

Sergey N Volkov

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Au-Cu Phase Diagram. Russian Journal of Inorganic Chemistry, 2016, 61, 772-775.	1.3	44
2	Borates' Crystal Structures of Prospective Nonlinear Optical Materials: High Anisotropy of the Thermal Expansion Caused by Anharmonic Atomic Vibrations. Crystals, 2017, 7, 93.	2.2	40
3	Bridging the Salt-Inclusion and Open-Framework Structures: The Case of Acentric $Ag_4B_4O_7X_2$ (X = Br, I) Borate Halides. Inorganic Chemistry, 2020, 59, 2655-2658.	4.0	10
4	Two novel centrosymmetric barium strontium borates with a deep-UV cut-off edge: Ba ₂ Sr ₃ B ₄ O ₁₁ and Ba ₃ Sr ₃ B ₄ O ₁₂ . Journal of Solid State Chemistry, 2020, 281, 121023.	2.9	9
5	$Ca_{11}B_2Si_4O_{22}$: six-fold twinning, crystal structure and thermal expansion. Zeitschrift Fur Kristallographie - Crystalline Materials, 2018, 233, 379-390.	0.8	7
6	Incommensurate modulation and thermal expansion of Sr ₃ B ₂ Si ₁ O ₈ solid solutions. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2015, 71, 489-497.	1.1	6
7	Crystal structure and thermal properties of the Li Na ₁ KZn _n P ₂ O ₇ solid solutions and its relation to the MM ² Zn ₂ P ₂ O ₇ diphosphate family. Journal of Solid State Chemistry, 2019, 269, 486-493.	2.9	6
8	Where the extraordinaries meet: a cascade of isosymmetrical superionic phase transitions and negative thermal expansion in a novel silver salt-inclusion borate halide. CrystEngComm, 2022, 24, 4174-4179.	2.6	6
9	Novel solid solutions of Ca ₃ Yb _{0.5} B ₂ Si _{0.8} O ₈ : Synthesis, crystal structure, luminescence and thermal properties. Solid State Sciences, 2018, 83, 82-89.	3.2	5
10	Synthesis, crystal structure and thermal expansion of a novel borate, Ba ₃ Bi ₂ (BO ₃) ₄ . Zeitschrift Fur Kristallographie - Crystalline Materials, 2013, 228, .	0.8	4
11	Crystal structure and strong uniaxial negative thermal expansion of CaBi ₂ B ₂ O ₇ borate. Inorganic Chemistry Communication, 2020, 122, 108262.	3.9	4
12	High-temperature Γ_3^+ Γ_2^+ Γ_1^+ phase transitions in Ca ₂ B ₂ O ₅ : Thermal expansion and crystal structure of Γ_1^+ -phase. Solid State Sciences, 2021, 121, 106726.	3.2	4
13	A new salt-inclusion compound, Ag ₄ Br @[B ₇ O ₁₂], with a novel type of the porous double-layered borate anion and strong anharmonicity of the ϵ -sublattice. Solid State Sciences, 2022, 125, 106831.	3.2	4
14	The first silver bismuth borate, AgBi ₂ B ₅ O ₁₁ . Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 910-918.	0.5	3
15	Crystal structure, thermal expansion and fluorescence of Sr ₃ Eu _{1.5} B ₂ +Si ₁ O ₈ /2 phosphors. Materials Chemistry and Physics, 2021, 260, 124151.	4.0	3
16	The first bismuth borate oxyiodide, Bi ₄ BO ₇ I: commensurate or incommensurate?. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2020, 76, 992-1000.	1.1	1
17	Topological Features of A+B ₂ + [B ₅ O ₉] Layered Pentaborates: Structural Changes in NaSr[B ₅ O ₉] at High Temperatures or Why KCa[B ₅ O ₉] Is Unstable?. Crystal Growth and Design, 2022, 22, 976-981.	3.0	0