

# Daniel Errandonea

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

297  
papers

9,307  
citations

53  
h-index

76  
g-index

323  
ext. papers

10,484  
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3.8  
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L-index

| #   | Paper   | IF  | Citations |
|-----|---|-----|-----------|
| 297 | Pressure-Induced Phase Transition and Band Gap Decrease in Semiconducting $\text{ECuVO}_4$ . <i>Inorganic Chemistry</i> , <b>2022</b> ,   | 5.1 | 2         |
| 296 | High-Pressure Properties of Wolframite-Type $\text{ScNbO}_4$ . <i>Journal of Physical Chemistry C</i> , <b>2022</b> , 126, 4664-4676  | 4.8 | 2         |
| 295 | An Investigation of the Pressure-Induced Structural Phase Transition of Nanocrystalline $\text{ECuMoO}_4$ . <i>Crystals</i> , <b>2022</b> , 12, 365   | 2.3 | 1         |
| 294 | Characterization of the high-pressure and high-temperature phase diagram and equation of state of chromium.. <i>Scientific Reports</i> , <b>2022</b> , 12, 6727   | 4.9 | 1         |
| 293 | Phase Transitions of $\text{BiVO}_4$ under High Pressure and High Temperature. <i>Journal of Physical Chemistry C</i> , <b>2022</b> , 126, 7755-7763  | 3.8 | 2         |
| 292 | Pressure-induced metallization and robust superconductivity in pristine $1\text{T-HfSe}_2$ . <i>Materials Today Physics</i> , <b>2022</b> , 25, 100698  | 8   | 1         |
| 291 | Pressure-induced phase transitions and electronic properties of $\text{Cd}_2\text{V}_2\text{O}_7$ . <i>RSC Advances</i> , <b>2022</b> , 12, 14823-14837   | 3.1 | 1         |
| 290 | High-Pressure Spectroscopy Study of $\text{Zn}(\text{IO}_3)_2$ Using Far-Infrared Synchrotron Radiation. <i>Crystals</i> , <b>2021</b> , 11, 34   | 2.3 | 2         |
| 289 | Evolution of Structural and Electronic Properties of $\text{TiSe}$ under High Pressure. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 9859-9867  | 6.4 | 5         |
| 288 | Understanding the Pressure Effect on the Elastic, Electronic, Vibrational, and Bonding Properties of the $\text{CeScO}_3$ Perovskite. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 107-119           | 3.8 | 7         |
| 287 | Crystal structure and phase transition of $\text{TlReO}_3$ : a combined experimental and theoretical study. <i>Journal of Physics Condensed Matter</i> , <b>2021</b> , 33, 065403                                   | 1.8 | 2         |
| 286 | PVT Equation of State of Iridium Up to 80 GPa and 3100 K. <i>Crystals</i> , <b>2021</b> , 11, 452   | 2.3 | 15        |
| 285 | High-pressure monoclinic-monoclinic transition in fergusonite-type $\text{HoNbO}_4$ . <i>Journal of Physics Condensed Matter</i> , <b>2021</b> , 33,  | 1.8 | 4         |
| 284 | Ab Initio Phase Diagram of Copper. <i>Crystals</i> , <b>2021</b> , 11, 537  | 2.3 | 8         |
| 283 | Colossal barocaloric effects in the complex hydride $\text{Li}[\text{Formula: see text}]\text{B}[\text{Formula: see text}]\text{H}[\text{Formula: see text}]$ . <i>Scientific Reports</i> , <b>2021</b> , 11, 11915 | 4.9 | 5         |
| 282 | $\text{GdBO}_3$ and $\text{YBO}_3$ crystals under compression. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 866, 158962   | 5.7 | 0         |
| 281 | Melting line of calcium characterized by in situ LH-DAC XRD and first-principles calculations. <i>Scientific Reports</i> , <b>2021</b> , 11, 15025  | 4.9 | 2         |

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| 280 | High-pressure structural, lattice dynamics, and electronic properties of beryllium aluminate studied from first-principles theory. <i>Materials Today Communications</i> , <b>2021</b> , 26, 101801  | 2.5 | 4  |
| 279 | Experimental and theoretical study of dense YBO <sub>3</sub> and the influence of non-hydrostaticity. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 850, 156562   | 5.7 | 5  |
| 278 | Density-functional study of pressure-induced phase transitions and electronic properties of ZnVO.. <i>RSC Advances</i> , <b>2021</b> , 11, 10401-10415   | 3.7 | 3  |
| 277 | The phase diagram of Ti-6Al-4V at high-pressures and high-temperatures. <i>Journal of Physics Condensed Matter</i> , <b>2021</b> ,   | 1.8 | 5  |
| 276 | Structural and vibrational study of Zn(IO <sub>3</sub> ) <sub>2</sub> combining high-pressure experiments and density-functional theory. <i>Physical Review B</i> , <b>2021</b> , 103,   | 3.3 | 5  |
| 275 | Pressure-Driven Symmetry-Preserving Phase Transitions in Co(IO <sub>3</sub> ) <sub>2</sub> . <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 17448-17461   | 3.8 | 0  |
| 274 | Understanding the optical and bonding properties of hybrid metal-halide (C <sub>5</sub> H <sub>16</sub> NP) PbX <sub>4</sub> (X=F, Cl, Br, I) perovskite: A density-functional theory study. <i>Inorganic Chemistry Communication</i> , <b>2021</b> , 130, 108721 <sup>1</sup> | 3.1 | 1  |
| 273 | phase diagram of silver. <i>Journal of Physics Condensed Matter</i> , <b>2021</b> , 33,  | 1.8 | 2  |
| 272 | Pressure-induced band anticrossing in two adamantane ordered-vacancy compounds: CdGa <sub>2</sub> S <sub>4</sub> and HgGa <sub>2</sub> S <sub>4</sub> . <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 886, 161226   | 5.7 | 1  |
| 271 | Electronic properties and high-pressure behavior of wolframite-type CoWO <sub>4</sub> . <i>Materials Advances</i> , <b>2021</b> , 2, 5955-5966   | 3.3 | 5  |
| 270 | Making Yb <sub>2</sub> Hf <sub>2</sub> O <sub>7</sub> Defect Fluorite Uncompressible by Particle Size Reduction. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 27354-27362   | 3.8 | 3  |
| 269 | High-Pressure Structural Behavior and Equation of State of Kagome Staircase Compound, Ni <sub>3</sub> V <sub>2</sub> O <sub>8</sub> . <i>Crystals</i> , <b>2020</b> , 10, 910  | 2.3 | 4  |
| 268 | Comparative study of the high-pressure behavior of ZnV <sub>2</sub> O <sub>6</sub> , Zn <sub>2</sub> V <sub>2</sub> O <sub>7</sub> , and Zn <sub>3</sub> V <sub>2</sub> O <sub>8</sub> . <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 837, 155505                    | 5.7 | 15 |
| 267 | High-pressure characterization of multifunctional CrVO. <i>Journal of Physics Condensed Matter</i> , <b>2020</b> , 32, 385403  | 1.8 | 7  |
| 266 | Pressure-induced instability of the fergusonite phase of EuNbO <sub>4</sub> studied by in situ Raman spectroscopy, x-ray diffraction, and photoluminescence spectroscopy. <i>Journal of Applied Physics</i> , <b>2020</b> , 127, 175905  | 2.5 | 6  |
| 265 | First-principles study of elastic and thermal properties of scheelite-type molybdates and tungstates. <i>Materials Today Communications</i> , <b>2020</b> , 24, 101089   | 2.5 | 5  |
| 264 | Phase Behavior of TmVO under Hydrostatic Compression: An Experimental and Theoretical Study. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 4882-4894  | 5.1 | 5  |
| 263 | Structural, vibrational and electronic properties in the glass-crystal transition of thin films Sb <sub>70</sub> Te <sub>30</sub> doped with Sn. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 845, 156307  | 5.7 | 7  |

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| 262 | Characterization and Decomposition of the Natural van der Waals SnSbTe under Compression. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 9900-9918   | 5.1 | 11 |
| 261 | Investigation on the Luminescence Properties of InMO (M = V, Nb, Ta) Crystals Doped with Tb or Yb Rare Earth Ions. <i>ACS Omega</i> , <b>2020</b> , 5, 2148-2158   | 3.9 | 13 |
| 260 | First-Order Isostructural Phase Transition Induced by High Pressure in Fe(IO <sub>3</sub> ) <sub>3</sub> . <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 8669-8679                                   | 3.8 | 11 |
| 259 | PrVO under High Pressure: Effects on Structural, Optical, and Electrical Properties. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 18325-18337  | 5.1 | 3  |
| 258 | The high-pressure, high-temperature phase diagram of cerium. <i>Journal of Physics Condensed Matter</i> , <b>2020</b> , 32, 335401   | 1.8 | 2  |
| 257 | Experimental and Theoretical Study of SbPO under Compression. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 287-307   | 5.1 | 9  |
| 256 | Simple New Method for the Preparation of La(IO) Nanoparticles. <i>Nanomaterials</i> , <b>2020</b> , 10,  | 5.4 | 1  |
| 255 | High pressure crystal structures of orthovanadates and their properties. <i>Journal of Applied Physics</i> , <b>2020</b> , 128, 040903   | 2.5 | 15 |
| 254 | Experimental and theoretical confirmation of an orthorhombic phase transition in niobium at high pressure and temperature. <i>Communications Materials</i> , <b>2020</b> , 1,                                      | 6   | 32 |
| 253 | High-Pressure Raman Study of Fe(IO <sub>3</sub> ) <sub>3</sub> : Soft-Mode Behavior Driven by Coordination Changes of Iodine Atoms. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 21329-21337        | 3.8 | 10 |
| 252 | Spray pyrolysis synthesis and characterization of Mg <sub>1-x</sub> Sr <sub>x</sub> MoO <sub>4</sub> heterostructure with white light emission. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 813, 152235 | 5.7 | 9  |
| 251 | Precise Characterization of the Rich Structural Landscape Induced by Pressure in Multifunctional FeVO. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 6623-6630  | 5.1 | 7  |
| 250 | High-pressure polymorphs of gadolinium orthovanadate: X-ray diffraction, Raman spectroscopy, and ab initio calculations. <i>Physical Review B</i> , <b>2019</b> , 100,   | 3.3 | 9  |
| 249 | Synthesis, Characterization, and Crystal Structure Determination of a New Lithium Zinc Iodate Polymorph LiZn(IO <sub>3</sub> ) <sub>3</sub> . <i>Crystals</i> , <b>2019</b> , 9, 464                               | 2.3 | 9  |
| 248 | In situ characterization of the high pressure - high temperature melting curve of platinum. <i>Scientific Reports</i> , <b>2019</b> , 9, 13034   | 4.9 | 44 |
| 247 | Exploring the high-pressure behaviour of polymorphs of AMO <sub>4</sub> ternary oxides: crystal structure and physical properties. <i>Journal of Chemical Sciences</i> , <b>2019</b> , 131, 1                      | 1.8 | 4  |
| 246 | Pressure Effects on the Optical Properties of NdVO <sub>4</sub> . <i>Crystals</i> , <b>2019</b> , 9, 237   | 2.3 | 10 |
| 245 | High-Pressure Single-Crystal X-ray Diffraction of Lead Chromate: Structural Determination and Reinterpretation of Electronic and Vibrational Properties. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 5966-5979  | 5.1 | 11 |

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| 244 | Structural and Mössbauer study of $(\text{Sb}_{0.70}\text{Te}_{0.30})_{100-x}\text{Sn}_x$ alloys with $x = 0, 2.5, 5.0$ and $7.5$ . <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 795, 27-33    | 5.7  | 5  |
| 243 | Giant conductivity enhancement: Pressure-induced semiconductor-metal phase transition in $\text{Cd}_{0.90}\text{Zn}_{0.1}\text{Te}$ . <i>Physical Review B</i> , <b>2019</b> , 99,                       | 3.3  | 3  |
| 242 | High-pressure phase transformations in $\text{NdVO}_4$ under hydrostatic, conditions: a structural powder x-ray diffraction study. <i>Journal of Physics Condensed Matter</i> , <b>2019</b> , 31, 235401 | 1.8  | 10 |
| 241 | Pressure-Induced Hexagonal to Monoclinic Phase Transition of Partially Hydrated $\text{CePO}$ . <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 4480-4490   | 5.1  | 5  |
| 240 | High-pressure characterization of the optical and electronic properties of $\text{InVO}_4$ , $\text{InNbO}_4$ , and $\text{InTaO}_4$ . <i>SN Applied Sciences</i> , <b>2019</b> , 1, 1                   | 1.8  | 27 |
| 239 | Putting the Squeeze on Lead Chromate Nanorods. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 4744-4751  | 4.1  | 5  |
| 238 | Tuning the Photoresponse of Nano-Heterojunction: Pressure-Induced Inverse Photoconductance in Functionalized $\text{WO}_3$ Nanocuboids. <i>Advanced Science</i> , <b>2019</b> , 6, 1901132               | 13.6 | 10 |
| 237 | Structural Characterization of Auophilic Gold(I) Iodide under High Pressure. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 10665-10670  | 5.1  | 9  |
| 236 | High pressure theoretical and experimental analysis of the bandgap of $\text{BaMoO}_4$ , $\text{PbMoO}_4$ , and $\text{CdMoO}_4$ . <i>Applied Physics Letters</i> , <b>2019</b> , 115, 012102            | 3.4  | 8  |
| 235 | Phase stability and electronic structure of iridium metal at the megabar range. <i>Scientific Reports</i> , <b>2019</b> , 9, 8940  | 4.9  | 7  |
| 234 | Thermal equation of state of ruthenium characterized by resistively heated diamond anvil cell. <i>Scientific Reports</i> , <b>2019</b> , 9, 14459  | 4.9  | 2  |
| 233 | Melting curve and phase diagram of vanadium under high-pressure and high-temperature conditions. <i>Physical Review B</i> , <b>2019</b> , 100,   | 3.3  | 26 |
| 232 | Monoclinic-tetragonal-monoclinic phase transitions in $\text{EuBiVO}_4$ under pressure. <i>Journal of Physics Condensed Matter</i> , <b>2019</b> , 31, 485401  | 1.8  | 7  |
| 231 | Characterization of Flux-Grown $\text{Sm}_x\text{Nd}_{1-x}\text{VO}_4$ Compounds and High-Pressure Behavior for $x = 0.5$ . <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 30732-30745      | 3.8  | 4  |
| 230 | A High-Pressure Investigation of the Synthetic Analogue of Chalcocite, $\text{Cu}_2\text{Se}$ . <i>Crystals</i> , <b>2019</b> , 9, 643   | 2.3  | 5  |
| 229 | $\text{LiCrO}_2$ Under Pressure: In-Situ Structural and Vibrational Studies. <i>Crystals</i> , <b>2019</b> , 9, 2  | 2.3  | 4  |
| 228 | High-Pressure Phase Diagram and Superionicity of Alkaline Earth Metal Difluorides. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 1267-1279   | 3.8  | 19 |
| 227 | High pressure in-situ X-ray diffraction study on Zn-doped magnetite nanoparticles. <i>Solid State Sciences</i> , <b>2018</b> , 77, 1-4   | 3.4  | 2  |

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| 226 | High-pressure structural and vibrational properties of monazite-type BiPO <sub>4</sub> , LaPO <sub>4</sub> , CePO <sub>4</sub> , and PrPO <sub>4</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2018</b> , 30, 065401 | 1.8  | 15 |
| 225 | Recent progress on the characterization of the high-pressure behaviour of AVO <sub>4</sub> orthovanadates. <i>Progress in Materials Science</i> , <b>2018</b> , 97, 123-169  | 42.2 | 66 |
| 224 | Synthesis and characterization of Ti-doped ZrSiO <sub>4</sub> at ambient and high-pressure conditions. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 8817-8825   | 4.3  | 4  |
| 223 | Effect of High Pressure on the Crystal Structure and Vibrational Properties of Olivine-Type LiNiPO <sub>4</sub> . <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 10265-10276   | 5.1  | 15 |
| 222 | A Brief Review of the Effects of Pressure on Wolframite-Type Oxides. <i>Crystals</i> , <b>2018</b> , 8, 71   | 2.3  | 24 |
| 221 | Pressure-induced structural and semiconductor-semiconductor transitions in Co <sub>0.5</sub> Mg <sub>0.5</sub> Cr <sub>2</sub> O <sub>4</sub> . <i>Physical Review B</i> , <b>2018</b> , 97,                                   | 3.3  | 14 |
| 220 | High-pressure/high-temperature phase diagram of zinc. <i>Journal of Physics Condensed Matter</i> , <b>2018</b> , 30, 295402  | 1.8  | 16 |
| 219 | Stability of FeVO under Pressure: An X-ray Diffraction and First-Principles Study. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 7860-7876  | 5.1  | 17 |
| 218 | High Pressure Raman, Optical Absorption, and Resistivity Study of SrCrO <sub>3</sub> . <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 7550-7557  | 5.1  | 15 |
| 217 | Phase diagram of calcium at high pressure and high temperature. <i>Physical Review Materials</i> , <b>2018</b> , 2,  | 3.2  | 17 |
| 216 | Experimental and theoretical study on the optical properties of LaVO <sub>4</sub> crystals under pressure. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 27314-27328  | 3.6  | 20 |
| 215 | Comment on High-pressure phases of group-II difluorides: Polymorphism and superionicity. <i>Physical Review B</i> , <b>2018</b> , 98,  | 3.3  | 6  |
| 214 | High-Pressure High-Temperature Stability and Thermal Equation of State of Zircon-Type Erbium Vanadate. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 14005-14012  | 5.1  | 10 |
| 213 | Characterization of V-doped SnO <sub>2</sub> nanoparticles at ambient and high pressures. <i>Materials Research Express</i> , <b>2018</b> , 5, 125005  | 1.7  | 4  |
| 212 | Peptide metal-organic frameworks under pressure: flexible linkers for cooperative compression. <i>Dalton Transactions</i> , <b>2018</b> , 47, 10654-10659  | 4.3  | 25 |
| 211 | Experimental and Theoretical Studies on HgSe at High Pressure. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 8241-8252  | 5.1  | 22 |
| 210 | Compressibility and structural behavior of pure and Fe-doped SnO <sub>2</sub> nanocrystals. <i>Solid State Sciences</i> , <b>2017</b> , 64, 91-98  | 3.4  | 11 |
| 209 | High-pressure structural, elastic, and thermodynamic properties of zircon-type HoPO <sub>4</sub> and TmPO <sub>4</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2017</b> , 29, 095401                                 | 1.8  | 31 |

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|-----|---|------|----|
| 208 | On the high-pressure phase stability and elastic properties of Titanium alloys. <i>Journal of Physics Condensed Matter</i> , <b>2017</b> , 29, 155401   | 1.8  | 17 |
| 207 | First-Principles Study of InVO under Pressure: Phase Transitions from CrVO- to AgMnO-Type Structure. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 2697-2711   | 5.1  | 18 |
| 206 | Pressure-induced structural evaluation and insulator-metal transition in the mixed spinel ferrite Zn <sub>0.2</sub> Mg <sub>0.8</sub> Fe <sub>2</sub> O <sub>4</sub> . <i>Physical Review B</i> , <b>2017</b> , 95, | 3.3  | 15 |
| 205 | Ab initio study of the mechanical and electronic properties of scheelite-type XWO <sub>4</sub> (X = Ca, Sr, Ba) compounds. <i>International Journal of Modern Physics B</i> , <b>2017</b> , 31, 1750086             | 1.1  | 15 |
| 204 | High-pressure phase transitions and properties of MTO <sub>4</sub> compounds with the monazite-type structure. <i>Physica Status Solidi (B): Basic Research</i> , <b>2017</b> , 254, 1700016                        | 1.3  | 17 |
| 203 | Structural and vibrational properties of corundum-type InO nanocrystals under compression. <i>Nanotechnology</i> , <b>2017</b> , 28, 205701   | 3.4  | 8  |
| 202 | Pressure-Driven Isostructural Phase Transition in InNbO: In Situ Experimental and Theoretical Investigations. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 5420-5430  | 5.1  | 24 |
| 201 | Structural Evolution of CO <sub>2</sub> -Filled Pure Silica LTA Zeolite under High-Pressure High-Temperature Conditions. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 4502-4510                                | 9.6  | 16 |
| 200 | Stability of the fergusonite phase in GdNbO <sub>4</sub> by high pressure XRD and Raman experiments. <i>Journal of Solid State Chemistry</i> , <b>2017</b> , 251, 14-18   | 3.3  | 10 |
| 199 | New pressure-induced polymorphic transitions of anhydrous magnesium sulfate. <i>Dalton Transactions</i> , <b>2017</b> , 46, 5058-5068   | 4.3  | 20 |
| 198 | ScVO under non-hydrostatic compression: a new metastable polymorph. <i>Journal of Physics Condensed Matter</i> , <b>2017</b> , 29, 055401   | 1.8  | 19 |
| 197 | Mechanocaloric effects in superionic thin films from atomistic simulations. <i>Nature Communications</i> , <b>2017</b> , 8, 963   | 17.4 | 39 |
| 196 | Optical and structural study of the pressure-induced phase transition of CdWO <sub>4</sub> . <i>Physical Review B</i> , <b>2017</b> , 95,   | 3.3  | 17 |
| 195 | Giant barocaloric effects over a wide temperature range in superionic conductor AgI. <i>Nature Communications</i> , <b>2017</b> , 8, 1851   | 17.4 | 53 |
| 194 | Pressure Impact on the Stability and Distortion of the Crystal Structure of CeScO. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 8363-8371   | 5.1  | 12 |
| 193 | High-pressure lattice-dynamics of NdVO <sub>4</sub> . <i>Journal of Physics and Chemistry of Solids</i> , <b>2017</b> , 100, 126-133  | 3.9  | 20 |
| 192 | Recent ab initio phase diagram studies: Iridium. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 950, 042021   | 0.3  | 1  |
| 191 | High-pressure behavior of CaMoO <sub>4</sub> . <i>Physical Review Materials</i> , <b>2017</b> , 1,  | 3.2  | 13 |

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| 190 | Pressure-induced phase transition and band-gap collapse in the wide-band-gap semiconductor InTaO <sub>4</sub> . <i>Physical Review B</i> , <b>2016</b> , 93,   | 3.3  | 27 |
| 189 | Monazite-type SrCrO <sub>4</sub> under compression. <i>Physical Review B</i> , <b>2016</b> , 94,   | 3.3  | 26 |
| 188 | In-situ high-pressure Raman scattering studies in PbWO <sub>4</sub> up to 48 GPa. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 667, 36-43  | 5.7  | 4  |
| 187 | Pressure-induced phase transformation in zircon-type orthovanadate SmVO <sub>4</sub> from experiment and theory. <i>Journal of Physics Condensed Matter</i> , <b>2016</b> , 28, 035402   | 1.8  | 18 |
| 186 | Pressure-induced amorphization of YVO <sub>4</sub> nanoboxes. <i>Nanotechnology</i> , <b>2016</b> , 27, 025701   | 3.4  | 14 |
| 185 | Phase Stability of Lanthanum Orthovanadate at High Pressure. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 13749-13762   | 3.8  | 36 |
| 184 | Corundum type indium oxide nanostructures: ambient pressure synthesis from InOOH, and optical and photocatalytic properties. <i>RSC Advances</i> , <b>2016</b> , 6, 108393-108403  | 3.7  | 8  |
| 183 | Giant Mechanocaloric Effects in Fluorite-Structured Superionic Materials. <i>Nano Letters</i> , <b>2016</b> , 16, 3124-911.5   | 11.5 | 28 |
| 182 | In-situ high-pressure x-ray diffraction study of zinc ferrite nanoparticles. <i>Solid State Sciences</i> , <b>2016</b> , 56, 68-72   | 3.4  | 14 |
| 181 | High-Pressure Crystal Structure, Lattice Vibrations, and Band Structure of BiSbO <sub>4</sub> . <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 4958-69   | 5.1  | 47 |
| 180 | Thallium under extreme compression. <i>Journal of Physics Condensed Matter</i> , <b>2016</b> , 28, 445401  | 1.8  | 25 |
| 179 | Ab initio phase diagram of iridium. <i>Physical Review B</i> , <b>2016</b> , 94,   | 3.3  | 19 |
| 178 | Polymorphism in Strontium Tungstate SrWO <sub>4</sub> under Quasi-Hydrostatic Compression. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 10406-10414  | 5.1  | 22 |
| 177 | Theoretical and Experimental Study of the Crystal Structures, Lattice Vibrations, and Band Structures of Monazite-Type PbCrO <sub>4</sub> , PbSeO <sub>4</sub> , SrCrO <sub>4</sub> , and SrSeO <sub>4</sub> . <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 7524-35                | 5.1  | 78 |
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| 169 | Comment on Molybdenum sound velocity and shear modulus softening under shock compression. <i>Physical Review B</i> , <b>2015</b> , 92,  | 3.3 | 11 |
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| 167 | HgGa <sub>2</sub> Se <sub>4</sub> under high pressure: An optical absorption study. <i>Physica Status Solidi (B): Basic Research</i> , <b>2015</b> , 252, 2043-2051   | 1.3 | 9  |
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| 120 | Crystal Chemistry of CdIn <sub>2</sub> S <sub>4</sub> , MgIn <sub>2</sub> S <sub>4</sub> , and MnIn <sub>2</sub> S <sub>4</sub> Thiospinels under High Pressure. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 14078-14087 | 3.8  | 38 |
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