

Anatolii Prokhvatilov

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The impact of treating graphene oxide with a pulsed high-frequency discharge on the low-temperature sorption of hydrogen. <i>Low Temperature Physics</i> , 2020, 46, 293-300.	0.6	5
2	Effect of Cold Plasma Treatment of Carbon Nanostructures on the Hydrogen Sorption. <i>Low Temperature Physics</i> , 2018, 44, 810-815.	0.6	2
3	Thermocatalytic pyrolysis of CO molecules. Structure and sorption characteristics of the carbon nanomaterial. <i>Low Temperature Physics</i> , 2018, 44, 334-340.	0.6	0
4	The effect of the thermal reduction on the kinetics of low-temperature 4He sorption and the structural characteristics of graphene oxide. <i>Low Temperature Physics</i> , 2017, 43, 383-389.	0.6	6
5	Microstructural and transport properties of superconducting FeTe _{0.65} Se _{0.35} crystals. <i>Superconductor Science and Technology</i> , 2017, 30, 015018.	3.5	13
6	Lattice parameters and thermal expansion of 2-bromobenzophenone crystals in the 90–300 K range. <i>Low Temperature Physics</i> , 2016, 42, 317-320.	0.6	1
7	X-ray studies of barium manganite Ba ₆ Mn ₂₄ O ₄₈ in the magnetic transition region. <i>Low Temperature Physics</i> , 2016, 42, 149-151.	0.6	0
8	Influence of CO molecular impurity on the structural and thermodynamic properties of fullerite C ₆₀ , in a broad range of sorption temperatures. <i>Low Temperature Physics</i> , 2016, 42, 126-132.	0.6	2
9	Interlayer Mn–Mn exchange parameter in MnPS ₃ from x-ray diffraction data. <i>Low Temperature Physics</i> , 2012, 38, 383-385.	0.6	9
10	Saturation of fullerite C ₆₀ with hydrogen: Adsorption crossover studies. <i>Low Temperature Physics</i> , 2012, 38, 952-956.	0.6	9
11	The effect of molecular impurities CO and CH ₄ on the structural characteristics of the C ₆₀ fullerene around the orientational phase transition. <i>Low Temperature Physics</i> , 2012, 38, 221-226.	0.6	8
12	Phase transition and thermal expansion of hexafluoroethane. <i>Low Temperature Physics</i> , 2011, 37, 163-168.	0.6	3
13	Structure of the low-temperature phase of hexafluoroethane. <i>Low Temperature Physics</i> , 2010, 36, 189-195.	0.6	3
14	Effect of impurity oxygen molecules on the structural and thermodynamic properties of fullerite C ₆₀ . <i>Low Temperature Physics</i> , 2010, 36, 266-271.	0.6	4
15	Process of intercalation of C ₆₀ with molecular hydrogen according to x-ray diffraction data. <i>Low Temperature Physics</i> , 2009, 35, 238-242.	0.6	9
16	Structure, phase transitions, and thermal expansion of ethane C ₂ H ₆ . <i>Low Temperature Physics</i> , 2008, 34, 1038-1043.	0.6	16
17	Unit cell parameters and thermal expansion of silane SiH ₄ . <i>Low Temperature Physics</i> , 2008, 34, 228-233.	0.6	3
18	Structure of the high-temperature phase of tetrafluoromethane CF ₄ . <i>Low Temperature Physics</i> , 2008, 34, 960-965.	0.6	4

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19	Hydrogen absorption and desorption kinetics in fullerite C60 single crystals. Low-temperature micromechanical and structural characteristics of the interstitial solid solution C60(H2)x. Low Temperature Physics, 2008, 34, 69-74.	0.6	10
20	Structure of the solid phases of SiH4. Low Temperature Physics, 2008, 34, 142-151.	0.6	6
21	X-ray studies of the effects of intercalation of C60 fullerite crystals by Ne atoms. Low Temperature Physics, 2007, 33, 89-93.	0.6	9
22	Intercalation of fullerite C60 with N2 molecules. An investigation by x-ray powder diffraction. Low Temperature Physics, 2007, 33, 881-885.	0.6	15
23	Structure of quench condensed nH2 ⁺ N2 binary alloys: isotope effect. Low Temperature Physics, 2007, 33, 499-503.	0.6	3
24	Influence of magnetic field on the paramagnetic-ferromagnetic transition in aLa _{1-x} CaxMnO ₃ (x [~] 0.25) crystal: Ultrasonic and transport studies. Physical Review B, 2006, 74, .	3.2	26
25	Solid solutions Ne ⁺ nD ₂ . Diagram of phase equilibrium. Low Temperature Physics, 2005, 31, 947-950.	0.6	6
26	Hysteretic phenomena in Xe-doped C60 from x-ray diffraction. Low Temperature Physics, 2005, 31, 445-448.	0.6	19
27	Orientalional order parameter in the ordered phase of solid deuterium from neutron-diffraction data. Low Temperature Physics, 2004, 30, 118-121.	0.6	5
28	Influence of an admixture of H2 molecules on the structure and parameters of a Ne lattice. Low Temperature Physics, 2004, 30, 984-989.	0.6	8
29	Intercalation of C60 fullerite with helium and argon at normal temperature and pressure. Low Temperature Physics, 2003, 29, 445-448.	0.6	22
30	Properties of solid hydrogen doped by heavy atomic and molecular impurities. Low Temperature Physics, 2003, 29, 784-787.	0.6	10
31	Quench deposited Kr ⁺ H ₂ and Ar ⁺ H ₂ mixtures: in quest of impurity ⁺ hydrogen gels. Low Temperature Physics, 2003, 29, 522-526.	0.6	11
32	Structure and photoluminescence of helium-intercalated fullerite C60. Low Temperature Physics, 2002, 28, 942-944.	0.6	11
33	Effect of nonmagnetic impurities on the spontaneous magnetostriction in ¹² O ₂ crystals. Low Temperature Physics, 2002, 28, 61-65.	0.6	1
34	X-ray studies of phase transitions in solid oxygen. Low Temperature Physics, 2001, 27, 391-396.	0.6	7
35	Structure, lattice parameters, and thermal expansion anisotropy of C70 fullerite. Low Temperature Physics, 2001, 27, 1037-1047.	0.6	12
36	Structure characteristics of methane-doped solid normal hydrogen. Low Temperature Physics, 2000, 26, 676-679.	0.6	2

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37	Structure and thermal expansion of the low-temperature phase of SF ₆ . Low Temperature Physics, 2000, 26, 296-304.	0.6	9
38	Low-temperature lattice instability in SnTe. Low Temperature Physics, 1999, 25, 285-289.	0.6	4
39	Analysis of thermodynamic properties of fullerite C ₆₀ . Low Temperature Physics, 1999, 25, 724-731.	0.6	28
40	Structure and microhardness of low pressure polymerized fullerite C ₆₀ . Low Temperature Physics, 1998, 24, 896-903.	0.6	3
41	The structure, slip systems, and microhardness of C ₆₀ crystals. Low Temperature Physics, 1997, 23, 251-261.	0.6	20
42	Lattice parameters, thermal expansion coefficients, and vacancy density in solid CD ₄ . Physica Status Solidi A, 1983, 78, 147-155.	1.7	11
43	Structure and thermal expansion of ¹³ C-D ₂ O. Physica Status Solidi A, 1973, 19, 519-527.	1.7	42
44	Temperature dependence of the crystalline lattice parameter of methane in the range of 1170 ± 1/2 K. Journal of Structural Chemistry, 1972, 12, 670-672.	1.0	14
45	Temperature dependence of the lattice parameters and coefficients of thermal expansion of deuteromethane. Journal of Structural Chemistry, 1972, 12, 1036-1038.	1.0	9
46	X-ray crystallographic study of the structure of deuteromethane in the temperature range 6740 ± 1/2 K. Journal of Structural Chemistry, 1971, 12, 313-314.	1.0	22