

Experimental and theoretical study of structural properties of
 $YAsO_4$
 $YCrO_4$

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The electronic structure of zircon-type orthovanadates: Effects of high-pressure and cation substitution. <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	151
2	In situ high-pressure synchrotron x-ray diffraction study of CeVO ₄ and TbVO ₄ Zircon to monazite phase transition in CeVO ₄ to 50 GPa. <i>Physical Review B</i> , 2011, 84, .	1.1	62
3	Pressure-induced phase transitions in AgClO ₄ . <i>Physical Review B</i> , 2011, 84, .	1.1	83
4	Ab initio prediction of pressure-induced structural phase transitions of CrVO ₄ -type orthophosphates. <i>Physical Review B</i> , 2012, 86, .	1.1	21
5	CaSO ₄ and Its Pressure-Induced Phase Transitions. A Density Functional Theory Study. <i>Inorganic Chemistry</i> , 2012, 51, 1751-1759.	1.1	39
6	Effects of high-pressure on the structural, vibrational, and electronic properties of monazite-type PbCrO ₄ . <i>Physical Review B</i> , 2012, 85, .	1.9	38
7	High-Pressure Stability and Compressibility of Zircon-Type YVO ₄ :Eu ³⁺ Solid-Solution Nanoparticles: An X-ray Diffraction and Raman Spectroscopy Study. <i>Journal of Physical Chemistry C</i> , 2013, 117, 18603-18612.	1.1	63
8	High-pressure polymorphs of TbVO ₄ : A Raman and ab initio study. <i>Journal of Alloys and Compounds</i> , 2013, 577, 327-335.	1.5	10
9	Pressure-Induced Transformations in PrVO ₄ and SmVO ₄ and Isolation of High-Pressure Metastable Phases. <i>Inorganic Chemistry</i> , 2013, 52, 5464-5469.	2.8	45
10	New Polymorph of InVO ₄ : A High-Pressure Structure with Six-Coordinated Vanadium. <i>Inorganic Chemistry</i> , 2013, 52, 12790-12798.	1.9	60
11	Importance of tetrahedral coordination for high-valent transition-metal oxides: YCrO ₄ as a model system. <i>Physical Review B</i> , 2014, 90, .	1.1	9
12	High-pressure structural behaviour of HoVO ₄ : combined XRD experiments and ab initio calculations. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 265402.	1.1	9
13	Tuning the band gap of PbCrO ₄ through high-pressure: Evidence of wide-to-narrow semiconductor transitions. <i>Journal of Alloys and Compounds</i> , 2014, 587, 14-20.	0.7	58
14	Experimental evidence for pressure-driven isostructural and symmetry-breaking phase transitions on Bi ₁₄ CrO ₂₄ . <i>Solid State Communications</i> , 2014, 182, 50-54.	2.8	60
15	First-principles calculations of the high-temperature phase transformation in yttrium tantalate. <i>Physical Review B</i> , 2014, 90, .	0.9	7
16	Chemical bonding characterization, expansivity and compressibility of RECrO ₄ . <i>Journal of Alloys and Compounds</i> , 2014, 582, 151-156.	1.1	80
17	Effect of synthesis conditions on the structural characteristics and luminescence properties of Y _{0.9} Eu _{0.1} V _{1-x} Cr _x O ₄ (0 ≤ x ≤ 0.5) nanopowders. <i>Materials Chemistry and Physics</i> , 2014, 145, 18-26.	2.8	5
18		2.0	12

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19	Thermodynamic stability of oxide phases of Fe-Cr based ODS steels via quantum mechanical calculations. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2014, 45, 188-193.	0.7	32
20	Thermodynamic Stability of Oxide Phases of Fe-Cr Based ODS Steels via Quantum Mechanical Calculations. Procedia Engineering, 2014, 86, 788-798.	1.2	12
21	Theoretical and Experimental Study of the Crystal Structures, Lattice Vibrations, and Band Structures of Monazite-Type PbCrO_4 , PbSeO_4 , SrCrO_4 , and SrSeO_4 . Inorganic Chemistry, 2015, 54, 7524-7535.	1.9	90
22	Effects of preparation method and pH variation on the structural characteristics and luminescence properties of $\text{Y}_0.9\text{Er}_0.1\text{VO}_4$ and $\text{Y}_0.9\text{Er}_0.1\text{V}_0.9\text{Cr}_0.1\text{O}_4$ nanopowders. Journal of Luminescence, 2015, 165, 105-114.	1.5	12
23	High-Pressure Crystal Structure, Lattice Vibrations, and Band Structure of BiSbO_4 . Inorganic Chemistry, 2016, 55, 4958-4969.	1.9	60
24	Comparative study of $\text{Y}_0.9\text{Er}_0.1\text{V}_{1-x}\text{P}_x\text{O}_4$ nanophosphors with $x=0, 0.1, 0.5, 0.9$ and 1 prepared by sol-gel and hydrothermal processes. Journal of Alloys and Compounds, 2016, 687, 754-764.	2.8	5
25	Pressure-induced phase transformation in zircon-type orthovanadate SmVO_4 from experiment and theory. Journal of Physics Condensed Matter, 2016, 28, 035402.	0.7	25
26	Forgotten and Resurrected Chernovite-(Y): YAsO_4 Doped with Eu^{3+} Ions as a Potential Nanosized Luminophore. Inorganic Chemistry, 2017, 56, 10914-10925.	1.9	19
27	Influence of silica surface coating on optical properties of Er^{3+} - Yb^{3+} : YMoO_4 upconverting nanoparticles. Chemical Engineering Journal, 2017, 327, 838-848.	6.6	61
28	In situ Raman spectroscopy of pressure-induced phase transformations in polycrystalline TbPO_4 , DyPO_4 , and GdPO_4 . Journal of the American Ceramic Society, 2018, 101, 2562-2570.	1.9	12
29	Recent progress on the characterization of the high-pressure behaviour of AVO_4 orthovanadates. Progress in Materials Science, 2018, 97, 123-169.	16.0	105
30	distortion-driven ferroelectric order in CrO_4		

#	ARTICLE	IF	CITATIONS
37	Theoretical calculations of the effect of nitrogen substitution on the structural, vibrational, and electronic properties of wolframite-type ScTaO_4 at ambient conditions. Dalton Transactions, 2022, 51, 3642-3651.	1.6	3
38	High-pressure behavior of gasparite-(Ce) (nominally CeAsO_4), a monazite-type arsenate. Physics and Chemistry of Minerals, 2022, 49, .	0.3	0
39	Tunable luminescence thermal stability in $\text{YVO}_4:\text{As}^{3+}$ through the introduction of As^{5+} ions for remote temperature sensing applications. Journal of Materials Chemistry C, 2023, 11, 1418-1428.	2.7	2