

# Viktor Gavrilko

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The new approach for obtaining aqueous solutions of fullerene $C_{60}@H_2O_n$ by the cryogenic sublimation method. Low Temperature Physics, 2022, 48, 336-338.	0.6	0
2	Low-temperature sorption of hydrogen by porous carbon material containing palladium nanoclusters. Low Temperature Physics, 2020, 46, 1030-1038.	0.6	1
3	The impact of treating graphene oxide with a pulsed high-frequency discharge on the low-temperature sorption of hydrogen. Low Temperature Physics, 2020, 46, 293-300.	0.6	5
4	The effect of graphene oxide reduction temperature on the kinetics of low-temperature sorption of hydrogen. Low Temperature Physics, 2019, 45, 422-426.	0.6	2
5	Thermal expansion of organic superconductor $\hat{\pm}-(BEDT-TTF)_2 NH_4Hg(SCN)_4$ . Low Temperature Physics, 2019, 45, 128-131.	0.6	1
6	Sorption of hydrogen by silica aerogel at low-temperatures. Low Temperature Physics, 2018, 44, 144-147.	0.6	2
7	Effect of Cold Plasma Treatment of Carbon Nanostructures on the Hydrogen Sorption. Low Temperature Physics, 2018, 44, 810-815.	0.6	2
8	Thermocatalytic pyrolysis of CO molecules. Structure and sorption characteristics of the carbon nanomaterial. Low Temperature Physics, 2018, 44, 334-340.	0.6	0
9	The effect of the thermal reduction on the kinetics of low-temperature $4He$ sorption and the structural characteristics of graphene oxide. Low Temperature Physics, 2017, 43, 383-389.	0.6	6
10	Thermal expansion of organic superconductor $\hat{\pm}-(D_4-BEDT-TTF)_2 Cu\{N(CN)_2\}Br$ . Isotopic effect. Low Temperature Physics, 2017, 43, 1387-1391.	0.6	0
11	Peculiarities of thermal expansion of quasi-two-dimensional organic conductor $\hat{\pm}-(BEDT-TTF)_2 Cu\{N(CN)_2\}Cl$ . Low Temperature Physics, 2016, 42, 788-793.	0.6	3
12	The effect of the temperature of graphene oxide reduction on low-temperature sorption of $4He$ . Low Temperature Physics, 2016, 42, 57-59.	0.6	3
13	Quantum effects in the sorption kinetics of $4He$ by mesoporous materials. Low Temperature Physics, 2016, 42, 80-84.	0.6	1
14	Quantum effects in the sorption of hydrogen by mesoporous materials. Low Temperature Physics, 2016, 42, 1139-1143.	0.6	7
15	Effect of $\gamma$ -ray irradiation on the sorption of hydrogen by nanoporous carbon materials. Low Temperature Physics, 2015, 41, 287-292.	0.6	2
16	Kinetics of $3He$ , $4He$ , $H_2$ , $D_2$ , $Ne$ , and $N_2$ sorption by bundles of single-walled carbon nanotubes. Quantum effects. Low Temperature Physics, 2014, 40, 246-250.	0.6	16
17	Hydrogen sorption by the bundles of single-wall carbon nanotubes, irradiated in various gas media. Low Temperature Physics, 2013, 39, 610-617.	0.6	13
18	Sorption of $4He$ , $H_2$ , $Ne$ , $N_2$ , $CH_4$ , and $Kr$ impurities in graphene oxide at low temperatures. Quantum effects. Low Temperature Physics, 2013, 39, 1090-1095.	0.6	9

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19	The effect of glass transition in fullerite C60 on Ar impurity diffusion. Low Temperature Physics, 2013, 39, 370-373.	0.6	9
20	Diffusion of H2 and Ne impurities in fullerite C60. Quantum effects. Low Temperature Physics, 2012, 38, 962-965.	0.6	12
21	Kinetics of the sorption of 3He by C60 fullerite. The quantum diffusion of 3He and 4He in fullerite. JETP Letters, 2011, 93, 577-579.	1.4	19
22	Hydrogen sorption and radial thermal expansion of bundles of single-walled nanotubes irradiated by $\beta$ -rays in hydrogen atmosphere. Low Temperature Physics, 2011, 37, 589-594.	0.6	14
23	Quantum phenomena in the radial thermal expansion of bundles of single-walled carbon nanotubes doped with 3He. A giant isotope effect. Low Temperature Physics, 2011, 37, 544-546.	0.6	5
24	The effect of O2 impurities on the low-temperature radial thermal expansion of bundles of closed single-walled carbon nanotubes. Low Temperature Physics, 2011, 37, 343-346.	0.6	4
25	Kinetics of He4 gas sorption by fullerite C60. Quantum effects. Low Temperature Physics, 2010, 36, 1091-1093.	0.6	16
26	Quantum effects in the radial thermal expansion of bundles of single-walled carbon nanotubes doped with He4. Low Temperature Physics, 2010, 36, 635-637.	0.6	9
27	Low-temperature radial thermal expansion of single-walled carbon nanotube bundles saturated with nitrogen. Low Temperature Physics, 2010, 36, 365-369.	0.6	10
28	The effect of sorbed hydrogen on low-temperature radial thermal expansion of single-walled carbon nanotube bundles. Low Temperature Physics, 2009, 35, 939-943.	0.6	13
29	Radial thermal expansion of pure and Xe-saturated bundles of single-walled carbon nanotubes at low temperatures. Low Temperature Physics, 2009, 35, 484-490.	0.6	31
30	Thermal expansion of solutions of deuteromethane in fullerite C60 at low temperatures. Isotopic effect. Low Temperature Physics, 2009, 35, 226-231.	0.6	14
31	Radial thermal expansion of single-walled carbon nanotube bundles at low temperatures. Low Temperature Physics, 2008, 34, 678-679.	0.6	25
32	The effect of the noncentral impurity matrix interaction upon the thermal expansion and polyamorphism of CO-C60 solid solutions at low temperatures. Low Temperature Physics, 2008, 34, 470-475.	0.6	8
33	Influence of dissolved oxygen on the thermal expansion and polyamorphism of fullerite C60. Low Temperature Physics, 2007, 33, 465-471.	0.6	14
34	Specific features of thermal expansion and polyamorphism in CH4-C60 solutions at low temperatures. Low Temperature Physics, 2007, 33, 1068-1072.	0.6	16
35	Thermal expansion and polyamorphism of N2-C60 solutions. Low Temperature Physics, 2006, 32, 695-699.	0.6	20
36	On the polyamorphism of fullerite-based orientational glasses. Low Temperature Physics, 2005, 31, 429-444.	0.6	37

#	ARTICLE	IF	CITATIONS
37	Low-temperature thermal expansion of pure and inert-gas-doped fullerite C60. Low Temperature Physics, 2003, 29, 324-332.	0.6	31
38	Thermal expansion of $\text{C}^{12}\text{H}_4$ solid solutions at liquid-helium temperatures. Low Temperature Physics, 2003, 29, 534-539.	0.6	1
39	Low-temperature thermal expansion of fullerite C60 alloyed with argon and neon. Low Temperature Physics, 2001, 27, 1033-1036.	0.6	15
40	Effect of argon on the thermal expansion of fullerite C60 at helium temperatures. Low Temperature Physics, 2001, 27, 245-246.	0.6	11
41	Title is missing!. Journal of Low Temperature Physics, 1998, 111, 393-398.	1.4	0
42	Deformation of crystalline methane under conditions of hydrostatic pressure. Strength of Materials, 1976, 8, 847-849.	0.5	1
43	Thermal Expansion of Solid Xenon. Physica Status Solidi (B): Basic Research, 1969, 34, K55.	1.5	28