3132-3138.	3.2	7
8	Shear strength measurements and hydrostatic compression of rhenium diboride under high pressures. Journal of Applied Physics, 2021, 129, 205901.	1.1	4
9	High pressure stability of ¹² Zr: no evidence for isostructural phase transitions. High Pressure Research, 2021, 41, 247-266.	0.4	4
10	Characterization of zirconium carbide microspheres synthesized via internal gelation. Journal of Nuclear Materials, 2021, 557, 153218.	1.3	3
11	Prevalence of pretransition disordering in the rutile-to- CaCl_2 phase transition of GeO_2 . Physical Review B, 2021, 104, .	1.1	2
12	Observation of 9-Fold Coordinated Amorphous TiO ₂ at High Pressure. Journal of Physical Chemistry Letters, 2020, 11, 374-379.	2.1	10
13	Novel Superstructure-Phase Two-Dimensional Material 1T-VSe ₂ at High Pressure. Journal of Physical Chemistry Letters, 2020, 11, 380-386.	2.1	17
14	High-pressure structural behavior and elastic properties of U ₃ Si ₅ : A combined synchrotron XRD and DFT study. Journal of Nuclear Materials, 2020, 540, 152373.	1.3	4
15	Long-Range Ordered Amorphous Atomic Chains as Building Blocks of a Superconducting Quasi-One-Dimensional Crystal. Advanced Materials, 2020, 32, e2002352.	11.1	20
16	Aberrant electronic and structural alterations in pressure tuned perovskite NaOsO ₃ . Npj Quantum Materials, 2020, 5, .	1.8	4
17	X-Ray Diffraction and Electron Microscopy Studies of the Size Effects on Pressure-Induced Phase Transitions in CdS Nanocrystals. MRS Advances, 2020, 5, 2447-2455.	0.5	3
18	Room-temperature compression and equation of state of body-centered cubic zirconium. Journal of Physics Condensed Matter, 2020, 32, 12LT02.	0.7	9

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19	Nonclassical Behavior in Competitive Ion Adsorption at a Charged Solid–Water Interface. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4029-4035.	2.1	10
20	Anomalous Conductivity in the Rutile Structure Driven by Local Disorder. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5351-5356.	2.1	4
21	Probing disorder in high-pressure cubic tin (IV) oxide: a combined X-ray diffraction and absorption study. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 1245-1252.	1.0	8
22	Experimental evidence of crystal symmetry protection for the topological nodal line semimetal state in ZrSiS. <i>Physical Review B</i> , 2019, 100, .	1.1	19
23	Experimental observations of large changes in electron density distributions in $\hat{\Gamma}^2\hat{a}^{\sim}\text{Ge}$. <i>Physical Review B</i> , 2019, 100, .	1.1	3
24	Real time study of grain enlargement in zirconium under room-temperature compression across the $\hat{\Gamma}^{\pm}$ to Γ phase transition. <i>Scientific Reports</i> , 2019, 9, 15712.	1.6	4
25	Effect of pressure on structural and electronic properties of the noncentrosymmetric superconductor $\text{Rh}_2\text{Mo}_3\text{N}$. <i>Physical Review B</i> , 2019, 100, .	1.1	4
26	Pressure induced transformation and subsequent amorphization of monoclinic Nb_2O_5 and its effect on optical properties. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 105401.	0.7	7
27	Parameters in $S_r B_m M_n O_x$ $\hat{\Gamma}^{\pm}$ $B_m M_n O_x$ $\hat{\Gamma}^{\pm}$ $B_m M_n O_x$		
28	Tunable multiferroic order parameters in Sr- Ba Mn- Ti O. <i>Physical Review Materials</i> , 2019, 3, .	0.9	0
29	Compressibility and thermoelectric behavior of TiCoSb half-Heusler compound at high pressures. <i>Intermetallics</i> , 2018, 95, 137-143.	1.8	12
30	Radiation-induced disorder in compressed lanthanide zirconates. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 6187-6197.	1.3	10
31	A_2TiO_5 (A = Dy, Gd, Er, Yb) at High Pressure. <i>Inorganic Chemistry</i> , 2018, 57, 2269-2277.	1.9	6
32	Local structure of NiPd solid solution alloys and its response to ion irradiation. <i>Journal of Alloys and Compounds</i> , 2018, 755, 242-250.	2.8	10
33	Swift-heavy ion irradiation response and annealing behavior of A_2TiO_5 (A = Nd, Gd, and Yb). <i>Journal of Solid State Chemistry</i> , 2018, 258, 108-116.	1.4	10
34	Pressure-induced superconductivity in topological semimetal NbAs_2 . <i>Npj Quantum Materials</i> , 2018, 3, .	1.8	25
35	Cationic Dependence of X-ray Induced Damage in Strontium and Barium Nitrate. <i>Journal of Physical Chemistry A</i> , 2018, 122, 8722-8728.	1.1	6
36	Pressure-induced topological insulator-to-metal transition and superconductivity in Sn-doped Bi_2Se_3 . <i>Physical Review B</i> , 2018, 98, 080401.	1.1	9

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37	Tuning magnetic coercivity with external pressure in iron-rhenium based ferrimagnetic double perovskites. <i>Physical Review B</i> , 2018, 98, .	1.1	12
38	Pressure-tunable Visible-Range Band Gap in the Ionic Spinel Tin Nitride. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11623-11628.	7.2	22
39	Prolonged mixed phase induced by high pressure in MnRuP. <i>Physical Review B</i> , 2018, 97, .	1.1	3
40	Pressure-induced Metallization and Robust Superconductivity in Pristine $1T\text{-SnSe}_2$. <i>Advanced Electronic Materials</i> , 2018, 4, 1800155.	2.6	33
41	A metastable liquid melted from a crystalline solid under decompression. <i>Nature Communications</i> , 2017, 8, 14260.	5.8	26
42	Pressure-induced fcc to hcp phase transition in Ni-based high entropy solid solution alloys. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	62
43	X-ray absorption investigation of local structural disorder in $\text{Ni}_{1-x}\text{Fe}_x$ ($x=0.10, 0.20, 0.35, \text{ and } 0.50$) alloys. <i>Journal of Applied Physics</i> , 2017, 121, 165105.	1.1	4
44	Pressure-induced iso-structural phase transition and metallization in WSe_2 . <i>Scientific Reports</i> , 2017, 7, 46694.	1.6	50
45	Inner-shell chemistry under high pressure. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 05FA10.	0.8	11
46	Pressure-induced elastic anomaly in a polyamorphous metallic glass. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	9
47	Effect of defects on reaction of NiO surface with Pb-contained solution. <i>Scientific Reports</i> , 2017, 7, 44805.	1.6	9
48	Pressure-induced phase transitions and insulator-metal transitions in VO_2 nanoparticles. <i>Journal of Alloys and Compounds</i> , 2017, 709, 260-266.	2.8	12
49	Topological Dirac line nodes and superconductivity coexist in SnSe at high pressure. <i>Physical Review B</i> , 2017, 96, .	1.1	35
50	Pressure-induced anomalous enhancement of insulating state and isosymmetric structural transition in quasi-one-dimensional TiS_3 . <i>Physical Review B</i> , 2017, 96, .	1.1	12
51	Zinc Adsorption and Hydration Structures at Ytria-Stabilized Zirconia Surfaces. <i>Journal of Physical Chemistry C</i> , 2017, 121, 21305-21310.	1.5	1
52	Giant Pressure-induced Enhancement of Seebeck Coefficient and Thermoelectric Efficiency in SnTe . <i>ChemPhysChem</i> , 2017, 18, 3315-3319.	1.0	8
53	Shear-driven instability in zirconium at high pressure and temperature and its relationship to phase-boundary behaviors. <i>Physical Review B</i> , 2017, 95, .	1.1	7
54	Stability limits and transformation pathways of Si -quartz under high pressure. <i>Physical Review B</i> , 2017, 95, .	1.1	15

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55	X-ray Diffraction, Lattice Structure, and Equation of State of PdH _x and Pd _x to Megabar Pressures. Journal of Physical Chemistry C, 2017, 121, 27327-27331.	1.5	16
56	Strain engineered pyrochlore at high pressure. Scientific Reports, 2017, 7, 2236.	1.6	19
57	Anomalous elastic properties across the \hat{I}^3 to \hat{I}^\pm volume collapse in cerium. Nature Communications, 2017, 8, 1198.	5.8	20
58	Forcing Cesium into Higher Oxidation States Using Useful hard x-ray Induced Chemistry under High Pressure. Journal of Physics: Conference Series, 2017, 950, 042055.	0.3	0
59	Kinetics of the B1-B2 phase transition in KCl under rapid compression. Journal of Applied Physics, 2016, 119, 045902.	1.1	14
60	Orientation-Dependent Hydration Structures at Yttria-Stabilized Cubic Zirconia Surfaces. Journal of Physical Chemistry C, 2016, 120, 29089-29097.	1.5	5
61	Robust high pressure stability and negative thermal expansion in sodium-rich antiperovskites Na ₃ OBr and Na ₄ OI ₂ . Journal of Applied Physics, 2016, 119, .	1.1	13
62	High pressure structural study of samarium doped CeO ₂ oxygen vacancy conductor " Insight into the dopant concentration relationship to the strain effect in thin film ionic conductors. Solid State Ionics, 2016, 292, 59-65.	1.3	4
63	High pressure and temperature equation of state and spectroscopic study of CeO ₂ . Journal of Physics Condensed Matter, 2016, 28, 155401.	0.7	7
64	Pressure-induced phase transitions of \hat{I}^2 -type pyrochlore CsTaWO ₆ . RSC Advances, 2016, 6, 94287-94293.	1.7	11
65	Phonon density of states of single-crystal SrF_2 across the collapsed phase transition at high pressure. Physical Review B, 2016, 94, .	1.1	7
66	Pressure-induced reemergence of superconductivity in topological insulator Sr _{0.065} Bi ₂ Se ₃ . Physical Review B, 2016, 93, .	1.1	44
67	Structural characteristic correlated to the electronic band gap in MoS_2 . Physical Review B, 2016, 94, .	1.1	14
68	The Hydration Structure at Yttria-Stabilized Cubic Zirconia (110)-Water Interface with Sub-Ångström Resolution. Scientific Reports, 2016, 6, 27916.	1.6	8
69	Phase transition induced strain in ZnO under high pressure. Scientific Reports, 2016, 6, 24958.	1.6	13
70	High-pressure Seebeck coefficients and thermoelectric behaviors of Bi and PbTe measured using a Paris-Edinburgh cell. Journal of Synchrotron Radiation, 2016, 23, 1368-1378.	1.0	7
71	General 2.5 power law of metallic glasses. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1714-1718.	3.3	50
72	Characterization of ion-induced radiation effects in nuclear materials using synchrotron x-ray techniques. Journal of Materials Research, 2015, 30, 1366-1379.	1.2	36

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73	Pressure-induced cation-cation bonding in VO_2 . <i>Physical Review B</i> , 2015, 92, .	1.1	17
74	X-ray imaging for studying behavior of liquids at high pressures and high temperatures using Paris-Edinburgh press. <i>Review of Scientific Instruments</i> , 2015, 86, 072207.	0.6	13
75	Quasicrystals at extreme conditions: The role of pressure in stabilizing icosahedral $\text{Al}_{63}\text{Cu}_{24}\text{Fe}_{13}$ at high temperature. <i>American Mineralogist</i> , 2015, 100, 2412-2418.	0.9	17
76	Nanoarchitected materials composed of fullerene-like spheroids and disordered graphene layers with tunable mechanical properties. <i>Nature Communications</i> , 2015, 6, 6212.	5.8	57
77	Multiscale twin hierarchy in NiMnGa shape memory alloys with Fe and Cu. <i>Acta Materialia</i> , 2015, 87, 344-349.	3.8	11
78	Redox response of actinide materials to highly ionizing radiation. <i>Nature Communications</i> , 2015, 6, 6133.	5.8	72
79	High-pressure viscosity of liquid Fe and FeS revisited by falling sphere viscometry using ultrafast X-ray imaging. <i>Physics of the Earth and Planetary Interiors</i> , 2015, 241, 57-64.	0.7	38
80	<i>In situ</i> defect annealing of swift heavy ion irradiated CeO_2 and ThO_2 using synchrotron X-ray diffraction and a hydrothermal diamond anvil cell. <i>Journal of Applied Crystallography</i> , 2015, 48, 711-717.	1.9	25
81	High pressure Laue diffraction and its application to study microstructural changes during the $\hat{\mu} \pm \hat{\alpha} \uparrow \hat{\mu}^2$ phase transition in Si. <i>Review of Scientific Instruments</i> , 2015, 86, 072204.	0.6	12
82	Pressure-induced phase transitions and metallization in VO_2 . <i>Physical Review B</i> , 2015, 91, .	1.4	82
83	New developments in micro-X-ray diffraction and X-ray absorption spectroscopy for high-pressure research at 16-BM-D at the Advanced Photon Source. <i>Review of Scientific Instruments</i> , 2015, 86, 072205.	0.6	45
84	In situ x-ray diffraction, electrical resistivity and thermal measurements using a Paris-Edinburgh cell at HPCAT 16BM-B beamline. <i>Journal of Physics: Conference Series</i> , 2014, 500, 142003.	0.3	1
85	Ultralow viscosity of carbonate melts at high pressures. <i>Nature Communications</i> , 2014, 5, 5091.	5.8	124
86	Termination and hydration of forsteritic olivine (0 1 0) surface. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 145, 268-280.	1.6	16
87	Pressure induced second-order structural transition in $\text{Sr}_3\text{Ir}_2\text{O}_7$. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 215402.	0.7	13
88	Toward comprehensive studies of liquids at high pressures and high temperatures: Combined structure, elastic wave velocity, and viscosity measurements in the Paris-Edinburgh cell. <i>Physics of the Earth and Planetary Interiors</i> , 2014, 228, 269-280.	0.7	96
89	Contrasting sound velocity and intermediate-range structural order between polymerized and depolymerized silicate glasses under pressure. <i>Earth and Planetary Science Letters</i> , 2014, 391, 288-295.	1.8	34
90	Pressurizing the HgCr_2Se_4 spinel at room temperature. <i>Applied Physics Letters</i> , 2014, 104, 011911.	1.5	10

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91	Atomistic insight into viscosity and density of silicate melts under pressure. Nature Communications, 2014, 5, 3241.	5.8	133
92	Crystal structures, elastic properties, and hardness of high-pressure synthesized CrB ₂ and CrB ₄ . Journal of Superhard Materials, 2014, 36, 279-287.	0.5	49
93	Defect accumulation in ThO ₂ irradiated with swift heavy ions. Nuclear Instruments & Methods in Physics Research B, 2014, 326, 169-173.	0.6	41
94	Sound velocity of Fe-S liquids at high pressure: Implications for the Moon's molten outer core. Earth and Planetary Science Letters, 2014, 396, 78-87.	1.8	80
95	Irreversible xenon insertion into a small-pore zeolite at moderate pressures and temperatures. Nature Chemistry, 2014, 6, 835-839.	6.6	42
96	Contrasting behavior of intermediate-range order structures in jadeite glass and melt. Physics of the Earth and Planetary Interiors, 2014, 228, 281-286.	0.7	15
97	Universal Fractional Noncubic Power Law for Density of Metallic Glasses. Physical Review Letters, 2014, 112, 185502.	2.9	64
98	Equation of state measurements by radiography provide evidence for a liquid-liquid phase transition in cerium. Journal of Physics: Conference Series, 2014, 500, 032011.	0.3	5
99	The Role of Atmosphere on Phase Transformations and Magnetic Properties of Ulvospinel. IEEE Transactions on Magnetics, 2013, 49, 4273-4276.	1.2	9
100	Structure and density of molten fayalite at high pressure. Geochimica Et Cosmochimica Acta, 2013, 118, 118-128.	1.6	51
101	Strength and Debye temperature measurements of cerium across the $\hat{1}^3 \hat{a} \uparrow' \hat{1} \pm$ volume collapse: the lattice contribution. Journal of Physics Condensed Matter, 2013, 25, 345401.	0.7	14
102	Anomaly in the viscosity of liquid KCl at high pressures. Physical Review B, 2013, 87, .	1.1	25
103	Optimizing a flow-through X-ray transmission cell for studies of temporal and spatial variations of ion distributions at mineral-water interfaces. Journal of Synchrotron Radiation, 2013, 20, 125-136.	1.0	17
104	Resonant X-ray scattering studies of epitaxial complex oxide thin films. Journal of Applied Crystallography, 2013, 46, 76-87.	1.9	7
105	Measurement of the Energy Dependence of X-ray-Induced Decomposition of Potassium Chlorate.. Journal of Physical Chemistry A, 2013, 117, 2302-2306.	1.1	21
106	Multiple pressure-induced transitions in HgCr ₂ S ₄ . Applied Physics Letters, 2013, 103, 201908.	1.5	13
107	The influence of pressure on the phase stability of nanocomposite Fe ₈₉ Zr ₇ B ₄ during heating from energy dispersive x-ray diffraction. Journal of Applied Physics, 2013, 113, 17A317.	1.1	7
108	Sb ₂ Se ₃ under pressure. Scientific Reports, 2013, 3, 2665.	1.6	97

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109	Structure of jadeite melt at high pressures up to 4.9â€‰GPa. <i>Journal of Applied Physics</i> , 2012, 111, 112623.	1.1	39
110	Note: Experiments in hard x-ray chemistry: <i>in situ</i> production of molecular hydrogen and x-ray induced combustion. <i>Review of Scientific Instruments</i> , 2012, 83, 036102.	0.6	17
111	Charge transfer in spinel Co_3O_4 at high pressures. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 435401.	0.7	36
112	Calcium with the \hat{A} -tin structure at high pressure and low temperature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 16459-16462.	3.3	23
113	Simultaneous structure and elastic wave velocity measurement of SiO_2 glass at high pressures and high temperatures in a Paris-Edinburgh cell. <i>Review of Scientific Instruments</i> , 2012, 83, 033905.	0.6	56
114	In-situ synchrotron x-ray study of phase transitions in melamine under high pressures and high temperatures. <i>Diamond and Related Materials</i> , 2011, 20, 1090-1092.	1.8	5
115	A high pressure, high temperature study of 1,1-diamino-2,2-dinitro ethylene. <i>High Pressure Research</i> , 2011, 31, 80-85.	0.4	13
116	Heavy Metal Sorption at the Muscovite (001)â€™Fulvic Acid Interface. <i>Environmental Science & Technology</i> , 2011, 45, 9574-9581.	4.6	35
117	Effect of helium on structure and compression behavior of SiO_2 glass. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6004-6007.	3.3	67
118	High-pressure x-ray diffraction studies on the structure of liquid silicate using a Parisâ€™Edinburgh type large volume press. <i>Review of Scientific Instruments</i> , 2011, 82, 015103.	0.6	58
119	Note: A novel method for <i>in situ</i> loading of gases via x-ray induced chemistry. <i>Review of Scientific Instruments</i> , 2011, 82, 106102.	0.6	21
120	Rb^+ and Sr^{2+} Adsorption at the TiO_2 (110)â€™Electrolyte Interface Observed with Resonant Anomalous X-ray Reflectivity. <i>Langmuir</i> , 2010, 26, 950-958.	1.6	19
121	Hydrated Cation Speciation at the Muscovite (001)â€™Water Interface. <i>Langmuir</i> , 2010, 26, 16647-16651.	1.6	126
122	Competitive adsorption of strontium and fulvic acid at the muscoviteâ€™solution interface observed with resonant anomalous X-ray reflectivity. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 1762-1776.	1.6	47
123	Structure and oxidation state of hematite surfaces reacted with aqueous Fe(II) at acidic and neutral pH. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 1498-1512.	1.6	76
124	Probing interfacial reactions with X-ray reflectivity and X-ray reflection interface microscopy: Influence of NaCl on the dissolution of orthoclase at pH 2 and 85â€™C. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 3396-3411.	1.6	14
125	Interaction of muscovite (001) with Pu^{3+} bearing solutions at pH 3 through ex-situ observations. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 6984-6995.	1.6	15
126	Enhanced Uptake and Modified Distribution of Mercury(II) by Fulvic Acid on the Muscovite (001) Surface. <i>Environmental Science & Technology</i> , 2009, 43, 5295-5300.	4.6	43

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127	Water ordering and surface relaxations at the hematite (110)â€“water interface. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 2242-2251.	1.6	58
128	Image contrast in X-ray reflection interface microscopy: comparison of data with model calculations and simulations. <i>Journal of Synchrotron Radiation</i> , 2008, 15, 558-571.	1.0	23
129	Fulvic Acid Sorption on Muscovite Mica as a Function of pH and Time Using In Situ X-ray Reflectivity. <i>Langmuir</i> , 2008, 24, 7817-7829.	1.6	19
130	Thermodynamics, Interfacial Structure, and pH Hysteresis of Rb ⁺ and Sr ²⁺ Adsorption at the Muscovite (001)â€“Solution Interface. <i>Langmuir</i> , 2008, 24, 13993-14004.	1.6	58
131	Adsorption of Rb ⁺ and Sr ²⁺ at the orthoclase (001)â€“solution interface. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 1848-1863.	1.6	20
132	Simultaneous inner- and outer-sphere arsenate adsorption on corundum and hematite. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 1986-2004.	1.6	220
133	Structure and reactivity of the dolomite (104)â€“water interface: New insights into the dolomite problem. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 566-579.	1.6	51
134	Bridging arsenate surface complexes on the hematite (012) surface. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 1883-1897.	1.6	103
135	Interfacial water structure on the (012) surface of hematite: Ordering and reactivity in comparison with corundum. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 5313-5324.	1.6	79
136	Resonant anomalous X-ray reflectivity as a probe of ion adsorption at solidâ€“liquid interfaces. <i>Thin Solid Films</i> , 2007, 515, 5654-5659.	0.8	30
137	Phasing of resonant anomalous X-ray reflectivity spectra and direct Fourier synthesis of element-specific partial structures at buried interfaces. <i>Journal of Applied Crystallography</i> , 2007, 40, 290-301.	1.9	73
138	Termination and Water Adsorption at the Î±-Al ₂ O ₃ (012)â€“Aqueous Solution Interface. <i>Langmuir</i> , 2006, 22, 4668-4673.	1.6	99
139	On the use of CCD area detectors for high-resolution specular X-ray reflectivity. <i>Journal of Synchrotron Radiation</i> , 2006, 13, 293-303.	1.0	47
140	Observation of subnanometre-high surface topography with X-ray reflection phase-contrast microscopy. <i>Nature Physics</i> , 2006, 2, 700-704.	6.5	60
141	Hydration and Distribution of Ions at the Mica-Water Interface. <i>Physical Review Letters</i> , 2006, 97, 016101.	2.9	142
142	Probing Outer-Sphere Adsorption of Aqueous Metal Complexes at the Oxide-Water Interface with Resonant Anomalous X-Ray Reflectivity. <i>Physical Review Letters</i> , 2005, 94, 076104.	2.9	74
143	Structure of the fluorapatite (100)-water interface by high-resolution X-ray reflectivity. <i>American Mineralogist</i> , 2004, 89, 1647-1654.	0.9	45
144	Termination interference along crystal truncation rods of layered crystals. <i>Journal of Applied Crystallography</i> , 2004, 37, 977-987.	1.9	19

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145	Orthoclase dissolution kinetics probed by in situ X-ray reflectivity: effects of temperature, pH, and crystal orientation. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 197-211.	1.6	52
146	Structure of the orthoclase (001)- and (010)-water interfaces by high-resolution X-ray reflectivity. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 4267-4275.	1.6	79
147	High-density transition layer in oxynitride interfaces on Si(100). <i>Applied Physics Letters</i> , 1999, 75, 3775-3777.	1.5	4
148	Reverse Monte Carlo Simulation for Determining the Partial Structural Functions of GeO_2 Glass from the Anomalous X-ray Scattering and Neutron Diffraction Data. <i>Materials Transactions, JIM</i> , 1999, 40, 552-555.	0.9	16
149	Structural Study of Pd-Based Amorphous Alloys with Wide Supercooled Liquid Region by Anomalous X-ray Scattering. <i>Materials Transactions, JIM</i> , 1999, 40, 491-497.	0.9	72
150	Anomalous X-ray Scattering (AXS) Study on the Local Ordering Structure around Ni and Cu in Amorphous $\text{Pd}_{40}\text{Ni}_{10}\text{Cu}_{30}\text{P}_{20}$ Alloy. <i>Japanese Journal of Applied Physics</i> , 1999, 38, 448.	0.8	6
151	Partial structural functions of binary liquids estimated from anomalous X-ray scattering measurements. <i>Journal of Synchrotron Radiation</i> , 1998, 5, 923-925.	1.0	3
152	Structural Study of Amorphous $\text{Fe}_{89}\text{Nd}_{7}\text{B}_4$ and $\text{Fe}_{89}\text{Zr}_{7}\text{B}_4$ Alloys by X-ray Diffraction. <i>High Temperature Materials and Processes</i> , 1997, 16, 57-64.	0.6	3
153	Partial Structural Functions of Liquid $\text{Bi}_{30}\text{Ga}_{70}$ Alloy Estimated from the Anomalous X-Ray Scattering Measurement in Asymmetrical Reflection Geometry with Synchrotron Radiation. <i>Journal of the Physical Society of Japan</i> , 1997, 66, 3120-3126.	0.7	21
154	Partial Structural Functions of Molten CuBr Estimated from the Anomalous X-Ray Scattering Measurements. <i>Journal of the Physical Society of Japan</i> , 1997, 66, 633-640.	0.7	49