

Xiang Wu

List of Publications by Year in descending order

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papers

2,396
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236925

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127
all docs

127
docs citations

127
times ranked

3775
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Pressure-induced semiconducting to metallic transition in multilayered molybdenum disulphide. Nature Communications, 2014, 5, 3731. | 12.8 | 495 |
| 2 | High-pressure behavior of iron carbide (Fe ₇ C ₃) at inner core conditions. Journal of Geophysical Research, 2011, 116, . | 3.3 | 75 |
| 3 | Self-Assembled Alluaudite Na ₂ Fe ₃ Mn(PO ₄) ₃ Micro/Nanocompounds for Sodium-Ion Battery Electrodes: A New Insight into Their Electronic and Geometric Structure. Chemistry - A European Journal. 2015, 21, 851-860. | 3.3 | 63 |
| 4 | Pressure-induced phase transformation of CsPbI ₃ by X-ray diffraction and Raman spectroscopy. Phase Transitions, 2018, 91, 38-47. | 1.3 | 61 |
| 5 | K ₁ crossover transition in the conduction band of monolayer MoS ₂ under hydrostatic pressure. Science Advances, 2017, 3, e1700162. | 10.3 | 60 |
| 6 | Micro-Raman study of perovskites in the CaTiO ₃ -SrTiO ₃ system. Dalton Transactions RSC, 2002, , 3751-3755. | 2.3 | 52 |
| 7 | Isotropic Negative Area Compressibility over Large Pressure Range in Potassium Beryllium Fluoroborate and its Potential Applications in Deep Ultraviolet Region. Advanced Materials, 2015, 27, 4851-4857. | 21.0 | 52 |
| 8 | First-principles study of structural stabilities, and electronic and optical properties of CaF ₂ under high pressure. Physical Review B, 2006, 73, . | 3.2 | 48 |
| 9 | Jahn-Teller Effect on Framework Flexibility of Hybrid Organic-Inorganic Perovskites. Journal of Physical Chemistry Letters, 2018, 9, 751-755. | 4.6 | 47 |
| 10 | Dual-Stimuli-Responsive Photoluminescence of Enantiomeric Two-Dimensional Lead Halide Perovskites. Advanced Optical Materials, 2021, 9, 2100003. | 7.3 | 38 |
| 11 | Structural stability of a golden semiconducting orthorhombic polymorph of Ti ₂ O ₃ under high pressures and high temperatures. Journal of Physics Condensed Matter, 2010, 22, 375402. | 1.8 | 37 |
| 12 | Distance makes a difference in crystalline photoluminescence. Nature Communications, 2020, 11, 5572. | 12.8 | 37 |
| 13 | High-pressure behavior of Fe ₃ P and the role of phosphorus in planetary cores. Earth and Planetary Science Letters, 2014, 390, 296-303. | 4.4 | 34 |
| 14 | High-pressure phase transitions and compressibilities of aragonite-structure carbonates: SrCO ₃ and BaCO ₃ . Physics and Chemistry of Minerals, 2015, 42, 517-527. | 0.8 | 33 |
| 15 | First-principles study of the pressure-induced phase transition in CaTiO ₃ . Solid State Communications, 2005, 136, 416-420. | 1.9 | 32 |
| 16 | Pressure-induced phase transformation in controlled shape ZnO nanorods. Solid State Communications, 2005, 135, 780-784. | 1.9 | 32 |
| 17 | High pressure structural study of $\hat{\Gamma}^2$ -Ti ₃ O ₅ : X-ray diffraction and Raman spectroscopy. Journal of Solid State Chemistry, 2012, 192, 356-359. | 2.9 | 31 |
| 18 | Preparation and thermal characterization of sodium acetate trihydrate/expanded graphite composite phase change material. Journal of Thermal Analysis and Calorimetry, 2016, 125, 831-838. | 3.6 | 31 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Structural stability of TiO ₂ at high pressure in density-functional theory based calculations. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 295501. | 1.8 | 30 |
| 20 | High-T _c ferromagnetism in a Co-doped ZnO system dominated by the formation of a zinc-blende type Co-rich ZnCoO phase. <i>Chemical Communications</i> , 2012, 48, 91-93. | 4.1 | 30 |
| 21 | 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 |
| 22 | Structural characterization of the FeTiO ₃ –MnTiO ₃ solid solution. <i>Journal of Solid State Chemistry</i> , 2010, 183, 2483-2489. | 2.9 | 29 |
| 23 | Negative linear compressibility in a crystal of BiB_3O_6 . <i>Scientific Reports</i> , 2015, 5, 13432. | 3.3 | 28 |
| 24 | High-pressure Raman spectra of tuite, $\text{Ca}_3(\text{PO}_4)_2$. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 1011-1013. | 2.5 | 26 |
| 25 | Investigation into high-pressure behavior of MnTiO ₃ : X-ray diffraction and Raman spectroscopy with diamond anvil cells. <i>Geoscience Frontiers</i> , 2011, 2, 107-114. | 8.4 | 26 |
| 26 | High pressure behaviour and elastic properties of a dense inorganic–organic framework. <i>Dalton Transactions</i> , 2016, 45, 4303-4308. | 3.3 | 26 |
| 27 | Equation of state and hyperfine parameters of high-spin bridgmanite in the Earth's lower mantle by synchrotron X-ray diffraction and Mössbauer spectroscopy. <i>American Mineralogist</i> , 2017, 102, 357-368. | 1.9 | 26 |
| 28 | In situ high-pressure study of FeP: Implications for planetary cores. <i>Physics of the Earth and Planetary Interiors</i> , 2011, 184, 154-159. | 1.9 | 24 |
| 29 | High-pressure behavior of structural, optical, and electronic transport properties of the golden Th ₂ S ₃ -type Ti ₂ O ₃ . <i>Physical Review B</i> , 2013, 88, . | 3.2 | 24 |
| 30 | Confirming a pyrolitic lower mantle using self-consistent pressure scales and new constraints on CaSi ₃ perovskite. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 4876-4894. | 3.4 | 24 |
| 31 | Compressibility of Cs ₂ SnBr ₆ by X-ray diffraction and Raman spectroscopy. <i>Solid State Communications</i> , 2018, 275, 68-72. | 1.9 | 24 |
| 32 | Highly Active Surface Structure in Nanosized Spinel Cobalt-Based Oxides for Electrocatalytic Water Splitting. <i>Journal of Physical Chemistry C</i> , 2018, 122, 14447-14458. | 3.1 | 24 |
| 33 | High-temperature Raman and FTIR study of aragonite-group carbonates. <i>Physics and Chemistry of Minerals</i> , 2019, 46, 51-62. | 0.8 | 24 |
| 34 | Pressure-temperature phase diagram of Ti ₂ O ₃ and physical properties in the golden Th ₂ S ₃ -type phase. <i>Physical Review B</i> , 2012, 86, . | 3.2 | 22 |
| 35 | Compressibility of a natural smithsonite ZnCO ₃ up to 50 GPa. <i>High Pressure Research</i> , 2014, 34, 89-99. | 1.2 | 22 |
| 36 | Zero Linear Compressibility in Nondense Borates with a Ban Stool-Like Structure. <i>Advanced Materials</i> , 2018, 30, e1801313. | 21.0 | 22 |

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|----|--|------|-----------|
| 37 | Structural, Optical, and Thermal Properties of Cs ₂ Sn ₆ Br _x Mixed Perovskite Solid Solutions. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2524-2529. | 2.0 | 21 |
| 38 | Suppression of Bragg reflection glitches of a single-crystal diamond anvil cell by a polycapillary half-lens in high-pressure XAFS spectroscopy. <i>Journal of Synchrotron Radiation</i> , 2013, 20, 243-248. | 2.4 | 20 |
| 39 | Seismic anisotropy of the ϵ layer induced by (001) deformation of post-perovskite. <i>Nature Communications</i> , 2017, 8, 14669. | 12.8 | 20 |
| 40 | 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 |
| 41 | Raman spectra and X-ray diffraction of tuite at various temperatures. <i>Physics and Chemistry of Minerals</i> , 2011, 38, 639-646. | 0.8 | 17 |
| 42 | New high-pressure polymorph of In ₂ S ₃ with defect Th ₃ P ₄ -type structure. <i>Journal of Solid State Chemistry</i> , 2014, 210, 155-159. | 2.9 | 17 |
| 43 | Compressibility of carbonophosphate bradleyite Na ₃ Mg(CO ₃)(PO ₄) by X-ray diffraction and Raman spectroscopy. <i>Physics and Chemistry of Minerals</i> , 2015, 42, 191-201. | 0.8 | 16 |
| 44 | 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 |
| 45 | Phase stabilities and spin transitions of Fe ₃ (S _{1-x} P _x) at high pressure and its implications in meteorites. <i>American Mineralogist</i> , 2016, 101, 205-210. | 1.9 | 16 |
| 46 | Generalized gradient approximation calculations of the pressure-induced phase transition of YAlO ₃ perovskite. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 3907-3916. | 1.8 | 15 |
| 47 | High-pressure powder x-ray diffraction experiments and <i>ab initio</i> calculation of Ti ₃ AlC ₂ . <i>Journal of Applied Physics</i> , 2009, 106, . | 2.5 | 15 |
| 48 | X-ray diffraction study of -Ca ₃ (PO ₄) ₂ at high pressure. <i>Solid State Communications</i> , 2010, 150, 443-445. | 1.9 | 15 |
| 49 | Structural and elastic properties of CaGeO ₃ perovskite at high pressures. <i>Physics of the Earth and Planetary Interiors</i> , 2011, 189, 151-156. | 1.9 | 15 |
| 50 | Pressure-dependent Raman spectra of $\hat{\Gamma}^2$ -Ca ₃ (PO ₄) ₂ whitlockite. <i>Physics and Chemistry of Minerals</i> , 2015, 42, 303-308. | 0.8 | 15 |
| 51 | A re-investigation on pressure-induced phase transition of Mg ₂ Si. <i>Solid State Communications</i> , 2012, 152, 2160-2164. | 1.9 | 14 |
| 52 | Probing nonequivalent sites in iron phosphide Fe ₂ P and its mechanism of phase transition. <i>European Physical Journal B</i> , 2013, 86, 1. | 1.5 | 13 |
| 53 | Raman spectra of sillimanite, andalusite, and kyanite at various temperatures. <i>Physics and Chemistry of Minerals</i> , 2020, 47, 1. | 0.8 | 13 |
| 54 | First-principles calculations of the structural stability of Fe ₂ P. <i>Journal of Physics: Conference Series</i> , 2010, 215, 012110. | 0.4 | 12 |

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|----|--|-----|-----------|
| 55 | 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 |
| 56 | Thermal Equation of State of Natural Ti-bearing Clinohumite. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 8943-8951. | 3.4 | 12 |
| 57 | Pressure-induced drastic collapse of a high oxygen coordination shell in quartz-like GeO_2 . <i>New Journal of Physics</i> , 2014, 16, 023022. | 2.9 | 11 |
| 58 | Compressibilities of MnFe_2O_4 polymorphs. <i>Physics and Chemistry of Minerals</i> , 2015, 42, 569-577. | 0.8 | 11 |
| 59 | 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 |
| 60 | 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 |
| 61 | Pressure-Induced Phase Transition of V_2O_3 . <i>Chinese Physics Letters</i> , 2012, 29, 106101. | 3.3 | 10 |
| 62 | Compressibility and phase transition of intermetallic compound Fe_2Ti . <i>Journal of Alloys and Compounds</i> , 2013, 558, 160-163. | 5.5 | 10 |
| 63 | Structural phase transition and microwave dielectric properties of $\text{Ca}_{1-x}\text{Sr}_x\text{TiO}_3$ ($x=0.1-0.9$) ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 1507-1511. | 2.2 | 10 |
| 64 | Pressure-induced structural and spin transitions of Fe_3S_4 . <i>Scientific Reports</i> , 2017, 7, 46334. | 3.3 | 10 |
| 65 | Ultrahigh-Pressure Phase Transitions in FeS_2 and FeO_2 : Implications for Super-Earths' Deep Interior. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 277-284. | 3.4 | 10 |
| 66 | Structural, magnetic and electronic properties of CrO_2 at multimegabar pressures. <i>RSC Advances</i> , 2018, 8, 24561-24570. | 3.6 | 10 |
| 67 | Pressure-induced phase transition of $\text{La}_2\text{Zr}_2\text{O}_7$ and $\text{La}_{0.5}\text{Gd}_{1.5}\text{Zr}_2\text{O}_7$ pyrochlore. <i>RSC Advances</i> , 2019, 9, 18954-18962. | 3.6 | 10 |
| 68 | Raman spectra and X-ray diffraction of merrillite at various temperatures. <i>Vibrational Spectroscopy</i> , 2020, 106, 103005. | 2.2 | 10 |
| 69 | Pressure-induced phase transition of Fe_2TiO_4 : X-ray diffraction and Mössbauer spectroscopy. <i>Journal of Solid State Chemistry</i> , 2012, 185, 72-75. | 2.9 | 9 |
| 70 | Equation of state of a synthetic ulv-spinel, $(\text{Fe}_{1.94}\text{Ti}_{0.03})\text{Ti}_{1.00}\text{O}_{4.00}$, at ambient temperature. <i>Physics and Chemistry of Minerals</i> , 2015, 42, 171-177. | 0.8 | 9 |
| 71 | High-Pressure and High-Temperature <i>in situ</i> X-Ray Diffraction Study of FeP_2 up to 70 GPa. <i>Chinese Physics Letters</i> , 2012, 29, 026102. | 3.3 | 8 |
| 72 | Hydrogen-Bond Symmetrization of AlOOH . <i>Chinese Physics Letters</i> , 2017, 34, 108301. | 3.3 | 8 |

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|----|---|-----|-----------|
| 73 | Stability and anisotropy of $(\text{Fe}_x\text{Ni}_{1-x})_2\text{O}$ under high pressure and implications in Earth's and super-Earths' core. <i>Scientific Reports</i> , 2018, 8, 236. | 3.3 | 8 |
| 74 | Experimental and theoretical investigation on the compression mechanism of FeF_3 up to 62.0 GPa. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014, 70, 801-808. | 1.1 | 7 |
| 75 | 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 |
| 76 | High mechanical strength in $\text{Zn}_4\text{B}_6\text{O}_{13}$ with an unique sodalite-cage structure. <i>RSC Advances</i> , 2017, 7, 2038-2043. | 3.6 | 7 |
| 77 | Spin transition of ferric iron in the calcium-ferrite type aluminous phase. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 5935-5944. | 3.4 | 7 |
| 78 | Ultradeep diamonds originate from deep subducted sedimentary carbonates. <i>Science China Earth Sciences</i> , 2017, 60, 207-217. | 5.2 | 7 |
| 79 | Pressure-induced reversible phase transition on $\text{Mo}_2\text{Ga}_2\text{C}$. <i>Journal of Applied Physics</i> , 2018, 124, . | 2.5 | 7 |
| 80 | Elasticity and Anisotropy of the Pyrite-Type $\text{FeO}_2\text{H-FeO}_2$ System in Earth's Lowermost Mantle. <i>Journal of Earth Science (Wuhan, China)</i> , 2019, 30, 1293-1301. | 3.2 | 7 |
| 81 | Structural Modifications of Single-Crystal Aragonite CaCO_3 Beginning at ~ 15 GPa: In Situ Vibrational Spectroscopy and X-Ray Diffraction Evidence. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 924. | 2.0 | 7 |
| 82 | Elasticity and anisotropy of iron-nickel phosphides at high pressures. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a. | 4.0 | 6 |
| 83 | First-principles investigation on high-pressure structural evolution of MnTiO_3 . <i>Solid State Communications</i> , 2012, 152, 984-988. | 1.9 | 6 |
| 84 | In situ XAFS Investigation on Zinblend ZnS up to 31.7 GPa. <i>Chinese Physics Letters</i> , 2013, 30, 046101. | 3.3 | 6 |
| 85 | Experimental and theoretical identification of a high-pressure polymorph of Ga_2S_3 with $\pm\text{Bi}_2\text{Te}_3$ -type structure. <i>Journal of Applied Physics</i> , 2014, 116, 193507. | 2.5 | 6 |
| 86 | Experimental and theoretical investigations on high-pressure phase transition of $\text{Sr}_2\text{Fe}_2\text{O}_5$. <i>Physics and Chemistry of Minerals</i> , 2014, 41, 449-459. | 0.8 | 6 |
| 87 | Phase relations of the nepheline-kalsilite system: X-ray diffraction and Mössbauer spectroscopy. <i>Journal of Alloys and Compounds</i> , 2017, 712, 613-617. | 5.5 | 6 |
| 88 | Pressure-Induced Phase Transition in $\text{Mn}(\text{Ta,Nb})_2\text{O}_6$: An Experimental Investigation and First-Principle Study. <i>Inorganic Chemistry</i> , 2020, 59, 18122-18130. | 4.0 | 6 |
| 89 | A nine-fold coordinated vanadium by oxygen in V_2O_3 from first-principles calculations. <i>European Physical Journal B</i> , 2012, 85, 1. | 1.5 | 5 |
| 90 | Pressure-induced phase transitions of multiferroic BiFeO_3 . <i>Chinese Physics C</i> , 2013, 37, 128001. | 3.7 | 5 |

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|-----|--|-----|-----------|
| 91 | High-pressure, high-temperature synthesis and properties of the monoclinic phase of Y2O3. Chemical Research in Chinese Universities, 2016, 32, 545-548. | 2.6 | 5 |
| 92 | High pressure experimental studies on Na3Fe(PO4)(CO3) and Na3Mn(PO4)(CO3): Extensive pressure behaviors of carbonophosphates family. Journal of Physics and Chemistry of Solids, 2018, 115, 248-253. | 4.0 | 5 |
| 93 | Compressibility of natural schreibersite up to 50 GPa. Physics and Chemistry of Minerals, 2019, 46, 91-99. | 0.8 | 5 |
| 94 | Temperature-induced phase transition of Ca2AlSiO5.5: Raman spectroscopic study. Vibrational Spectroscopy, 2019, 103, 102935. | 2.2 | 5 |
| 95 | Thermal Behavior of Pyromorphite (Pb10(PO4)6Cl2): In Situ High Temperature Powder X-ray Diffraction Study. Crystals, 2020, 10, 1070. | 2.2 | 5 |
| 96 | Fate of Carbonates in the Earth's Mantle (10-136 GPa). Frontiers in Earth Science, 2022, 10, . | 1.8 | 5 |
| 97 | Quasi-hydrostatic Limit of LiF as a Pressure Transmitting Medium and Its Equation of States. Chinese Physics Letters, 2014, 31, 056201. | 3.3 | 4 |
| 98 | Phase, microstructure and microwave dielectric properties of A-site deficient (La, Nd)2/3TiO3 perovskite ceramics. Materials Science-Poland, 2015, 33, 126-130. | 1.0 | 4 |
| 99 | High pressure structural investigation on alluaudites Na2Fe3(PO4)3-Na2FeMn2(PO4)3 system. Journal of Solid State Chemistry, 2017, 247, 156-160. | 2.9 | 4 |
| 100 | Thermal stability and compressibility of bastnaesite. Physics and Chemistry of Minerals, 2020, 47, 1. | 0.8 | 4 |
| 101 | Phase transition of Mg3(PO4)2 polymorphs at high-temperature: In-situ synchrotron X-ray diffraction and Raman spectroscopic study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 269, 120762. | 3.9 | 4 |
| 102 | High pressure X-ray diffraction study of SrMnO3 perovskite. Chinese Physics C, 2011, 35, 514-518. | 3.7 | 3 |
| 103 | Pressure-induced phase transition and dissociation of PbMoO4. Physica Status Solidi (B): Basic Research, 2015, 252, 2215-2221. | 1.5 | 3 |
| 104 | Compressional behavior of natural eclogitic zoisite by synchrotron X-ray single-crystal diffraction to 34 GPa. Physics and Chemistry of Minerals, 2019, 46, 333-341. | 0.8 | 3 |
| 105 | Phase transition of sanidine (KAlSi3O8) and its effect on electrical conductivity at pressures up to 11 GPa. Physics and Chemistry of Minerals, 2020, 47, 1. | 0.8 | 3 |
| 106 | High-Pressure Phase Stability and Thermoelastic Properties of Iron Carbonitrides and Nitrogen in the Deep Earth. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB021934. | 3.4 | 3 |
| 107 | Partial dehydration of brucite and its implications for water distribution in the subducting oceanic slab. Geoscience Frontiers, 2022, 13, 101342. | 8.4 | 3 |
| 108 | Raman spectroscopic and X-ray diffraction study of $\hat{1}\pm$ - and $\hat{1}^2$ -Mg2P2O7 at various temperatures. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 273, 121076. | 3.9 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | Pressure- and temperature-dependent Raman spectra of Ca ₂ Fe ₂ O ₅ oxygen defect perovskite. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 279, 121436. | 3.9 | 3 |
| 110 | In situ high-pressure X-ray diffraction experiments and ab initio calculations of Co ₂ P. <i>Chinese Physics B</i> , 2011, 20, 066101. | 1.4 | 2 |
| 111 | Compressibility of a natural P4/nnc vesuvianite. <i>European Journal of Mineralogy</i> , 2013, 25, 631-637. | 1.3 | 2 |
| 112 | X-ray diffraction studies of Sr ₃ Cr ₂ O ₈ and Ba ₃ Cr ₂ O ₈ at high pressures. <i>Solid State Communications</i> , 2014, 200, 5-8. | 1.9 | 2 |
| 113 | High-pressure phase transitions of natural chromitite from Tibetan ophiolites. <i>Lithos</i> , 2018, 320-321, 20-27. | 1.4 | 2 |
| 114 | X-ray diffraction and Raman spectra of merrillite at high pressures. <i>High Pressure Research</i> , 2020, 40, 411-422. | 1.2 | 2 |
| 115 | Thermal equation of state of phase egg (AlSiO ₃ OH): implications for hydrous phases in the deep earth. <i>Contributions To Mineralogy and Petrology</i> , 2021, 176, 1. | 3.1 | 2 |
| 116 | Processing and characterization of A-site deficient [(Ca, Sr) x (La, Nd) _{2/3}] _{2x/3} TiO ₃ dielectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 5282-5287. | 2.2 | 1 |
| 117 | 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 |
| 118 | Thermal equation of state of F-bearing superhydrous phase B (Mg ₁₀ Si ₃ O ₁₄ (OH,F) ₄): 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 |
| 119 | Structural characteristics and elasticities of coesite and coesite-II at high pressure. <i>New Journal of Physics</i> , 2020, 22, 093044. | 2.9 | 1 |
| 120 | Phase transition of intermetallic TbPt at high temperature and high pressure. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 144001. | 1.8 | 0 |
| 121 | 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 |
| 122 | CO ₂ 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 |