

Anatolii A Fomkin

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1829198/anatolii-a-fomkin-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

159
papers

1,055
citations

17
h-index

23
g-index

160
ext. papers

1,267
ext. citations

1.3
avg, IF

4.55
L-index

#	Paper	IF	Citations
159	Adsorption of Gases, Vapors and Liquids by Microporous Adsorbents. <i>Adsorption</i> , 2005 , 11, 425-436	2.6	99
158	Adsorption and deformation phenomena at the interaction of CO ₂ and a microporous carbon adsorbent. <i>Journal of Colloid and Interface Science</i> , 2003 , 268, 33-6	9.3	47
157	Metal-organic framework structures: adsorbents for natural gas storage. <i>Russian Chemical Reviews</i> , 2019 , 88, 925-978	6.8	33
156	Porous carbon-based adsorption systems for natural gas (methane) storage. <i>Russian Chemical Reviews</i> , 2018 , 87, 950-983	6.8	30
155	Deformation of AUK microporous carbon adsorbent induced by methane adsorption. <i>Colloid Journal</i> , 2009 , 71, 119-124	1.1	25
154	Adsorption and adsorption-induced deformation of NaX zeolite under high pressures of carbon dioxide. <i>Russian Chemical Bulletin</i> , 2001 , 50, 60-62	1.7	25
153	Adsorption accumulation of natural gas based on microporous carbon adsorbents of different origin. <i>Adsorption</i> , 2017 , 23, 327-339	2.6	23
152	Experimental study and numerical modeling: Methane adsorption in microporous carbon adsorbent over the subcritical and supercritical temperature regions. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2016 , 52, 955-963	0.9	21
151	Adsorption concentration of methane. Dependence of adsorbate density on the width of slit-shaped micropores in activated carbons. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2014 , 50, 173-177	0.9	20
150	Methane adsorption on AUK microporous carbon adsorbent. <i>Colloid Journal</i> , 2008 , 70, 796-801	1.1	19
149	Adsorption and deformation phenomena at interaction of N ₂ and microporous carbon adsorbent. <i>Journal of Colloid and Interface Science</i> , 2004 , 280, 305-8	9.3	19
148	High-Pressure Adsorption of Xe on NaX Zeolite by Microcalorimetry and Isothermic Analysis. <i>Journal of Colloid and Interface Science</i> , 1994 , 162, 279-283	9.3	19
147	Nanoporous materials and their adsorption properties. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2009 , 45, 121-136	0.9	18
146	Methane adsorption on microporous carbon adsorbents in the region of supercritical temperatures. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2015 , 51, 493-498	0.9	17
145	Theoretical calculation of the isotherms of adsorption on active coals using the molecular dynamics method. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2011 , 47, 150-155	0.9	17
144	Adsorption-stimulated deformation of microporous carbon adsorbent. <i>Russian Chemical Bulletin</i> , 2003 , 52, 354-358	1.7	17
143	Adsorption deformation in the microporous carbon adsorbent-benzene system and porous structure of adsorbents. <i>Russian Chemical Bulletin</i> , 2000 , 49, 1012-1016	1.7	17

142	Adsorption of methane on AU-1 microporous carbon adsorbent. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2012 , 48, 614-619	0.9	13
141	Thermodynamics of methane adsorption on the microporous carbon adsorbent ACC. <i>Russian Chemical Bulletin</i> , 2008 , 57, 1799-1805	1.7	13
140	Optimization of structural and energy characteristics of adsorbents for methane storage. <i>Russian Chemical Bulletin</i> , 2018 , 67, 1814-1822	1.7	13
139	Measurement of Adsorption of Methane at High Pressures for Alternative Energy Systems. <i>Measurement Techniques</i> , 2016 , 58, 1387-1391	0.4	12
138	Adsorption of methane on an MOF-199 organometallic framework structure at high pressures in the range of supercritical temperatures. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2016 , 52, 24-29	0.9	12
137	Thermodynamics of adsorption of krypton, xenon, nitrogen, and oxygen on microporous active carbon at temperatures above critical values. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2013 , 49, 367-372	0.9	12
136	Low-temperature adsorption of methane on microporous AU-1 carbon adsorbent. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2014 , 50, 15-21	0.9	12
135	Methane adsorption on a microporous carbon adsorbent in the precritical and hypercritical regions. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1986 , 35, 847-849		12
134	Description of methane adsorption on microporous carbon adsorbents on the range of supercritical temperatures on the basis of the DubininAstakhov equation. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2016 , 52, 575-580	0.9	11
133	Measurement of Carbon-Nanotube Adsorption of Energy-Carrier Gases for Alternative Energy Systems. <i>Measurement Techniques</i> , 2018 , 61, 395-401	0.4	11
132	Adsorption-induced deformation of AUK microporous carbon adsorbent in adsorption of n-pentane. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2011 , 47, 555-561	0.9	11
131	Methane adsorption on microporous carbon adsorbent with wide pore size distribution. <i>Colloid Journal</i> , 2017 , 79, 144-151	1.1	10
130	Deformation of AUK microporous carbon adsorbent induced by krypton adsorption. <i>Colloid Journal</i> , 2014 , 76, 351-357	1.1	10
129	Adsorption of methane on model adsorbents formed from single-wall carbon nanotubes. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2014 , 50, 279-286	0.9	10
128	A priori calculation of adsorption equilibria on microporous active carbons. <i>Colloid Journal</i> , 2012 , 74, 366-372	1.1	10
127	Adsorption of methane on AU-5 microporous carbon adsorbent. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2013 , 49, 521-527	0.9	10
126	Hydrogen adsorption on model adsorbents in terms of volume filling of micropores: II. Hydrogen adsorption in the space between Single-Wall carbon nanotubes. <i>Colloid Journal</i> , 2009 , 71, 877-881	1.1	10
125	Thermodynamics of CO ₂ adsorption on zeolite NaX in wide intervals of pressures and temperatures. <i>Russian Chemical Bulletin</i> , 2004 , 53, 1630-1634	1.7	10

124	Carbon dioxide adsorption on the microporous ACC carbon adsorbent. <i>Russian Chemical Bulletin</i> , 2005 , 54, 1373-1377	1.7	10
123	Adsorption deformation of zeolite NaX at high pressures of xenon. <i>Russian Chemical Bulletin</i> , 1996 , 45, 321-323	1.7	10
122	Theory of volume filling of micropores applied to the description of methane adsorption on the microporous carbon adsorbent AUK. <i>Russian Chemical Bulletin</i> , 2009 , 58, 717-721	1.7	9
121	Analysis of adsorption isosteres of gas and vapor on microporous adsorbents. <i>Russian Chemical Bulletin</i> , 2007 , 56, 393-396	1.7	9
120	Adsorption of Natural Gas Methane on Metal-Organic Framework Structures in the Range of Supercritical Temperatures. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2018 , 54, 347-353	0.9	9
119	Adsorption of Hydrogen in Microporous Carbon Adsorbents of Different Origin. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2019 , 55, 413-419	0.9	8
118	Adsorption deformation of AUK microporous carbon adsorbent at adsorption of n-heptane. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2013 , 49, 373-378	0.9	8
117	Synthesis and Structure-Energy Characteristics of an MOF Al-BTC Organometallic Framework Structure. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2017 , 53, 961-966	0.9	8
116	Wave sorbostriction in adsorption of gases and vapors. <i>Doklady Physical Chemistry</i> , 2008 , 423, 292-296	0.8	8
115	Adsorption of methane on NaX zeolite in the subcritical and supercritical regions. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1985 , 34, 886-890		8
114	Synthesis and Structural-Energy Characteristics of Fe-BDC Metal-Organic Frameworks. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2018 , 54, 1004-1009	0.9	8
113	Effect of the nature of promoters, the alkaline treatment of ZSM-5 zeolites, and the method of their synthesis on the conversion of C ₃ –C ₄ alkanes. <i>Theoretical Foundations of Chemical Engineering</i> , 2015 , 49, 502-511	0.9	7
112	A study of methane adsorption and accumulation on microporous carbon adsorbent in a wide temperature range. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2016 , 52, 762-770	0.9	7
111	Deformation of AUK microporous carbon adsorbent induced by xenon adsorption. <i>Colloid Journal</i> , 2015 , 77, 812-820	1.1	7
110	Krypton adsorption on microporous adsorbents at higher pressures. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2010 , 46, 639-643	0.9	7
109	A technique for measuring an adsorption-induced deformation. <i>Instruments and Experimental Techniques</i> , 2008 , 51, 150-155	0.5	7
108	Determination of the parameters of the microprobe structure of solid adsorbents. Communication 1. Method of determination of the specific volume of totally microporous adsorbents. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1986 , 35, 256-259		7
107	Investigation of the adsorption of xenon on NaX zeolite within a broad range of pressures and temperatures. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1975 , 24, 1147-1150		7

106	The Influence of the Structural and Energetic Characteristics of the Microporous Structure of Carbon Adsorbents on Hydrogen Adsorption. <i>Colloid Journal</i> , 2019 , 81, 607-612	1.1	7
105	Functional Composite Adsorbents of High Packing Density Based on Metal-Organic Framework Structures for Methane Accumulation. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2019 , 55, 826-832	0.9	6
104	Wave sorbostriction: Waves of adsorption deformation of microporous adsorbent. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2012 , 48, 158-164	0.9	6
103	The energy of adsorption of methane on microporous carbon adsorbents. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2017 , 53, 780-785	0.9	6
102	Nitrogen adsorption by microporous adsorbents in the range of high pressures and supercritical temperatures. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2010 , 46, 519-523	0.9	6
101	Heterogeneous distribution of adsorbed water molecules in NaX zeolite nanopores from the data of positron spectroscopy. <i>Protection of Metals</i> , 2008 , 44, 358-361		6
100	Simulating of alcohol adsorption in slitlike micropores of active carbon by the molecular dynamics method. <i>Colloid Journal</i> , 2008 , 70, 486-496	1.1	6
99	Description of NaX zeolite deformation during adsorption of xenon. <i>Russian Chemical Bulletin</i> , 1999 , 48, 1864-1866	1.7	6
98	Discrete site model for methane adsorption on microporous adsorbents. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1990 , 39, 867-870		6
97	Methane Adsorption on the Metal-Organic Framework Structure Al-BTC. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2019 , 55, 9-14	0.9	5
96	Monolithic microporous carbon adsorbent for low-temperature natural gas storage. <i>Adsorption</i> , 2019 , 25, 1559-1573	2.6	5
95	Thermodynamics of krypton adsorption on microporous carbon adsorbent at high pressures. <i>Russian Chemical Bulletin</i> , 2017 , 66, 607-613	1.7	5
94	Supramolecular microporous structures based on carbon nanotubes and coordinating cumene (C9H12) molecules. <i>Colloid Journal</i> , 2017 , 79, 701-706	1.1	5
93	Adsorption deformation of a microporous AR-V carbon adsorbent during the adsorption of n-hexane. <i>Russian Journal of Physical Chemistry A</i> , 2011 , 85, 1960-1964	0.7	5
92	Hydrogen adsorption on nanoporous carbon adsorbents prepared from furfuraldehyde by thermochemical synthesis. <i>Colloid Journal</i> , 2008 , 70, 372-376	1.1	5
91	Self-organization of supramolecular microporous structures based on carbon nanotubes and benzene. <i>Colloid Journal</i> , 2016 , 78, 800-807	1.1	5
90	Hydrogen (H ₂) Adsorption in Model Carbon Adsorbents with Slitlike Micropores. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2018 , 54, 754-762	0.9	5
89	Adsorption-Induced Deformation of Adsorbents. <i>Colloid Journal</i> , 2018 , 80, 578-586	1.1	5

88	Methane Adsorption in Microporous Carbon Adsorbent LCN Obtained by Thermochemical Synthesis from Lignocellulose. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2019 , 55, 211-216 ^{0.9}	4
87	Methane Adsorption in Microporous Carbon Adsorbent with a Bimodal Pore Size Distribution. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2020 , 56, 1-5	0.9 4
86	Measurements of Adsorption and Thermal Deformations of Microporous Carbon Adsorbents. <i>Measurement Techniques</i> , 2018 , 60, 1051-1057	0.4 4
85	Adsorption of Neon in Model Carbon Microporous Adsorbents with Slit-Like Micropores. <i>Russian Journal of Physical Chemistry A</i> , 2018 , 92, 552-558	0.7 4
84	Adsorption deformation of a microporous AR-V carbon adsorbent during the adsorption of benzene. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2012 , 48, 398-401	0.9 4
83	Adsorption of hydrogen on nanoporous carbon adsorbents. <i>Russian Chemical Bulletin</i> , 2009 , 58, 712-716 ^{1.7}	4
82	Adsorption of n-pentane on a microporous carbon adsorbent with a narrow pore size distribution. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2010 , 46, 184-190	0.9 4
81	Thermodynamics of the adsorption of methane on NaX zeolite. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1986 , 35, 252-255	4
80	Adsorption of a liquid on a microporous adsorbent along the liquid-vapor equilibrium line. Communication 2. Average density of adsorbed substances in a microporous adsorbent. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1986 , 35, 1116-1120	4
79	Statistical thermodynamics of the adsorption equilibrium for zeolites in the cell model approximation. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1987 , 36, 2176-2179	4
78	State of an adsorbed substance in the micropores of zeolites at high degrees of filling. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1982 , 31, 1071-1077	4
77	Heats of adsorption and heat capacity of the system Xenon-NaX zeolite. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1975 , 24, 1813-1816	4
76	Model Nanoporous Supramolecular Structures Based on Carbon Nanotubes and Hydrocarbons for Methane and Hydrogen Adsorption. <i>Colloid Journal</i> , 2018 , 80, 739-750	1.1 4
75	Synthesis and studies of thermal stability of NaK-, K-, Na-, and Li forms of LSX zeolite. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2015 , 51, 767-772	0.9 3
74	Ethane adsorption on microporous carbon adsorbent with a wide pore size distribution. <i>Russian Chemical Bulletin</i> , 2019 , 68, 1838-1842	1.7 3
73	Carbon adsorbents used for gold recovery technology with cyanide. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2014 , 50, 689-693	0.9 3
72	Adsorption of carbon dioxide on microporous carbon adsorbents. <i>Russian Chemical Bulletin</i> , 2009 , 58, 733-736	1.7 3
71	Xenon adsorption on microporous adsorbents at higher pressures. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2010 , 46, 644-647	0.9 3

70	Modeling of the adsorption deformation of microporous adsorbents interacting with gases and vapors. <i>Russian Physics Journal</i> , 2005 , 48, 1134-1141	0.7	3
69	Adsorption of carbon dioxide on microporous carbon adsorbent PAU-10. <i>Russian Chemical Bulletin</i> , 2001 , 50, 591-594	1.7	3
68	Calculation of adsorption equilibria of individual compounds on microporous adsorbents in a supercritical temperature range. <i>Russian Chemical Bulletin</i> , 1993 , 42, 1606-1608	1.7	3
67	Adsorption Accumulation of Liquefied Natural Gas Vapors. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2020 , 56, 897-903	0.9	3
66	Description of Adsorption-Stimulated Deformation of Microporous Adsorbents Based on Generalized Potential of Intermolecular Interactions (6, n). <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2016 , 52, 193-198	0.9	3
65	Methane Adsorption on Cu-BTC110 Metal-Organic Framework. <i>Russian Journal of Inorganic Chemistry</i> , 2019 , 64, 1507-1512	1.5	3
64	Deformation of AUK Adsorbent and Adsorbate Structure upon n-Octane Adsorption. <i>Colloid Journal</i> , 2019 , 81, 613-620	1.1	3
63	Functional Composite Adsorbents Based on Metal-Organic Frameworks in a Carbon Matrix Applied for Methane Storage. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2019 , 55, 1080-1084	0.9	3
62	Measurement of Vapor Sorption on a Composite Film Based on Latex and Activated Carbon Using a Quartz Crystal Microbalance. <i>Measurement Techniques</i> , 2017 , 59, 1120-1124	0.4	2
61	Wave sorbostriction of AP-B recuperated carbon adsorbent during adsorption of vapors of organic substances. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2015 , 51, 49-56	0.9	2
60	Hydrogen adsorption on model nanoporous carbon adsorbents. <i>Protection of Metals</i> , 2008 , 44, 150-156		2
59	Adsorption of perfluoropropane on the PAC microporous carbon adsorbent. <i>Russian Chemical Bulletin</i> , 2002 , 51, 2161-2164	1.7	2
58	Description of the noninertia of microporous carbon adsorbents in interaction with gases. <i>Journal of Engineering Physics and Thermophysics</i> , 2005 , 78, 1127-1132	0.6	2
57	Two methods of describing adsorption equilibrium. <i>Bulletin of the Russian Academy of Sciences Division of Chemical Science</i> , 1992 , 41, 10-13		2
56	Adsorption heats of hydrogen isotopes on zeolite NaX at elevated pressures. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1986 , 35, 2594-2594		2
55	Construction of characteristic adsorption curves for individual substances on microporous adsorbents and application of the TMVF at supercritical temperatures. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1987 , 36, 11-14		2
54	Thermodynamic ratios in adsorption system: Krypton-zeolite NaX. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1977 , 26, 2606-2609		2
53	Zr-Based MetalOrganic Nanoporous Adsorbents of High Density for Methane Storage. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2020 , 56, 1114-1121	0.9	2

52	Calculation of the Adsorptive Deformation of a Microporous Adsorbent. <i>Russian Journal of Physical Chemistry A</i> , 2008 , 82, 325-327	0.7	2
51	High-Density Carbon Adsorbents for Natural Gas Storage. <i>Colloid Journal</i> , 2020 , 82, 719-726	1.1	2
50	Estimation of adsorption of ethane on the superactive microporous carbon adsorbent using the theory of volume filling of micropores. <i>Russian Chemical Bulletin</i> , 2020 , 69, 2091-2096	1.7	2
49	Adsorption-Induced and Thermal Deformation of Microporous Carbon Adsorbent upon n-Octane Adsorption. <i>Colloid Journal</i> , 2019 , 81, 797-803	1.1	2
48	The influence of mechanical activation on the adsorption properties of powdered tungsten. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2015 , 51, 81-84	0.9	1
47	Features of Gas, Vapor, and Liquid Adsorption by Microporous Adsorbents. <i>Russian Journal of Physical Chemistry A</i> , 2020 , 94, 516-525	0.7	1
46	Molecular nanostructures of alcohols adsorbed in micropores of active carbons. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2013 , 49, 158-165	0.9	1
45	High-pressure methane accumulation in a carbon fibrous sorbent. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2017 , 53, 612-617	0.9	1
44	Adsorption of tetrachloride carbon on microporous AP-B carbon sorbent. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2011 , 47, 162-166	0.9	1
43	Hydrogen adsorption on model adsorbents from the viewpoint of the theory of volumetric filling of micropores. <i>Russian Chemical Bulletin</i> , 2009 , 58, 706-711	1.7	1
42	Hydrogen adsorption on a carbon adsorbent with slitlike micropores below and above the critical temperature. <i>Colloid Journal</i> , 2008 , 70, 112-117	1.1	1
41	Molecular dynamic calculation of isotherms of alcohol adsorption in model pores of active carbon. <i>Colloid Journal</i> , 2008 , 70, 497-500	1.1	1
40	Use of the Lennard-Jones potential in modeling the absorption deformation of microporous carbon adsorbents. <i>Journal of Engineering Physics and Thermophysics</i> , 2006 , 79, 276-282	0.6	1
39	Heats of xenon adsorption on NaX zeolite at high pressures and various temperatures. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1991 , 40, 205-208		1
38	Investigation of the sorption of water vapor on cation-substituted vermiculite. 2. Thermodynamic description of sorption equilibria. <i>Bulletin of the Russian Academy of Sciences Division of Chemical Science</i> , 1992 , 41, 987-991		1
37	Adsorption studies of organosubstituted laminar silicates. 1. Adsorption deformation of organosubstituted laminar silicates. <i>Bulletin of the Russian Academy of Sciences Division of Chemical Science</i> , 1992 , 41, 1537-1542		1
36	Heats of adsorption of xenon and krypton on NaX zeolite at high pressures. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1989 , 38, 1268-1270		1
35	The thermodynamics of the adsorption of xenon and argon on zeolite NaX at high pressures. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1989 , 38, 1967-1969		1

34	Adsorption of gases, vapors and liquids in zeolites at high pressures. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1990 , 39, 439-443		1
33	Temperature dependence of helium adsorption on NaX and NaA zeolites. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1987 , 36, 1355-1359		1
32	Adsorption on a microporous adsorbent along the liquid-vapor equilibrium curve (NaX zeolite-water). <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1979 , 28, 2237-2241 ¹		1
31	Liquid adsorption on microporous adsorbents under liquid-vapor equilibrium Communication 1. Hydrocarbons-NaX zeolite. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1983 , 32, 444-448		1
30	Study of adsorption of chlorotrifluoromethane on zeolite NaX in a broad range of pressures and temperatures. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1974 , 23, 2026-2028 ¹		1
29	Adsorption of krypton and xenon on zeolite NaX. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1978 , 27, 176-178		1
28	Methane Adsorption on FBDC Metal-Organic Porous Structures at High Pressures. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2020 , 56, 682-687	0.9	1
27	Carbon Nanoporous Adsorbents Prepared from Walnut Shell for Liquefied Natural Gas Vapor Recovery in Cryogenic Storage Systems. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2020 , 56, 1122-1133	0.9	1
26	The Influence of Solvent Vapors on the Rheological Properties and Permeability of Butadiene-Styrene Films Studied by Quartz Acoustic Gravimetry. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2018 , 54, 609-616	0.9	1
25	Adsorption Properties of a Functional Porous Material Based on a Zn-BTB Metal-Organic Framework Structure. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2022 , 58, 6-12	0.9	1
24	Sorption restriction of FAS-3 microporous carbon adsorbent upon vapor adsorption from a flow of nitrogen carrier gas. <i>Colloid Journal</i> , 2017 , 79, 773-778	1.1	0
23	Thermodynamics of Methane Adsorption in a Microporous Carbon Adsorbent Prepared From Polymer Composition. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2021 , 57, 883-889	0.9	0
22	Methane Adsorption on Microporous Carbon Adsorbent Prepared from Thermochemically Activated Wood. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2021 , 57, 17-21	0.9	0
21	The MIL-125 Metal-Organic Framework Structure for Adsorption-Based Accumulation of Methane and Hydrogen. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2021 , 57, 672-679	0.9	0
20	Thermodynamics of methane adsorption on carbon adsorbent prepared from mineral coal. <i>Adsorption</i> , 2021 , 27, 1095	2.6	0
19	Adsorption of Carbon Dioxide onto Model Carbon Structures with Slitlike Micropores. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2021 , 57, 1105-1114	0.9	0
18	Hypercrosslinked Polycondensation Networks: Copolymers of p-Xylylene Dichloride. <i>Polymer Science - Series B</i> , 2018 , 60, 91-98	0.8	
17	Quartz Sorption Sensors for Aceton Vapor. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2019 , 55, 803-806	0.9	

- 16 Carbon Fiber Sorbents for Gas Accumulation at High Pressures. *Fibre Chemistry*, **2017**, 49, 43-46 0.6
- 15 Molecular nanostructures of adsorbed diols. *Colloid Journal*, **2012**, 74, 731-738 1.1
- 14 Calculation of the adsorption deformation of a microporous adsorbent. *Journal of Engineering Physics and Thermophysics*, **2009**, 82, 533-536 0.6
- 13 New approach to precise determination of the capacity of an adsorption monolayer. *Colloid Journal*, **2006**, 68, 654-654 1.1
- 12 Adsorption studies of organosubstituted laminated silicates. *Russian Chemical Bulletin*, **1995**, 44, 1419-1421 0.6
- 11 Sorption of water vapor on cation-substituted vermiculite. *Bulletin of the Russian Academy of Sciences Division of Chemical Science*, **1992**, 41, 23-28 1.1
- 10 Application of the modified volumetric micropore occupancy theory equation for the description of methane adsorption on a microporous carbon adsorbent. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1989**, 38, 858-860 0.6
- 9 Gas adsorption heats at elevated pressures. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1987**, 36, 1535-1537 1.1
- 8 Application of the volumetric micropore occupancy theory for the description of methane adsorption on a microporous carbon adsorbent. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1988**, 37, 2380-2382 0.6
- 7 Adsorption heats of chlorotrifluoromethane on zeolite NaX. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1974**, 23, 2029-2031 1.1
- 6 Heat capacity of chlorotrifluoromethane, sorbed by zeolite NaX. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1974**, 23, 2032-2033 0.6
- 5 Thermal equation of adsorption and adsorption equilibrium in the system Xenon-NaX zeolite. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1975**, 24, 1817-1822 1.1
- 4 Adsorption of Propane on a Supermicroporous Carbon Adsorbent with a Wide Pore Size Distribution under Conditions of Subcritical Temperatures. *Protection of Metals and Physical Chemistry of Surfaces*, **2021**, 57, 271-276 0.9
- 3 New hydrophobic materials based on poly(tetrafluoroethylene-co-vinylidene fluoride) fiber. *Inorganic Materials: Applied Research*, **2016**, 7, 292-299 0.6
- 2 Supramolecular nanoporous carbon materials based on the arrays of carbon nanotubes, ordered by cyclic hydrocarbons for methane and hydrogen storage. *Materials Today: Proceedings*, **2018**, 5, 25911-25915 1.4
- 1 Adsorption of the Main Components of Air N₂ and O₂ on Cation-Exchange Forms of LSX Zeolite. *Protection of Metals and Physical Chemistry of Surfaces*, **2022**, 58, 269-274 0.9