

Javier Lopez-Solano

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,499
citations

361413

20
h-index

315739

38
g-index

61
all docs

61
docs citations

61
times ranked

1552
citing authors

| # | ARTICLE | IF | CITATIONS |
|---|--|-----|-----------|
| 1 | High-pressure structural study of the scheelite tungstates CaWO_4 and SrWO_4 . Physical Review B, 2005, 72 | 3.2 | 159 |
| 2 | Pressure effects on the electronic and optical properties of AWO | | |



| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Soluble iron dust export in the high altitude Saharan Air Layer. Atmospheric Environment, 2016, 133, 49-59. | 4.1 | 24 |
| 20 | Lattice Dynamics Study of HgGa ₂ Se ₄ at High Pressures. Journal of Physical Chemistry C, 2013, 117, 15773-15781. | 3.1 | 21 |
| 21 | Experimental and theoretical investigation of the stability of the monoclinic $BaWO_4$ phase at high pressure and high temperature. Physical Review B, 2010, 81, . | 3.2 | 19 |
| 22 | Aerosol optical depth in the European Brewer Network. Atmospheric Chemistry and Physics, 2018, 18, 3885-3902. | 4.9 | 19 |
| 23 | Crystal structure of HgGa ₂ Se ₄ under compression. Materials Research Bulletin, 2013, 48, 2128-2133. | 5.2 | 18 |
| 24 | Electronic structure of p-type ultraviolet-transparent conducting CuScO ₂ films. Thin Solid Films, 2008, 516, 1431-1433. | 1.8 | 17 |
| 25 | Equation of state and electronic properties of EuVO ₄ : A high-pressure experimental and computational study. Journal of Alloys and Compounds, 2015, 648, 1005-1016. | 5.5 | 17 |
| 26 | A combined study of the equation of state of monazite-type lanthanum orthovanadate using <i>in situ</i> high-pressure diffraction and <i>ab initio</i> calculations. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 533-538. | 1.1 | 16 |
| 27 | EUBREWNET RBCC-E Huelva 2015 Ozone Brewer Intercomparison. Atmospheric Chemistry and Physics, 2018, 18, 9441-9455. | 4.9 | 15 |
| 28 | Negative pressures in CaWO ₄ nanocrystals. Journal of Applied Physics, 2009, 105, . | 2.5 | 14 |
| 29 | Theoretical study of the YLiF ₄ phase transitions under pressure. Physical Review B, 2006, 73, . | 3.2 | 13 |
| 30 | HgGa ₂ Se ₄ under high pressure: An optical absorption study. Physica Status Solidi (B): Basic Research, 2015, 252, 2043-2051. | 1.5 | 13 |
| 31 | <i>Ab initio</i> study of high-pressure structural properties of the LuVO ₄ and ScVO ₄ zircon-type orthovanadates. High Pressure Research, 2009, 29, 582-586. | 1.2 | 12 |
| 32 | Theoretical study of pressure-driven phase transitions in HgSe and HgTe. Physical Review B, 2011, 83, . | 3.2 | 12 |
| 33 | Equation of state of zircon- and scheelite-type dysprosium orthovanadates: a combined experimental and theoretical study. Journal of Physics Condensed Matter, 2014, 26, 025401. | 1.8 | 12 |
| 34 | Internal consistency of the Regional Brewer Calibration Centre for Europe triad during the period 2005-2016. Atmospheric Measurement Techniques, 2018, 11, 4059-4072. | 3.1 | 12 |
| 35 | High-pressure structural and lattice dynamical study of $HgWO_4$. Physical Review B, 2010, 82, . | 3.2 | 11 |
| 36 | Aluminum ordering and clustering in Al-rich synthetic phlogopite: ^{29}Si CPMAS HETCOR spectroscopy and atomistic calculations. American Mineralogist, 2012, 97, 341-352. | 1.9 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Evaluation of the Tourism Climate Index in the Canary Islands. Sustainability, 2021, 13, 7042. | 3.2 | 10 |
| 38 | Effect of pressure on La_2WO_4 with a modulated scheelite-type structure. Physical Review B, 2014, 89, . | 3.2 | 9 |
| 39 | Theoretical study of ZnS under high pressure. Physica Status Solidi (B): Basic Research, 2003, 235, 452-455. | 1.5 | 8 |
| 40 | Structural phases of InAs under pressure. Physica Status Solidi (B): Basic Research, 2007, 244, 274-278. | 1.5 | 6 |
| 41 | Experimental and theoretical study of $\text{Eu}_2(\text{MoO}_4)_3$ under compression. Journal of Physics Condensed Matter, 2015, 27, 465401. | 1.8 | 5 |
| 42 | Theoretical study of the scheelite-to-fergusonite phase transition in YLiF_4 under pressure. Journal of Physics and Chemistry of Solids, 2006, 67, 2077-2082. | 4.0 | 3 |
| 43 | Pressure evolution of two polymorphs of $\text{Tb}_2(\text{MoO}_4)_3$. High Pressure Research, 2014, 34, 184-190. | 1.2 | 3 |
| 44 | Role of rare earth sites and vacancies in the anomalous compression of modulated scheelite tungstates La_2WO_4 (La_2WO_4) $\text{Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 452 Td}$ (La_2WO_4) $\text{Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 452 Td}$ | 2.4 | 3 |
| 45 | Physical Review Materials, 2021, 5, . Ferroic phase transition in $\text{LaEr}(\text{MoO}_4)_3$. Powder Diffraction, 2013, 28, S86-S93. | 0.2 | 2 |
| 46 | High-pressure theoretical and experimental study of HgWO_4 . High Pressure Research, 2011, 31, 58-63. | 1.2 | 1 |
| 47 | Ordering of the Al cation distribution in the octahedral sheets related to the ordering of Al in the tetrahedral sheets of phlogopite investigated by 2D CPMAS NMR and Monte Carlo simulations. Acta Crystallographica Section A: Foundations and Advances, 2009, 65, s174-s175. | 0.3 | 0 |
| 48 | Experimental and theoretical equation of state of DyVO_4 polymorphs. Acta Crystallographica Section A: Foundations and Advances, 2013, 69, s478-s479. | 0.3 | 0 |