

Viktor Gavrilko

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	On the polyamorphism of fullerite-based orientational glasses. <i>Low Temperature Physics</i> , 2005, 31, 429-444.	0.6	37
2	Low-temperature thermal expansion of pure and inert-gas-doped fullerite C60. <i>Low Temperature Physics</i> , 2003, 29, 324-332.	0.6	31
3	Radial thermal expansion of pure and Xe-saturated bundles of single-walled carbon nanotubes at low temperatures. <i>Low Temperature Physics</i> , 2009, 35, 484-490.	0.6	31
4	Thermal Expansion of Solid Xenon. <i>Physica Status Solidi (B): Basic Research</i> , 1969, 34, K55.	1.5	28
5	Radial thermal expansion of single-walled carbon nanotube bundles at low temperatures. <i>Low Temperature Physics</i> , 2008, 34, 678-679.	0.6	25
6	Thermal expansion and polyamorphism of N ₂ in C ₆₀ solutions. <i>Low Temperature Physics</i> , 2006, 32, 695-699.	0.6	20
7	Kinetics of the sorption of ³ He by C ₆₀ fullerite. The quantum diffusion of ³ He and ⁴ He in fullerite. <i>JETP Letters</i> , 2011, 93, 577-579.	1.4	19
8	Specific features of thermal expansion and polyamorphism in CH ₄ in C ₆₀ solutions at low temperatures. <i>Low Temperature Physics</i> , 2007, 33, 1068-1072.	0.6	16
9	Kinetics of He ₄ gas sorption by fullerite C ₆₀ . Quantum effects. <i>Low Temperature Physics</i> , 2010, 36, 1091-1093.	0.6	16
10	Kinetics of ³ He, ⁴ He, H ₂ , D ₂ , Ne, and N ₂ sorption by bundles of single-walled carbon nanotubes. Quantum effects. <i>Low Temperature Physics</i> , 2014, 40, 246-250.	0.6	16
11	Low-temperature thermal expansion of fullerite C ₆₀ alloyed with argon and neon. <i>Low Temperature Physics</i> , 2001, 27, 1033-1036.	0.6	15
12	Influence of dissolved oxygen on the thermal expansion and polyamorphism of fullerite C ₆₀ . <i>Low Temperature Physics</i> , 2007, 33, 465-471.	0.6	14
13	Thermal expansion of solutions of deuteromethane in fullerite C ₆₀ at low temperatures. Isotopic effect. <i>Low Temperature Physics</i> , 2009, 35, 226-231.	0.6	14
14	Hydrogen sorption and radial thermal expansion of bundles of single-walled nanotubes irradiated by ¹³⁷ I-rays in hydrogen atmosphere. <i>Low Temperature Physics</i> , 2011, 37, 589-594.	0.6	14
15	The effect of sorbed hydrogen on low-temperature radial thermal expansion of single-walled carbon nanotube bundles. <i>Low Temperature Physics</i> , 2009, 35, 939-943.	0.6	13
16	Hydrogen sorption by the bundles of single-wall carbon nanotubes, irradiated in various gas media. <i>Low Temperature Physics</i> , 2013, 39, 610-617.	0.6	13
17	Diffusion of H ₂ and Ne impurities in fullerite C ₆₀ . Quantum effects. <i>Low Temperature Physics</i> , 2012, 38, 962-965.	0.6	12
18	Effect of argon on the thermal expansion of fullerite C ₆₀ at helium temperatures. <i>Low Temperature Physics</i> , 2001, 27, 245-246.	0.6	11

#	ARTICLE	IF	CITATIONS
19	Low-temperature radial thermal expansion of single-walled carbon nanotube bundles saturated with nitrogen. <i>Low Temperature Physics</i> , 2010, 36, 365-369.	0.6	10
20	Quantum effects in the radial thermal expansion of bundles of single-walled carbon nanotubes doped with He4. <i>Low Temperature Physics</i> , 2010, 36, 635-637.	0.6	9
21	Sorption of 4He, H2, Ne, N2, CH4, and Kr impurities in graphene oxide at low temperatures. Quantum effects. <i>Low Temperature Physics</i> , 2013, 39, 1090-1095.	0.6	9
22	The effect of glass transition in fullerite C60 on Ar impurity diffusion. <i>Low Temperature Physics</i> , 2013, 39, 370-373.	0.6	9
23	The effect of the noncentral impurity-matrix interaction upon the thermal expansion and polymorphism of CO-C60 solid solutions at low temperatures. <i>Low Temperature Physics</i> , 2008, 34, 470-475.	0.6	8
24	Quantum effects in the sorption of hydrogen by mesoporous materials. <i>Low Temperature Physics</i> , 2016, 42, 1139-1143.	0.6	7
25	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
26	Quantum phenomena in the radial thermal expansion of bundles of single-walled carbon nanotubes doped with 3He. A giant isotope effect. <i>Low Temperature Physics</i> , 2011, 37, 544-546.	0.6	5
27	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
28	The effect of O2 impurities on the low-temperature radial thermal expansion of bundles of closed single-walled carbon nanotubes. <i>Low Temperature Physics</i> , 2011, 37, 343-346.	0.6	4
29	Peculiarities of thermal expansion of quasi-two-dimensional organic conductor β -(BEDT-TTF) ₂ Cu[N(CN) ₂]Cl. <i>Low Temperature Physics</i> , 2016, 42, 788-793.	0.6	3
30	The effect of the temperature of graphene oxide reduction on low-temperature sorption of 4He. <i>Low Temperature Physics</i> , 2016, 42, 57-59.	0.6	3
31	Effect of γ -ray irradiation on the sorption of hydrogen by nanoporous carbon materials. <i>Low Temperature Physics</i> , 2015, 41, 287-292.	0.6	2
32	Sorption of hydrogen by silica aerogel at low-temperatures. <i>Low Temperature Physics</i> , 2018, 44, 144-147.	0.6	2
33	Effect of Cold Plasma Treatment of Carbon Nanostructures on the Hydrogen Sorption. <i>Low Temperature Physics</i> , 2018, 44, 810-815.	0.6	2
34	The effect of graphene oxide reduction temperature on the kinetics of low-temperature sorption of hydrogen. <i>Low Temperature Physics</i> , 2019, 45, 422-426.	0.6	2
35	Deformation of crystalline methane under conditions of hydrostatic pressure. <i>Strength of Materials</i> , 1976, 8, 847-849.	0.5	1
36	Thermal expansion of Kr-CH4 solid solutions at liquid-helium temperatures. <i>Low Temperature Physics</i> , 2003, 29, 534-539.	0.6	1

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37	Quantum effects in the sorption kinetics of ^4He by mesoporous materials. <i>Low Temperature Physics</i> , 2016, 42, 80-84.	0.6	1
38	Thermal expansion of organic superconductor $\hat{I}^{\pm}(\text{BEDT-TTF})_2 \text{NH}_4\text{Hg}(\text{SCN})_4$. <i>Low Temperature Physics</i> , 2019, 45, 128-131.	0.6	1
39	Low-temperature sorption of hydrogen by porous carbon material containing palladium nanoclusters. <i>Low Temperature Physics</i> , 2020, 46, 1030-1038.	0.6	1
40	Title is missing!. <i>Journal of Low Temperature Physics</i> , 1998, 111, 393-398.	1.4	0
41	Thermal expansion of organic superconductor $\hat{I}^{\pm}(\text{D4-BEDT-TTF})_2\text{Cu}\{\text{N}(\text{CN})_2\}\text{Br}$. Isotopic effect. <i>Low Temperature Physics</i> , 2017, 43, 1387-1391.	0.6	0
42	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
43	The new approach for obtaining aqueous solutions of fullerene C_{60} @ $\{\text{H}_2\text{O}\}_n$ by the cryogenic sublimation method. <i>Low Temperature Physics</i> , 2022, 48, 336-338.	0.6	0