

# Tomas Markeño

## List of Publications by Year in descending order

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