

Tomas Markeño

List of Publications by Year in descending order

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13
papers

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | High-pressure polymorphs of gadolinium orthovanadate: X-ray diffraction, Raman spectroscopy, and <i>ab initio</i> calculations. <i>Physical Review B</i> , 2019, 100, . | 1.1 | 22 |
| 2 | Structural Evolution of CO ₂ -Filled Pure Silica LTA Zeolite under High-Pressure High-Temperature Conditions. <i>Chemistry of Materials</i> , 2017, 29, 4502-4510. | 3.2 | 20 |
| 3 | An Ultrahigh CO ₂ -Loaded Silicalite-1 Zeolite: Structural Stability and Physical Properties at High Pressures and Temperatures. <i>Inorganic Chemistry</i> , 2018, 57, 6447-6455. | 1.9 | 19 |
| 4 | Post-tilleyite, a dense calcium silicate-carbonate phase. <i>Scientific Reports</i> , 2019, 9, 7898. | 1.6 | 18 |
| 5 | High-Pressure High-Temperature Stability and Thermal Equation of State of Zircon-Type Erbium Vanadate. <i>Inorganic Chemistry</i> , 2018, 57, 14005-14012. | 1.9 | 17 |
| 6 | Structural Behavior of Natural Silicate "Carbonate Spurrite Mineral, Ca ₅ (SiO ₄) ₂ (CO ₃), under High-Pressure, High-Temperature Conditions. <i>Inorganic Chemistry</i> , 2018, 57, 98-105. | 1.9 | 16 |
| 7 | High-pressure phase transformations in NdVO ₄ under hydrostatic conditions: a structural powder x-ray diffraction study. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 235401. | 0.7 | 14 |
| 8 | Pressure and Temperature Effects on Low-Density Mg ₃ Ca(CO ₃) ₄ Huntite Carbonate. <i>Journal of Physical Chemistry C</i> , 2020, 124, 1077-1087. | 1.5 | 11 |
| 9 | Oxidation of High Yield Strength Metals Tungsten and Rhenium in High-Pressure High-Temperature Experiments of Carbon Dioxide and Carbonates. <i>Crystals</i> , 2019, 9, 676. | 1.0 | 10 |
| 10 | Phase Stability of Natural Ni _{0.75} Mg _{0.22} Ca _{0.03} CO ₃ Gaspeite Mineral at High Pressure and Temperature. <i>Journal of Physical Chemistry C</i> , 2020, 124, 19781-19792. | 1.5 | 9 |
| 11 | Polymorphism of praseodymium orthovanadate under high pressure. <i>Physical Review B</i> , 2021, 103, . | 1.1 | 7 |
| 12 | Lattice dynamics of zircon-type NdVO ₄ and scheelite-type PrVO ₄ under high-pressure. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 025404. | 0.7 | 2 |
| 13 | Competing dynamical and lattice instabilities in RVO_4 rare-earth vanadium oxides under high pressure. <i>Physical Review Materials</i> , 2022, 6, . | 0.9 | 2 |