

Дані про цитування праць виконавців наукової роботи «Структура, сорбційні та теплові властивості вуглецевих наноматеріалів та створення композитів на їх основі», для участі у конкурсі зі здобуття премії Президента України для молодих вчених 2021 року авторів БАСНУКАЄВА Разет Магомедівна та БАРАБАШКО Максим Сергійович

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№ п.п.	Назва статті (монографії), автори, назва видання, рік, том, сторінка або DOI	Кількість посилань згідно бази даних		
		Web of Science	Scopus	Google Scholar
1.	The effect of the thermal reduction temperature on the structure and sorption capacity of reduced graphene oxide materials Dolbin A.V.; Khlistyuck M.V.; Basnukaeva R.M.; et al. APPLIED SURFACE SCIENCE Volume: 361 Issue: 1 Pages: 213–220 Published: JAN 2016 https://doi.org/10.1016/j.apsusc.2015.11.167	43	49	61
2.	The specific heat and the radial thermal expansion of bundles of single-walled carbon nanotubes Bagatskii M.I.; Barabashko M.S; Dolbin A.V.; et al. LOW. TEMP. PHYS. Volume: 38 Issue: 6, 523 – 528 Published: JUNE 2012 https://doi.org/10.1063/1.4723677	19	26	40
3.	The heat capacity of nitrogen chain in grooves of single-walled carbon nanotube bundles Bagatskii M.I.; Barabashko M.S; Sumarokov V.V. LOW TEMP. PHYS. Volume: 39 Issue: 5, 441– 445 Published: MAY 2013. https://doi.org/10.1063/1.4807048	13	15	29
4.	Tunneling effects in the kinetics of helium and hydrogen isotopes desorption from single-walled carbon nanotube bundles Danilchenko B.A.; Yaskovets I.I.; Basnukaeva RM; et al. APPLIED PHYSICS LETTERS Volume: 104 Issue: 17 Pages: 173109(1) – 173109(4) Published: JAN 2014	11	23	24

	https://doi.org/10.1063/1.4874880			
5.	Kinetic of 3He-, 4He-, H2, D2, Ne, and N2 sorption by bundles of single-walled carbon nanotubes. Quantum effects Dolbin A.V.; Esel'son V.B.; Basnukaeva, RM; et al. LOW TEMPERATURE PHYSICS Volume: 40 Issue: 3 Pages: 246 – 250 Published: APR 2014 https://doi.org/10.1063/1.4868528	11	15	19
6.	Experimental low-temperature heat capacity of one-dimensional xenon adsorbate chains in the grooves of carbon c-SWNT bundles Bagatskii M.I.; Manzhelii V.G.; Barabashko M.S.; et al. LOW TEMP. PHYS. Volume: 39 Issue: 7 Pages: 618 – 621 Published: JUL 2013 https://doi.org/10.1063/1.4816120	11	13	23
7.	Thermal vacancies in one-dimensional Xe adsorbate chains in grooves of nanotube bundles Bagatskii M.I.; Barabashko M.S; Sumarokov V.V. JETP LETTERS. Volume: 99, Pages:461 – 465 Published: JUL 2014. https://doi.org/10.1134/S0021364014080049	10	12	16
8	Sorption of 4He, H2, Ne, N2, CH4, and Kr impurities in graphene oxide at low temperatures. Quantum effects Dolbin A.V.; Esel'son V.B.; Basnukaeva, R.M.; et al. LOW TEMPERATURE PHYSICS Volume: 39 Issue: 12 Pages: 1090 – 1095 Published: DEC 2014	8	17	17
9.	The low temperature heat capacity of fullerite C60 Bagatskii M.I.; Sumarokov V.V.; Barabashko M.S; et al. LOW. TEMP. PHYS. Volume: 41 Issue: 8, Pages: 630 – 636 Published: AUG 2015 https://doi.org/10.1063/1.4928920	8	9	15
10.	Heat capacity of 1D methane chains in the grooves of bundles of carbon nanotubes Bagatskii M.I.; Sumarokov V.V.; Barabashko M.S; LOW. TEMP. PHYS. Volume: 42 Issue: 2, Pages: 94 –98 Published: FEB 2016 https://doi.org/10.1063/1.4942395	7	6	7
11.	Heat Capacity of 1D Molecular Chains Bagatskii M.I.; Barabashko M.S.; Sumarokov V.V.; et al. J. LOW. TEMP. PHYS. Volume: 187 Issue: 1-2, Pages: 113 – 123 Published: JAN 2017 https://doi.org/10.1007/s10909-016-1737-z	6	9	6
12.	Quantum effects in the sorption of hydrogen by mesoporous materials Dolbin A.V.; Esel'son V.B.; Basnukaeva RM; et al. LOW TEMPERATURE PHYSICS Volume: 42 Issue: 12 Pages: 1139-1143 Published: DEC 2016 https://doi.org/10.1063/1.4973468	4	9	11
13.	The effect of glass transition in fullerite C60 on Ar impurity diffusion Dolbin A.V.; Esel'son V.B.; Basnukaeva R.M.; et al. LOW TEMPERATURE PHYSICS Volume: 39 Issue: 4 Pages: 370– 373 Published: DEC 2013 https://doi.org/10.1063/1.4802502	4	4	8
14.	The effect of the thermal reduction on the kinetics of low-temperature 4He sorption and the structural characteristics of graphene oxide Dolbin A.V.; Esel'son V.B.; Basnukaeva, R.M.; et al. LOW TEMPERATURE PHYSICS Volume: 43 Issue: 3 Pages: 383 – 389 Published: APR 2017 https://doi.org/10.1063/1.4979362	3	5	11
15.	Low temperature heat capacity and sound velocity in fullerite C60 orientational glasses Barabashko M.S.; Rezvanova A.E.; Ponomarev A.N.	3	4	3

	FULLERENES, NANOTUBES AND CARBON NANOSTRUCTURES, Volume: 25 Issue: 11, Pages: 661 – 666 Published: DEC 2017 https://doi.org/10.1080/1536383X.2017.1391225			
16.	The Heat Capacity of Nanotube Bundles with 1D Chains of Gas Adsorbates Barabashko M.S.; Bagatskii M.I.; Sumarokov V.V. Nanotechnology in the Security Systems, NATO Science for Peace and Security Series C: Environmental Security, J. Bonča and S. Kruchinin (eds.), Springer Science+Business Media Dordrecht (2015) https://doi.org/10.1007/978-94-017-9005-5_11	3	2	1
17.	Variation of Vickers microhardness and compression strength of the bioceramics based on hydroxyapatite by adding the multiwalled carbon nanotubes Barabashko M.S., Tkachenko M.V., Neiman A.A.; et al. APPLIED NANOSCIENCE, Volume: 10 Issue: 8, Pages: 2601-2608 Published: MAR 2019 https://doi.org/10.1007/s13204-019-01019-z	2	3	4
18.	The low-temperature specific heat of MWCNTs Sumarokov V.V.; Jeżowski A.; Barabashko M.S.; et al. LOW TEMP. PHYS. Volume: 45 Issue: 3, Pages: 347- 354, Published: FEB 2019. https://doi.org/10.1063/1.5090094	2	3	4
19.	The effect of the temperature of graphene oxide reduction on low-temperature sorption of 4He Dolbin A.V.; Esel'son V.B.; Basnukaeva, R.M.; et al. LOW TEMPERATURE PHYSICS Volume: 42 Issue: 1 Pages: 57–59 Published: JAN 2016 https://doi.org/10.1063/1.4939155	2	2	4
20.	The Effect of Reduction Temperature of Graphene Oxide on Low Temperature Hydrogen Sorption Dolbin A.V.; Esel'son V.B.; Basnukaeva, R.M.; et al. JOURNAL OF NANO- AND ELECTRONIC PHYSICS Volume: 7 Issue: 2 Pages: 02008(1)–02008(4) Published: 2015	2	0	2
21.	Low-temperature dynamics of matrix isolated methane molecules in fullerite C60. The heat capacity, isotope effects Bagatskii M.I.; Manzhelii V.G.; Barabashko M.S.; et al. LOW TEMP. PHYS. Volume: 40 Issue: 8, Pages: 678 – 684 Published: SEP 2014 https://doi.org/10.1063/1.4892643	1	2	4
22.	Thermocatalytic pyrolysis of CO molecules. Structure and sorption characteristics of the carbon nanomaterial Prokhvatilov A.I.; Dolbin A.V.; Basnukaeva R.M.; et al. LOW TEMPERATURE PHYSICS Volume: 44 Issue: 4 Pages: 334-340 Published: APR 2018 https://doi.org/10.1063/1.5030457	1	1	2
23.	Effect of Cold Plasma Treatment of Carbon Nanostructures on the Hydrogen Sorption Dolbin A.V.; Esel'son V.B.; Basnukaeva, R.M.; et al. LOW TEMPERATURE PHYSICS Volume: 44 Issue: 8 Pages: 810-815 Published: AUG 2018 https://doi.org/10.1063/1.5049163	1	0	2
Загальна кількість цитувань		175	229	313
h-індекс робіт		8	9	11