

# Xiang Wu

## List of Publications by Year in descending order

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122  
papers

2,396  
citations

236925

25  
h-index

254184

43  
g-index

127  
all docs

127  
docs citations

127  
times ranked

3775  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal equation of state of F-bearing superhydrous phase B (Mg <sub>10</sub> Si <sub>3</sub> O <sub>14</sub> (OH,F) <sub>4</sub> ): Implications for the transportation of fluorine and water into the lower mantle. <i>Physics of the Earth and Planetary Interiors</i> , 2022, 323, 106824.	1.9	1
2	Phase transition of Mg <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> polymorphs at high-temperature: In-situ synchrotron X-ray diffraction and Raman spectroscopic study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 269, 120762.	3.9	4
3	Partial dehydration of brucite and its implications for water distribution in the subducting oceanic slab. <i>Geoscience Frontiers</i> , 2022, 13, 101342.	8.4	3
4	Fate of Carbonates in the Earth's Mantle (10-136 GPa). <i>Frontiers in Earth Science</i> , 2022, 10, .	1.8	5
5	Raman spectroscopic and X-ray diffraction study of $\hat{1}\pm$ - and $\hat{1}^2$ -Mg <sub>2</sub> P <sub>2</sub> O <sub>7</sub> at various temperatures. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 273, 121076.	3.9	3
6	Pressure- and temperature-dependent Raman spectra of Ca <sub>2</sub> Fe <sub>2</sub> O <sub>5</sub> oxygen defect perovskite. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 279, 121436.	3.9	3
7	Thermal equation of state of phase egg (AlSi <sub>3</sub> O <sub>3</sub> OH): implications for hydrous phases in the deep earth. <i>Contributions To Mineralogy and Petrology</i> , 2021, 176, 1.	3.1	2
8	Dual-stimuli-responsive Photoluminescence of Enantiomeric Two-dimensional Lead Halide Perovskites. <i>Advanced Optical Materials</i> , 2021, 9, 2100003.	7.3	38
9	High-pressure Phase Stability and Thermoelastic Properties of Iron Carbonitrides and Nitrogen in the Deep Earth. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB021934.	3.4	3
10	Raman spectra and X-ray diffraction of merrillite at various temperatures. <i>Vibrational Spectroscopy</i> , 2020, 106, 103005.	2.2	10
11	Petrofabrics and Seismic Properties of Himalayan Amphibolites: Implications for a Thick Anisotropic Deep Crust Beneath Southern Tibet. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018700.	3.4	11
12	Pressure-Induced Phase Transition in Mn(Ta,Nb) <sub>2</sub> O <sub>6</sub> : An Experimental Investigation and First-Principle Study. <i>Inorganic Chemistry</i> , 2020, 59, 18122-18130.	4.0	6
13	X-ray diffraction and Raman spectra of merrillite at high pressures. <i>High Pressure Research</i> , 2020, 40, 411-422.	1.2	2
14	Thermal Behavior of Pyromorphite (Pb <sub>10</sub> (PO <sub>4</sub> ) <sub>6</sub> Cl <sub>2</sub> ): In Situ High Temperature Powder X-ray Diffraction Study. <i>Crystals</i> , 2020, 10, 1070.	2.2	5
15	Distance makes a difference in crystalline photoluminescence. <i>Nature Communications</i> , 2020, 11, 5572.	12.8	37
16	Structural Modifications of Single-Crystal Aragonite CaCO <sub>3</sub> Beginning at ~15 GPa: In Situ Vibrational Spectroscopy and X-Ray Diffraction Evidence. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 924.	2.0	7
17	Raman spectra of sillimanite, andalusite, and kyanite at various temperatures. <i>Physics and Chemistry of Minerals</i> , 2020, 47, 1.	0.8	13
18	Phase transition of sanidine (KAlSi <sub>3</sub> O <sub>8</sub> ) and its effect on electrical conductivity at pressures up to 11 GPa. <i>Physics and Chemistry of Minerals</i> , 2020, 47, 1.	0.8	3

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19	Thermal stability and compressibility of bastnaesite. <i>Physics and Chemistry of Minerals</i> , 2020, 47, 1.	0.8	4
20	CO <sub>2</sub> Induced a Small Water Solubility in Orthopyroxene and Its Implications for Water Storage in the Upper Mantle. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018745.	3.4	0
21	Magnetism-Vanishing Stabilizes the Pyrite-Type 3d Transition Metal Peroxides at High Pressures. <i>Journal of Physical Chemistry C</i> , 2020, 124, 10085-10093.	3.1	1
22	Structural characteristics and elasticities of coesite and coesite-II at high pressure. <i>New Journal of Physics</i> , 2020, 22, 093044.	2.9	1
23	Compressibility of natural schreibersite up to 50 GPa. <i>Physics and Chemistry of Minerals</i> , 2019, 46, 91-99.	0.8	5
24	Elasticity and Anisotropy of the Pyrite-Type FeO <sub>2</sub> H-FeO <sub>2</sub> System in Earth's Lowermost Mantle. <i>Journal of Earth Science (Wuhan, China)</i> , 2019, 30, 1293-1301.	3.2	7
25	High-temperature Raman and FTIR study of aragonite-group carbonates. <i>Physics and Chemistry of Minerals</i> , 2019, 46, 51-62.	0.8	24
26	Tuning Pressure-Induced Phase Transitions, Amorphization, and Excitonic Emissions of 2D Hybrid Perovskites via Varying Organic Amine Cations. <i>Journal of Physical Chemistry C</i> , 2019, 123, 22491-22498.	3.1	19
27	Pressure-induced phase transition of La <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> and La <sub>0.5</sub> Gd <sub>1.5</sub> Zr <sub>2</sub> O <sub>7</sub> pyrochlore. <i>RSC Advances</i> , 2019, 9, 18954-18962.	3.6	10
28	Temperature-induced phase transition of Ca <sub>2</sub> AlSiO <sub>5</sub> .5: Raman spectroscopic study. <i>Vibrational Spectroscopy</i> , 2019, 103, 102935.	2.2	5
29	Structural, Optical, and Thermal Properties of Cs <sub>2</sub> Sn <sub>6</sub> Br <sub>x</sub> Mixed Perovskite Solid Solutions. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2524-2529.	2.0	21
30	Pressure-induced dehydration of diopside: A single-crystal X-ray diffraction and Raman spectroscopy study. <i>Comptes Rendus - Geoscience</i> , 2019, 351, 121-128.	1.2	0
31	Compressional behavior of natural eclogitic zoisite by synchrotron X-ray single-crystal diffraction to 34 GPa. <i>Physics and Chemistry of Minerals</i> , 2019, 46, 333-341.	0.8	3
32	Phase transition of intermetallic TbPt at high temperature and high pressure. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 144001.	1.8	0
33	Stability and anisotropy of (Fe <sub>x</sub> Ni <sub>1-x</sub> ) <sub>2</sub> O under high pressure and implications in Earth's and super-Earth's core. <i>Scientific Reports</i> , 2018, 8, 236.	3.3	8
34	Jahn-Teller Effect on Framework Flexibility of Hybrid Organic-Inorganic Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 751-755.	4.6	47
35	High pressure experimental studies on Na <sub>3</sub> Fe(PO <sub>4</sub> )(CO <sub>3</sub> ) and Na <sub>3</sub> Mn(PO <sub>4</sub> )(CO <sub>3</sub> ): Extensive pressure behaviors of carbonophosphates family. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 115, 248-253.	4.0	5
36	Ultrahigh-Pressure Phase Transitions in FeS <sub>2</sub> and FeO <sub>2</sub> : Implications for Super-Earth's Deep Interior. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 277-284.	3.4	10

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37	Compressibility of Cs <sub>2</sub> SnBr <sub>6</sub> by X-ray diffraction and Raman spectroscopy. Solid State Communications, 2018, 275, 68-72.	1.9	24
38	Pressure-induced phase transformation of CsPbI <sub>3</sub> by X-ray diffraction and Raman spectroscopy. Phase Transitions, 2018, 91, 38-47.	1.3	61
39	Structural, magnetic and electronic properties of CrO <sub>2</sub> at multimegabar pressures. RSC Advances, 2018, 8, 24561-24570.	3.6	10
40	High-pressure phase transitions of natural chromitite from Tibetan ophiolites. Lithos, 2018, 320-321, 20-27.	1.4	2
41	Pressure-induced reversible phase transition on Mo <sub>2</sub> Ga <sub>2</sub> C. Journal of Applied Physics, 2018, 124, .	2.5	7
42	Zero Linear Compressibility in Nondense Borates with a $\alpha$ -Lu <sub>2</sub> Ban Stool $\alpha$ -Like Structure. Advanced Materials, 2018, 30, e1801313.	21.0	22
43	Highly Active Surface Structure in Nanosized Spinel Cobalt-Based Oxides for Electrocatalytic Water Splitting. Journal of Physical Chemistry C, 2018, 122, 14447-14458.	3.1	24
44	High pressure structural investigation on alluaudites Na <sub>2</sub> Fe <sub>3</sub> (PO <sub>4</sub> ) <sub>3</sub> -Na <sub>2</sub> FeMn <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> system. Journal of Solid State Chemistry, 2017, 247, 156-160.	2.9	4
45	Equation of state and hyperfine parameters of high-spin bridgmanite in the Earth's lower mantle by synchrotron X-ray diffraction and Mössbauer spectroscopy. American Mineralogist, 2017, 102, 357-368.	1.9	26
46	High mechanical strength in Zn <sub>4</sub> B <sub>6</sub> O <sub>13</sub> with an unique sodalite-cage structure. RSC Advances, 2017, 7, 2038-2043.	3.6	7
47	Phase relations of the nepheline-kalsilite system: X-ray diffraction and Mössbauer spectroscopy. Journal of Alloys and Compounds, 2017, 712, 613-617.	5.5	6
48	Pressure-induced structural and spin transitions of Fe <sub>3</sub> S <sub>4</sub> . Scientific Reports, 2017, 7, 46334.	3.3	10
49	Seismic anisotropy of the D <sup>+</sup> layer induced by (001) deformation of post-perovskite. Nature Communications, 2017, 8, 14669.	12.8	20
50	Spin transition of ferric iron in the calcium-ferrite type aluminous phase. Journal of Geophysical Research: Solid Earth, 2017, 122, 5935-5944.	3.4	7
51	K $\rightarrow$ crossover transition in the conduction band of monolayer MoS <sub>2</sub> under hydrostatic pressure. Science Advances, 2017, 3, e1700162.	10.3	60
52	Thermal Equation of State of Natural Ti-bearing Clinohumite. Journal of Geophysical Research: Solid Earth, 2017, 122, 8943-8951.	3.4	12
53	Ultradeep diamonds originate from deep subducted sedimentary carbonates. Science China Earth Sciences, 2017, 60, 207-217.	5.2	7
54	Hydrogen-Bond Symmetrization of $\langle i \rangle \hat{I} \langle i \rangle$ -AlOOH. Chinese Physics Letters, 2017, 34, 108301.	3.3	8

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55	Preparation and thermal characterization of sodium acetate trihydrate/expanded graphite composite phase change material. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 125, 831-838.	3.6	31
56	Two-stage spin transition of iron in FeAl-bearing phase D at lower mantle. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 6411-6420.	3.4	12
57	High-pressure behavior of natural single-crystal epidote and clinozoisite up to 40 GPa. <i>Physics and Chemistry of Minerals</i> , 2016, 43, 649-659.	0.8	16
58	Elasticity of single-crystal NAL phase at high pressure: A potential source of the seismic anisotropy in the lower mantle. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 5696-5707.	3.4	7
59	Confirming a pyrolytic lower mantle using self-consistent pressure scales and new constraints on CaSiO <sub>3</sub> perovskite. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 4876-4894.	3.4	24
60	High-pressure, high-temperature synthesis and properties of the monoclinic phase of Y <sub>2</sub> O <sub>3</sub> . <i>Chemical Research in Chinese Universities</i> , 2016, 32, 545-548.	2.6	5
61	High pressure behaviour and elastic properties of a dense inorganic-organic framework. <i>Dalton Transactions</i> , 2016, 45, 4303-4308.	3.3	26
62	Spin transition of ferric iron in the NAL phase: Implications for the seismic heterogeneities of subducted slabs in the lower mantle. <i>Earth and Planetary Science Letters</i> , 2016, 434, 91-100.	4.4	30
63	Phase stabilities and spin transitions of Fe <sub>3</sub> (S <sub>1-x</sub> P <sub>x</sub> ) at high pressure and its implications in meteorites. <i>American Mineralogist</i> , 2016, 101, 205-210.	1.9	16
64	Negative linear compressibility in a crystal of $\text{BiB}_3\text{O}_6$ . <i>Scientific Reports</i> , 2015, 5, 13432.	3.3	28
65	Isotropic Negative Area Compressibility over Large Pressure Range in Potassium Beryllium Fluoroborate and its Potential Applications in Deep Ultraviolet Region. <i>Advanced Materials</i> , 2015, 27, 4851-4857.	21.0	52
66	Pressure-induced phase transition and dissociation of PbMoO <sub>4</sub> . <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 2215-2221.	1.5	3
67	Self-Assembled Alluaudite Na <sub>2</sub> Fe <sub>3</sub> Mn(PO <sub>4</sub> ) <sub>3</sub> Micro/Nanocompounds for Sodium-Ion Battery Electrodes: A New Insight into Their Electronic and Geometric Structure. <i>Chemistry - A European Journal</i> , 2015, 21, 851-860.	3.3	63
68	Phase, microstructure and microwave dielectric properties of A-site deficient (La, Nd) <sub>2/3</sub> TiO <sub>3</sub> perovskite ceramics. <i>Materials Science-Poland</i> , 2015, 33, 126-130.	1.0	4
69	Equation of state of a synthetic ulv-spinel, (Fe <sub>1.94</sub> Ti <sub>0.03</sub> )Ti <sub>1.00</sub> O <sub>4.00</sub> , at ambient temperature. <i>Physics and Chemistry of Minerals</i> , 2015, 42, 171-177.	0.8	9
70	High-pressure phase transitions and compressibilities of aragonite-structure carbonates: SrCO <sub>3</sub> and BaCO <sub>3</sub> . <i>Physics and Chemistry of Minerals</i> , 2015, 42, 517-527.	0.8	33
71	Compressibilities of MnFe <sub>2</sub> O <sub>4</sub> polymorphs. <i>Physics and Chemistry of Minerals</i> , 2015, 42, 569-577.	0.8	11
72	The crystal chemistry and the compressibility of silicate-carbonate minerals: Spurrite, galuskinite and tilleyite. <i>Geoscience Frontiers</i> , 2015, 6, 771-777.	8.4	11

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73	Pressure-dependent Raman spectra of $\hat{I}^2$ -Ca <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> whitlockite. <i>Physics and Chemistry of Minerals</i> , 2015, 42, 303-308.	0.8	15
74	Compressibility of carbonophosphate bradleyite Na <sub>3</sub> Mg(CO <sub>3</sub> )(PO <sub>4</sub> ) by X-ray diffraction and Raman spectroscopy. <i>Physics and Chemistry of Minerals</i> , 2015, 42, 191-201.	0.8	16
75	Structural phase transition and microwave dielectric properties of Ca <sub>1-x</sub> Sr <sub>x</sub> TiO <sub>3</sub> ( $x=0.1$ ) ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 1507-1511.	2.2	10
76	Experimental and theoretical identification of a high-pressure polymorph of Ga <sub>2</sub> S <sub>3</sub> with $\hat{I}^{\pm}$ -Bi <sub>2</sub> Te <sub>3</sub> -type structure. <i>Journal of Applied Physics</i> , 2014, 116, 193507.	2.5	6
77	Quasi-hydrostatic Limit of LiF as a Pressure Transmitting Medium and Its Equation of States. <i>Chinese Physics Letters</i> , 2014, 31, 056201.	3.3	4
78	Experimental and theoretical investigation on the compression mechanism of FeF <sub>3</sub> up to 62.0 GPa. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014, 70, 801-808.	1.1	7
79	Pressure-induced drastic collapse of a high oxygen coordination shell in quartz-like $\hat{I}^{\pm}$ -GeO <sub>2</sub> . <i>New Journal of Physics</i> , 2014, 16, 023022.	2.9	11
80	Experimental and theoretical investigations on high-pressure phase transition of Sr <sub>2</sub> Fe <sub>2</sub> O <sub>5</sub> . <i>Physics and Chemistry of Minerals</i> , 2014, 41, 449-459.	0.8	6
81	Pressure-induced semiconducting to metallic transition in multilayered molybdenum disulphide. <i>Nature Communications</i> , 2014, 5, 3731.	12.8	495
82	Compressibility of a natural smithsonite ZnCO <sub>3</sub> up to 50 GPa. <i>High Pressure Research</i> , 2014, 34, 89-99.	1.2	22
83	Processing and characterization of A-site deficient [(Ca, Sr) <sub>x</sub> (La, Nd) <sub>2/3-2x/3</sub> ]TiO <sub>3</sub> dielectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 5282-5287.	2.2	1
84	X-ray diffraction studies of Sr <sub>3</sub> Cr <sub>2</sub> O <sub>8</sub> and Ba <sub>3</sub> Cr <sub>2</sub> O <sub>8</sub> at high pressures. <i>Solid State Communications</i> , 2014, 200, 5-8.	1.9	2
85	High-pressure behavior of Fe <sub>3</sub> P and the role of phosphorus in planetary cores. <i>Earth and Planetary Science Letters</i> , 2014, 390, 296-303.	4.4	34
86	New high-pressure polymorph of In <sub>2</sub> S <sub>3</sub> with defect Th <sub>3</sub> P <sub>4</sub> -type structure. <i>Journal of Solid State Chemistry</i> , 2014, 210, 155-159.	2.9	17
87	Probing nonequivalent sites in iron phosphide Fe <sub>2</sub> P and its mechanism of phase transition. <i>European Physical Journal B</i> , 2013, 86, 1.	1.5	13
88	Compressibility and phase transition of intermetallic compound Fe <sub>2</sub> Ti. <i>Journal of Alloys and Compounds</i> , 2013, 558, 160-163.	5.5	10
89	High-pressure behavior of structural, optical, and electronic transport properties of the golden Th <sub>2</sub> S <sub>3</sub> -type Ti <sub>2</sub> O <sub>3</sub> . <i>Physical Review B</i> , 2013, 88, .	3.2	24
90	Compressibility of a natural P <sub>4</sub> /nnc vesuvianite. <i>European Journal of Mineralogy</i> , 2013, 25, 631-637.	1.3	2

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91	In situ XAFS Investigation on Zinblend ZnS up to 31.7 GPa. Chinese Physics Letters, 2013, 30, 046101.	3.3	6
92	Suppression of Bragg reflection glitches of a single-crystal diamond anvil cell by a polycapillary half-lens in high-pressure XAFS spectroscopy. Journal of Synchrotron Radiation, 2013, 20, 243-248.	2.4	20
93	Pressure-induced phase transitions of multiferroic BiFeO <sub>3</sub> . Chinese Physics C, 2013, 37, 128001.	3.7	5
94	Pressure-Induced Phase Transition of V <sub>2</sub> O <sub>3</sub> . Chinese Physics Letters, 2012, 29, 106101.	3.3	10
95	High-Pressure and High-Temperature <i>in situ</i> X-Ray Diffraction Study of FeP <sub>2</sub> up to 70 GPa. Chinese Physics Letters, 2012, 29, 026102.	3.3	8
96	Pressure-temperature phase diagram of Ti <sub>2</sub> O <sub>3</sub> and physical properties in the golden Th <sub>2</sub> S <sub>3</sub> -type phase. Physical Review B, 2012, 86, .	3.2	22
97	High pressure structural study of $\hat{I}^2$ -Ti <sub>3</sub> O <sub>5</sub> : X-ray diffraction and Raman spectroscopy. Journal of Solid State Chemistry, 2012, 192, 356-359.	2.9	31
98	A nine-fold coordinated vanadium by oxygen in V <sub>2</sub> O <sub>3</sub> from first-principles calculations. European Physical Journal B, 2012, 85, 1.	1.5	5
99	A re-investigation on pressure-induced phase transition of Mg <sub>2</sub> Si. Solid State Communications, 2012, 152, 2160-2164.	1.9	14
100	High-T <sub>c</sub> ferromagnetism in a Co-doped ZnO system dominated by the formation of a zinc-blende type Co-rich ZnCoO phase. Chemical Communications, 2012, 48, 91-93.	4.1	30
101	Pressure-induced phase transition of Fe <sub>2</sub> TiO <sub>4</sub> : X-ray diffraction and Mössbauer spectroscopy. Journal of Solid State Chemistry, 2012, 185, 72-75.	2.9	9
102	First-principles investigation on high-pressure structural evolution of MnTiO <sub>3</sub> . Solid State Communications, 2012, 152, 984-988.	1.9	6
103	High-pressure behavior of iron carbide (Fe <sub>7</sub> C <sub>3</sub> ) at inner core conditions. Journal of Geophysical Research, 2011, 116, .	3.3	75
104	Elasticity and anisotropy of iron-nickel phosphides at high pressures. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	6
105	Investigation into high-pressure behavior of MnTiO <sub>3</sub> : X-ray diffraction and Raman spectroscopy with diamond anvil cells. Geoscience Frontiers, 2011, 2, 107-114.	8.4	26
106	In situ high-pressure study of FeP: Implications for planetary cores. Physics of the Earth and Planetary Interiors, 2011, 184, 154-159.	1.9	24
107	Structural and elastic properties of CaGeO <sub>3</sub> perovskite at high pressures. Physics of the Earth and Planetary Interiors, 2011, 189, 151-156.	1.9	15
108	Raman spectra and X-ray diffraction of tuite at various temperatures. Physics and Chemistry of Minerals, 2011, 38, 639-646.	0.8	17

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109	In situ high-pressure X-ray diffraction experiments and ab initio calculations of Co <sub>2</sub> P. Chinese Physics B, 2011, 20, 066101.	1.4	2
110	High pressure X-ray diffraction study of SrMnO <sub>3</sub> perovskite. Chinese Physics C, 2011, 35, 514-518.	3.7	3
111	First-principles calculations of the structural stability of Fe <sub>2</sub> P. Journal of Physics: Conference Series, 2010, 215, 012110.	0.4	12
112	High-pressure Raman spectra of tuite, $\text{Ca}_3(\text{PO}_4)_2$ . Journal of Raman Spectroscopy, 2010, 41, 1011-1013.	2.5	26
113	Structural characterization of the FeTiO <sub>3</sub> -MnTiO <sub>3</sub> solid solution. Journal of Solid State Chemistry, 2010, 183, 2483-2489.	2.9	29
114	X-ray diffraction study of -Ca <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> at high pressure. Solid State Communications, 2010, 150, 443-445.	1.9	15
115	Structural stability of a golden semiconducting orthorhombic polymorph of Ti <sub>2</sub> O <sub>3</sub> under high pressures and high temperatures. Journal of Physics Condensed Matter, 2010, 22, 375402.	1.8	37
116	Structural stability of TiO <sub>2</sub> at high pressure in density-functional theory based calculations. Journal of Physics Condensed Matter, 2010, 22, 295501.	1.8	30
117	High-pressure powder x-ray diffraction experiments and <i>ab initio</i> calculation of Ti <sub>3</sub> AlC <sub>2</sub> . Journal of Applied Physics, 2009, 106, .	2.5	15
118	Generalized gradient approximation calculations of the pressure-induced phase transition of YAlO <sub>3</sub> perovskite. Journal of Physics Condensed Matter, 2006, 18, 3907-3916.	1.8	15
119	First-principles study of structural stabilities, and electronic and optical properties of CaF <sub>2</sub> under high pressure. Physical Review B, 2006, 73, .	3.2	48
120	First-principles study of the pressure-induced phase transition in CaTiO <sub>3</sub> . Solid State Communications, 2005, 136, 416-420.	1.9	32
121	Pressure-induced phase transformation in controlled shape ZnO nanorods. Solid State Communications, 2005, 135, 780-784.	1.9	32
122	Micro-Raman study of perovskites in the CaTiO <sub>3</sub> -SrTiO <sub>3</sub> system. Dalton Transactions RSC, 2002, , 3751-3755.	2.3	52