

Anatolii A Fomkin

List of Publications by Year in Descending Order

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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 Properties of a Functional Porous Material Based on a ZnBTB Metal-Organic Framework Structure. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2022 , 58, 6-12	0.9	1
158	Adsorption of the Main Components of Air N ₂ and O ₂ on Cation-Exchange Forms of LSX Zeolite. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2022 , 58, 269-274	0.9	
157	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
156	Adsorption of Propane on a Supermicroporous Carbon Adsorbent with a Wide Pore Size Distribution under Conditions of Subcritical Temperatures. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2021 , 57, 271-276	0.9	
155	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
154	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
153	Thermodynamics of methane adsorption on carbon adsorbent prepared from mineral coal. <i>Adsorption</i> , 2021 , 27, 1095	2.6	0
152	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
151	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
150	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
149	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
148	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
147	Zr-Based Metal-Organic 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
146	High-Density Carbon Adsorbents for Natural Gas Storage. <i>Colloid Journal</i> , 2020 , 82, 719-726	1.1	2
145	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
144	Adsorption Accumulation of Liquefied Natural Gas Vapors. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2020 , 56, 897-903	0.9	3
143	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

142	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
141	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
140	Quartz Sorption Sensors for Aceton Vapor. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2019 , 55, 803-806	0.9	
139	Monolithic microporous carbon adsorbent for low-temperature natural gas storage. <i>Adsorption</i> , 2019 , 25, 1559-1573	2.6	5
138	Ethane adsorption on microporous carbon adsorbent with a wide pore size distribution. <i>Russian Chemical Bulletin</i> , 2019 , 68, 1838-1842	1.7	3
137	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
136	Metal-organic framework structures: adsorbents for natural gas storage. <i>Russian Chemical Reviews</i> , 2019 , 88, 925-978	6.8	33
135	Adsorption-Induced and Thermal Deformation of Microporous Carbon Adsorbent upon n-Octane Adsorption. <i>Colloid Journal</i> , 2019 , 81, 797-803	1.1	2
134	Methane Adsorption on Cu-BTC110 Metal-Organic Framework. <i>Russian Journal of Inorganic Chemistry</i> , 2019 , 64, 1507-1512	1.5	3
133	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
132	Deformation of AUK Adsorbent and Adsorbate Structure upon n-Octane Adsorption. <i>Colloid Journal</i> , 2019 , 81, 613-620	1.1	3
131	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
130	Measurements of Adsorption and Thermal Deformations of Microporous Carbon Adsorbents. <i>Measurement Techniques</i> , 2018 , 60, 1051-1057	0.4	4
129	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
128	Measurement of Carbon-Nanotube Adsorption of Energy-Carrier Gases for Alternative Energy Systems. <i>Measurement Techniques</i> , 2018 , 61, 395-401	0.4	11
127	Hypercrosslinked Polycondensation Networks: Copolymers of p-Xylylene Dichloride. <i>Polymer Science - Series B</i> , 2018 , 60, 91-98	0.8	
126	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
125	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

124	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
123	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
122	Supramolecular nanoporous carbon materials based on the arrays of carbon nanotubes, ordered by cyclic hydrocarbons for methane and hydrogen storage. <i>Materials Today: Proceedings</i> , 2018 , 5, 25911-25915	1.4	1
121	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
120	Optimization of structural and energy characteristics of adsorbents for methane storage. <i>Russian Chemical Bulletin</i> , 2018 , 67, 1814-1822	1.7	13
119	Porous carbon-based adsorption systems for natural gas (methane) storage. <i>Russian Chemical Reviews</i> , 2018 , 87, 950-983	6.8	30
118	Adsorption-Induced Deformation of Adsorbents. <i>Colloid Journal</i> , 2018 , 80, 578-586	1.1	5
117	Adsorption accumulation of natural gas based on microporous carbon adsorbents of different origin. <i>Adsorption</i> , 2017 , 23, 327-339	2.6	23
116	Methane adsorption on microporous carbon adsorbent with wide pore size distribution. <i>Colloid Journal</i> , 2017 , 79, 144-151	1.1	10
115	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
114	Carbon Fiber Sorbents for Gas Accumulation at High Pressures. <i>Fibre Chemistry</i> , 2017 , 49, 43-46	0.6	
113	Thermodynamics of krypton adsorption on microporous carbon adsorbent at high pressures. <i>Russian Chemical Bulletin</i> , 2017 , 66, 607-613	1.7	5
112	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
111	Supramolecular microporous structures based on carbon nanotubes and coordinating cumene (C ₉ H ₁₂) molecules. <i>Colloid Journal</i> , 2017 , 79, 701-706	1.1	5
110	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
109	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
108	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
107	Description of methane adsorption on microporous carbon adsorbents on the range of supercritical temperatures on the basis of the Dubinin-Astakhov equation. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2016 , 52, 575-580	0.9	11

106	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
105	Measurement of Adsorption of Methane at High Pressures for Alternative Energy Systems. <i>Measurement Techniques</i> , 2016 , 58, 1387-1391	0.4	12
104	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
103	Self-organization of supramolecular microporous structures based on carbon nanotubes and benzene. <i>Colloid Journal</i> , 2016 , 78, 800-807	1.1	5
102	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
101	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
100	New hydrophobic materials based on poly(tetrafluoroethylene-co-vinylidene fluoride) fiber. <i>Inorganic Materials: Applied Research</i> , 2016 , 7, 292-299	0.6	
99	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
98	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
97	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
96	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 H ₈ alkanes. <i>Theoretical Foundations of Chemical Engineering</i> , 2015 , 49, 502-511	0.9	7
95	Deformation of AUK microporous carbon adsorbent induced by xenon adsorption. <i>Colloid Journal</i> , 2015 , 77, 812-820	1.1	7
94	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
93	Deformation of AUK microporous carbon adsorbent induced by krypton adsorption. <i>Colloid Journal</i> , 2014 , 76, 351-357	1.1	10
92	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
91	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
90	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
89	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

88	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
87	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
86	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
85	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
84	A priori calculation of adsorption equilibria on microporous active carbons. <i>Colloid Journal</i> , 2012 , 74, 366-372	1.1	10
83	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
82	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
81	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
80	Molecular nanostructures of adsorbed diols. <i>Colloid Journal</i> , 2012 , 74, 731-738	1.1	
79	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
78	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
77	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
76	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
75	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
74	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
73	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
72	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
71	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

70	Adsorption of hydrogen on nanoporous carbon adsorbents. <i>Russian Chemical Bulletin</i> , 2009 , 58, 712-716	1.7	4
69	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
68	Adsorption of carbon dioxide on microporous carbon adsorbents. <i>Russian Chemical Bulletin</i> , 2009 , 58, 733-736	1.7	3
67	Calculation of the adsorption deformation of a microporous adsorbent. <i>Journal of Engineering Physics and Thermophysics</i> , 2009 , 82, 533-536	0.6	
66	Nanoporous materials and their adsorption properties. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2009 , 45, 121-136	0.9	18
65	Deformation of AUK microporous carbon adsorbent induced by methane adsorption. <i>Colloid Journal</i> , 2009 , 71, 119-124	1.1	25
64	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
63	Wave sorbostriction in adsorption of gases and vapors. <i>Doklady Physical Chemistry</i> , 2008 , 423, 292-296	0.8	8
62	A technique for measuring an adsorption-induced deformation. <i>Instruments and Experimental Techniques</i> , 2008 , 51, 150-155	0.5	7
61	Thermodynamics of methane adsorption on the microporous carbon adsorbent ACC. <i>Russian Chemical Bulletin</i> , 2008 , 57, 1799-1805	1.7	13
60	Hydrogen adsorption on model nanoporous carbon adsorbents. <i>Protection of Metals</i> , 2008 , 44, 150-156		2
59	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
58	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
57	Hydrogen adsorption on nanoporous carbon adsorbents prepared from furfuraldehyde by thermochemical synthesis. <i>Colloid Journal</i> , 2008 , 70, 372-376	1.1	5
56	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
55	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
54	Methane adsorption on AUK microporous carbon adsorbent. <i>Colloid Journal</i> , 2008 , 70, 796-801	1.1	19
53	Calculation of the Adsorptive Deformation of a Microporous Adsorbent. <i>Russian Journal of Physical Chemistry A</i> , 2008 , 82, 325-327	0.7	2

52	Analysis of adsorption isosteres of gas and vapor on microporous adsorbents. <i>Russian Chemical Bulletin</i> , 2007 , 56, 393-396	1.7	9
51	New approach to precise determination of the capacity of an adsorption monolayer. <i>Colloid Journal</i> , 2006 , 68, 654-654	1.1	
50	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
49	Adsorption of Gases, Vapors and Liquids by Microporous Adsorbents. <i>Adsorption</i> , 2005 , 11, 425-436	2.6	99
48	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
47	Carbon dioxide adsorption on the microporous ACC carbon adsorbent. <i>Russian Chemical Bulletin</i> , 2005 , 54, 1373-1377	1.7	10
46	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
45	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
44	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
43	Adsorption-stimulated deformation of microporous carbon adsorbent. <i>Russian Chemical Bulletin</i> , 2003 , 52, 354-358	1.7	17
42	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
41	Adsorption of perfluoropropane on the PAC microporous carbon adsorbent. <i>Russian Chemical Bulletin</i> , 2002 , 51, 2161-2164	1.7	2
40	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
39	Adsorption of carbon dioxide on microporous carbon adsorbent PAU-10. <i>Russian Chemical Bulletin</i> , 2001 , 50, 591-594	1.7	3
38	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
37	Description of NaX zeolite deformation during adsorption of xenon. <i>Russian Chemical Bulletin</i> , 1999 , 48, 1864-1866	1.7	6
36	Adsorption deformation of zeolite NaX at high pressures of xenon. <i>Russian Chemical Bulletin</i> , 1996 , 45, 321-323	1.7	10
35	Adsorption studies of organosubstituted laminated silicates. <i>Russian Chemical Bulletin</i> , 1995 , 44, 1419-1421		

34	High-Pressure Adsorption of Xe on NaX Zeolite by Microcalorimetry and Isotheric Analysis. <i>Journal of Colloid and Interface Science</i> , 1994 , 162, 279-283	9.3	19
33	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
32	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
31	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
30	Two methods of describing adsorption equilibrium. <i>Bulletin of the Russian Academy of Sciences Division of Chemical Science</i> , 1992 , 41, 10-13		2
29	Sorption of water vapor on cation-substituted vermiculite. <i>Bulletin of the Russian Academy of Sciences Division of Chemical Science</i> , 1992 , 41, 23-28		
28	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
27	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
26	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
25	Application of the modified volumetric micropore occupancy theory equation for the description of methane adsorption on a microporous carbon adsorbent. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1989 , 38, 858-860		
24	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
23	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
22	Application of the volumetric micropore occupancy theory for the description of methane adsorption on a microporous carbon adsorbent. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1988 , 37, 2380-2382		
21	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
20	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
19	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
18	Gas adsorption heats at elevated pressures. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1987 , 36, 1535-1537		
17	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

- 16 Determination of the parameters of the microprobe structure of solid adsorbents. Communication 1. Method of determination of the specific volume of totally microporous adsorbents. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1986**, 35, 256-259 7
- 15 Methane adsorption on a microporous carbon adsorbent in the precritical and hypercritical regions. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1986**, 35, 847-849 12
- 14 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. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1986**, 35, 1116-1120 4
- 13 Adsorption heats of hydrogen isotopes on zeolite NaX at elevated pressures. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1986**, 35, 2594-2594 2
- 12 Adsorption of methane on NaX zeolite in the subcritical and supercritical regions. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1985**, 34, 886-890 8
- 11 Liquid adsorption on microporous adsorbents under liquid-vapor equilibrium Communication 1. Hydrocarbons-NaX zeolite. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1983**, 32, 444-448 1
- 10 State of an adsorbed substance in the micropores of zeolites at high degrees of filling. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1982**, 31, 1071-1077 4
- 9 Adsorption on a microporous adsorbent along the liquid-vapor equilibrium curve (NaX zeolite-water). *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1979**, 28, 2237-2241¹
- 8 Adsorption of krypton and xenon on zeolite NaX. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1978**, 27, 176-178 1
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