Anatolii A Fomkin

List of Publications by Year
in descending order

160	1,430	393982	500791
papers	citations	19 h-index	28 g-index

160	160	160	520
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Adsorption of Gases, Vapors and Liquids by Microporous Adsorbents. Adsorption, 2005, 11, 425-436.	1.4	121
2	Metal-organic framework structures: adsorbents for natural gas storage. Russian Chemical Reviews, 2019, 88, 925-978.	2.5	57
3	Adsorption and deformation phenomena at the interaction of CO2 and a microporous carbon adsorbent. Journal of Colloid and Interface Science, 2003, 268, 33-36.	5.0	51
4	Porous carbon-based adsorption systems for natural gas (methane) storage. Russian Chemical Reviews, 2018, 87, 950-983.	2.5	48
5	Deformation of AUK microporous carbon adsorbent induced by methane adsorption. Colloid Journal, 2009, 71, 119-124.	0.5	36
6	Adsorption and adsorption-induced deformation of NaX zeolite under high pressures of carbon dioxide. Russian Chemical Bulletin, 2001, 50, 60-62.	0.4	30
7	Experimental study and numerical modeling: Methane adsorption in microporous carbon adsorbent over the subcritical and supercritical temperature regions. Protection of Metals and Physical Chemistry of Surfaces, 2016, 52, 955-963.	0.3	30
8	Adsorption accumulation of natural gas based on microporous carbon adsorbents of different origin. Adsorption, 2017, 23, 327-339.	1.4	30
9	Adsorption concentration of methane. Dependence of adsorbate density on the width of slit-shaped micropores in activated carbons. Protection of Metals and Physical Chemistry of Surfaces, 2014, 50, 173-177.	0.3	26
10	Methane adsorption on AUK microporous carbon adsorbent. Colloid Journal, 2008, 70, 796-801.	0.5	25
11	High-Pressure Adsorption of Xe on NaX Zeolite by Microcalorimetry and Isosteric Analysis. Journal of Colloid and Interface Science, 1994, 162, 279-283.	5.0	23
12	Measurement of Carbon-Nanotube Adsorption of Energy-Carrier Gases for Alternative Energy Systems. Measurement Techniques, 2018, 61, 395-401.	0.2	23
13	Adsorption-stimulated deformation of microporous carbon adsorbent. Russian Chemical Bulletin, 2003, 52, 354-358.	0.4	22
14	Adsorption and deformation phenomena at interaction of N2 and microporous carbon adsorbent. Journal of Colloid and Interface Science, 2004, 280, 305-308.	5.0	22
15	Theoretical calculation of the isotherms of adsorption on active coals using the molecular dynamics method. Protection of Metals and Physical Chemistry of Surfaces, 2011, 47, 150-155.	0.3	22
16	Methane adsorption on microporous carbon adsorbents in the region of supercritical temperatures. Protection of Metals and Physical Chemistry of Surfaces, 2015, 51, 493-498.	0.3	21
17	Optimization of structural and energy characteristics of adsorbents for methane storage. Russian Chemical Bulletin, 2018, 67, 1814-1822.	0.4	21
18	Nanoporous materials and their adsorption properties. Protection of Metals and Physical Chemistry of Surfaces, 2009, 45, 121-136.	0.3	19

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19	Adsorption of methane on AU-1 microporous carbon adsorbent. Protection of Metals and Physical Chemistry of Surfaces, 2012, 48, 614-619.	0.3	19
20	Thermodynamics of methane adsorption on the microporous carbon adsorbent ACC. Russian Chemical Bulletin, 2008, 57, 1799-1805.	0.4	18
21	Adsorption deformation in the microporous carbon adsorbent-benzene system and porous structure of adsorbents. Russian Chemical Bulletin, 2000, 49, 1012-1016.	0.4	17
22	Low-temperature adsorption of methane on microporous AU-1 carbon adsorbent. Protection of Metals and Physical Chemistry of Surfaces, 2014, 50, 15-21.	0.3	17
23	Thermodynamics of adsorption of krypton, xenon, nitrogen, and oxygen on microporous active carbon at temperatures above critical values. Protection of Metals and Physical Chemistry of Surfaces, 2013, 49, 367-372.	0.3	16
24	Description of methane adsorption on microporous carbon adsorbents on the range of supercritical temperatures on the basis of the Dubininâ€“Astakhov equation. Protection of Metals and Physical Chemistry of Surfaces, 2016, 52, 575-580.	0.3	16
25	Measurement of Adsorption of Methane at High Pressures for Alternative Energy Systems. Measurement Techniques, 2016, 58, 1387-1391.	0.2	15
26	Synthesis and Structural-Energy Characteristics of Fe-BDC Metal-Organic Frameworks. Protection of Metals and Physical Chemistry of Surfaces, 2018, 54, 1004-1009.	0.3	15
27	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.	0.0	14
28	Analysis of adsorption isosteres of gas and vapor on microporous adsorbents. Russian Chemical Bulletin, 2007, 56, 393-396.	0.4	14
29	Adsorption of methane on an MOF-199 organometallic framework structure at high pressures in the range of supercritical temperatures. Protection of Metals and Physical Chemistry of Surfaces, 2016, 52, 24-29.	0.3	14
30	Thermodynamics of CO2 adsorption on zeolite NaX in wide intervals of pressures and temperatures. Russian Chemical Bulletin, 2004, 53, 1630-1634.	0.4	13
31	Hydrogen adsorption on model adsorbents in terms of volume filling of micropores: II. Hydrogen adsorption in the space between Single-Wall carbon nanotubes. Colloid Journal, 2009, 71, 877-881.	0.5	13
32	Deformation of AUK microporous carbon adsorbent induced by krypton adsorption. Colloid Journal, 2014, 76, 351-357.	0.5	13
33	Adsorption deformation of zeolite NaX at high pressures of xenon. Russian Chemical Bulletin, 1996, 45, 321-323.	0.4	12
34	Theory of volume filling of micropores applied to the description of methane adsorption on the microporous carbon adsorbent AUK. Russian Chemical Bulletin, 2009, 58, 717-721.	0.4	12
35	Adsorption-induced deformation of AUK microporous carbon adsorbent in adsorption of n-pentane. Protection of Metals and Physical Chemistry of Surfaces, 2011, 47, 555-561.	0.3	12
36	Methane adsorption on microporous carbon adsorbent with wide pore size distribution. Colloid Journal, 2017, 79, 144-151.	0.5	12

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37	The energy of adsorption of methane on microporous carbon adsorbents. Protection of Metals and Physical Chemistry of Surfaces, 2017, 53, 780-785.	0.3	12
38	Carbon dioxide adsorption on the microporous ACC carbon adsorbent. Russian Chemical Bulletin, 2005, 54, 1373-1377.	0.4	11
39	A technique for measuring an adsorption-induced deformation. Instruments and Experimental Techniques, 2008, 51, 150-155.	0.1	11
40	Adsorption of methane on AU-5 microporous carbon adsorbent. Protection of Metals and Physical Chemistry of Surfaces, 2013, 49, 521-527.	0.3	11
41	Adsorption of methane on model adsorbents formed from single-wall carbon nanotubes. Protection of Metals and Physical Chemistry of Surfaces, 2014, 50, 279-286.	0.3	11
42	Monolithic microporous carbon adsorbent for low-temperature natural gas storage. Adsorption, 2019, 25, 1559-1573.	1.4	11
43	Adsorption of Natural Gas Methane on Metal-Organic Framework Structures in the Range of Supercritical Temperatures. Protection of Metals and Physical Chemistry of Surfaces, 2018, 54, 347-353.	0.3	11
44	A priori calculation of adsorption equilibria on microporous active carbons. Colloid Journal, 2012, 74, 366-372.	0.5	10
45	Deformation of AUK microporous carbon adsorbent induced by xenon adsorption. Colloid Journal, 2015, 77, 812-820.	0.5	10
46	A study of methane adsorption and accumulation on microporous carbon adsorbent in a wide temperature range. Protection of Metals and Physical Chemistry of Surfaces, 2016, 52, 762-770.	0.3	10
47	Synthesis and Structureâ€“Energy Characteristics of an MOF Al-BTC Organometallic Framework Structure. Protection of Metals and Physical Chemistry of Surfaces, 2017, 53, 961-966.	0.3	10
48	Adsorption of Hydrogen in Microporous Carbon Adsorbents of Different Origin. Protection of Metals and Physical Chemistry of Surfaces, 2019, 55, 413-419.	0.3	10
49	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.	0.0	9
50	Adsorption deformation of AUK microporous carbon adsorbent at adsorption of n-heptane. Protection of Metals and Physical Chemistry of Surfaces, 2013, 49, 373-378.	0.3	9
51	Adsorption-Induced Deformation of Adsorbents. Colloid Journal, 2018, 80, 578-586.	0.5	9
52	Methane Adsorption on the Metalâ€“Organic Framework Structure Al-BTC. Protection of Metals and Physical Chemistry of Surfaces, 2019, 55, 9-14.	0.3	9
53	The Influence of the Structural and Energetic Characteristics of the Microporous Structure of Carbon Adsorbents on Hydrogen Adsorption. Colloid Journal, 2019, 81, 607-612.	0.5	9
54	Thermodynamics of methane adsorption on carbon adsorbent prepared from mineral coal. Adsorption, 2021, 27, 1095-1107.	1.4	9

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55	Deformation of Microporous Carbon Adsorbent Sorbonorit-4 during Methane Adsorption. Journal of Chemical & Engineering Data, 2022, 67, 1699-1714.	1.0	9
56	Wave sorbostriction in adsorption of gases and vapors. Doklady Physical Chemistry, 2008, 423, 292-296.	0.2	8
57	Krypton adsorption on microporous adsorbents at higher pressures. Protection of Metals and Physical Chemistry of Surfaces, 2010, 46, 639-643.	0.3	8
58	Adsorption Accumulation of Liquefied Natural Gas Vapors. Protection of Metals and Physical Chemistry of Surfaces, 2020, 56, 897-903.	0.3	8
59	Investigation of the adsoeption of xenon on NaX zeolite within a broad range of pressures and temperatures. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1975, 24, 1147-1150.	0.0	7
60	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.	0.0	7
61	Simulating of alcohol adsorption in slitlike micropores of active carbon by the molecular dynamics method. Colloid Journal, 2008, 70, 486-496.	0.5	7
62	Nitrogen adsorption by microporous adsorbents in the range of high pressures and supercritical temperatures. Protection of Metals and Physical Chemistry of Surfaces, 2010, 46, 519-523.	0.3	7
63	Wave sorbostriction: Waves of adsorption deformation of microporous adsorbent. Protection of Metals and Physical Chemistry of Surfaces, 2012, 48, 158-164.	0.3	7
64	Effect of the nature of promoters, the alkaline treatment of ZSM-5 zeolites, and the method of their synthesis on the conversion of C3â€“C4 alkanes. Theoretical Foundations of Chemical Engineering, 2015, 49, 502-511.	0.2	7
65	Supramolecular microporous structures based on carbon nanotubes and coordinating cumene (C9H12) molecules. Colloid Journal, 2017, 79, 701-706.	0.5	7
66	Model Nanoporous Supramolecular Structures Based on Carbon Nanotubes and Hydrocarbons for Methane and Hydrogen Adsorption. Colloid Journal, 2018, 80, 739-750.	0.5	7
67	Functional Composite Adsorbents of High Packing Density Based on Metal-Organic Framework Structures for Methane Accumulation. Protection of Metals and Physical Chemistry of Surfaces, 2019, 55, 826-832.	0.3	7
68	High-Density Carbon Adsorbents for Natural Gas Storage. Colloid Journal, 2020, 82, 719-726.	0.5	7
69	Zr-Based Metalâ€“Organic Nanoporous Adsorbents of High Density for Methane Storage. Protection of Metals and Physical Chemistry of Surfaces, 2020, 56, 1114-1121.	0.3	7
70	Discrete site model for methane adsorption on microporous adsorbents. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1990, 39, 867-870.	0.0	6
71	Description of NaX zeolite deformation during adsorption of xenon. Russian Chemical Bulletin, 1999, 48, 1864-1866.	0.4	6
72	Heterogeneous distribution of adsorbed water molecules in NaX zeolite nanopores from the data of positron spectroscopy. Protection of Metals, 2008, 44, 358-361.	0.2	6

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73	Xenon adsorption on microporous adsorbents at higher pressures. Protection of Metals and Physical Chemistry of Surfaces, 2010, 46, 644-647.	0.3	6
74	Adsorption deformation of a microporous AR-V carbon adsorbent during the adsorption of n-hexane. Russian Journal of Physical Chemistry A, 2011, 85, 1960-1964.	0.1	6
75	Self-organization of supramolecular microporous structures based on carbon nanotubes and benzene. Colloid Journal, 2016, 78, 800-807.	0.5	6
76	Description of Adsorption-Stimulated Deformation of Microporous Adsorbents Based on Generalized Potential of Intermolecular Interactions (6, n). Protection of Metals and Physical Chemistry of Surfaces, 2016, 52, 193-198.	0.3	6
77	Thermodynamics of krypton adsorption on microporous carbon adsorbent at high pressures. Russian Chemical Bulletin, 2017, 66, 607-613.	0.4	6
78	Measurements of Adsorption and Thermal Deformations of Microporous Carbon Adsorbents. Measurement Techniques, 2018, 60, 1051-1057.	0.2	6
79	Hydrogen (H2) Adsorption in Model Carbon Adsorbents with Slitlike Micropores. Protection of Metals and Physical Chemistry of Surfaces, 2018, 54, 754-762.	0.3	6
80	Methane Adsorption on Microporous Carbon Adsorbent Prepared from Thermochemically Activated Wood. Protection of Metals and Physical Chemistry of Surfaces, 2021, 57, 17-21.	0.3	6
81	Carbon Nanoporous Adsorbents Prepared from Walnut Shell for Liquefied Natural Gas Vapor Recovery in Cryogenic Storage Systems. Protection of Metals and Physical Chemistry of Surfaces, 2020, 56, 1122-1133.	0.3	6
82	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.	0.0	5
83	Hydrogen adsorption on nanoporous carbon adsorbents prepared from furaldehyde by thermochemical synthesis. Colloid Journal, 2008, 70, 372-376.	0.5	5
84	Adsorption of n-pentane on a microporous carbon adsorbent with a narrow pore size distribution. Protection of Metals and Physical Chemistry of Surfaces, 2010, 46, 184-190.	0.3	5
85	Adsorption deformation of a microporous AR-V carbon adsorbent during the adsorption of benzene. Protection of Metals and Physical Chemistry of Surfaces, 2012, 48, 398-401.	0.3	5
86	Carbon adsorbents used for gold recovery technology with cyanide. Protection of Metals and Physical Chemistry of Surfaces, 2014, 50, 689-693.	0.3	5
87	Adsorption of Neon in Model Carbon Microporous Adsorbents with Slit-Like Micropores. Russian Journal of Physical Chemistry A, 2018, 92, 552-558.	0.1	5
88	Methane Adsorption in Microporous Carbon Adsorbent LCN Obtained by Thermochemical Synthesis from Lignocellulose. Protection of Metals and Physical Chemistry of Surfaces, 2019, 55, 211-216.	0.3	5
89	Methane Adsorption on Cu-BTC110 Metal-Organic Framework. Russian Journal of Inorganic Chemistry, 2019, 64, 1507-1512.	0.3	5
90	Estimation of adsorption of ethane on the superactive microporous carbon adsorbent using the theory of volume filling of micropores. Russian Chemical Bulletin, 2020, 69, 2091-2096.	0.4	5

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91	Features of Gas, Vapor, and Liquid Adsorption by Microporous Adsorbents. Russian Journal of Physical Chemistry A, 2020, 94, 516-525.	0.1	5
92	Heats of adsorption and heat capacity of the system Xenon-NaX zeolite. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1975, 24, 1813-1816.	0.0	4
93	Thermodynamics of the adsorption of methane on NaX zeolite. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1986, 35, 252-255.	0.0	4
94	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.	0.0	4
95	Statistical thermodynamics of the adsorption equilibrium for zeolites in the cell model approximation. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1987, 36, 2176-2179.	0.0	4
96	Two methods of describing adsorption equilibrium. Bulletin of the Russian Academy of Sciences Division of Chemical Science, 1992, 41, 10-13.	0.0	4
97	Adsorption of carbon dioxide on microporous carbon adsorbent PAU-10. Russian Chemical Bulletin, 2001, 50, 591-594.	0.4	4
98	Adsorption of hydrogen on nanoporous carbon adsorbents. Russian Chemical Bulletin, 2009, 58, 712-716.	0.4	4
99	Ethane adsorption on microporous carbon adsorbent with a wide pore size distribution. Russian Chemical Bulletin, 2019, 68, 1838-1842.	0.4	4
100	Deformation of AUK Adsorbent and Adsorbate Structure upon n-Octane Adsorption. Colloid Journal, 2019, 81, 613-620.	0.5	4
101	Functional Composite Adsorbents Based on Metal-Organic Frameworks in a Carbon Matrix Applied for Methane Storage. Protection of Metals and Physical Chemistry of Surfaces, 2019, 55, 1080-1084.	0.3	4
102	Methane Adsorption in Microporous Carbon Adsorbent with a Bimodal Pore Size Distribution. Protection of Metals and Physical Chemistry of Surfaces, 2020, 56, 1-5.	0.3	4
103	Methane Adsorption on FÐµâ€“BDC Metalâ€“Organic Porous Structures at High Pressures. Protection of Metals and Physical Chemistry of Surfaces, 2020, 56, 682-687.	0.3	4
104	Adsorption of Carbon Dioxide onto Model Carbon Structures with Slitlike Micropores. Protection of Metals and Physical Chemistry of Surfaces, 2021, 57, 1105-1114.	0.3	4
105	Construction of characteristic adsorption curves for individual substances on microporous adsorbents and application of the TMVF at supercritical temperatures. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1987, 36, 11-14.	0.0	3
106	Calculation of adsorption equilibria of individual compounds on microporous adsorbents in a supercritical temperature range. Russian Chemical Bulletin, 1993, 42, 1606-1608.	0.4	3
107	Modeling of the adsorption deformation of microporous adsorbents interacting with gases and vapors. Russian Physics Journal, 2005, 48, 1134-1141.	0.2	3
108	Hydrogen adsorption on model nanoporous carbon adsorbents. Protection of Metals, 2008, 44, 150-156.	0.2	3

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109	Adsorption of carbon dioxide on microporous carbon adsorbents. Russian Chemical Bulletin, 2009, 58, 733-736.	0.4	3
110	The influence of mechanical activation on the adsorption properties of powdered tungsten. Protection of Metals and Physical Chemistry of Surfaces, 2015, 51, 81-84.	0.3	3
111	Synthesis and studies of thermal stability of NaK-, K-, Na-, and Li forms of LSX zeolite. Protection of Metals and Physical Chemistry of Surfaces, 2015, 51, 767-772.	0.3	3
112	Adsorption-Induced and Thermal Deformation of Microporous Carbon Adsorbent upon n-Octane Adsorption. Colloid Journal, 2019, 81, 797-803.	0.5	3
113	The MIL-125 Metalâ€“Organic Framework Structure for Adsorption-Based Accumulation of Methane and Hydrogen. Protection of Metals and Physical Chemistry of Surfaces, 2021, 57, 672-679.	0.3	3
114	Thermodynamics of Methane Adsorption in a Microporous Carbon Adsorbent Prepared From Polymer Composition. Protection of Metals and Physical Chemistry of Surfaces, 2021, 57, 883-889.	0.3	3
115	Calculation of the Adsorptive Deformation of a Microporous Adsorbent. Russian Journal of Physical Chemistry A, 2008, 82, 325-327.	0.1	3
116	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.	0.3	3
117	Thermodynamic ratios in adsorption system: Krypton-zeolite NaX. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1977, 26, 2606-2609.	0.0	2
118	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.	0.0	2
119	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.	0.0	2
120	Adsorption studies of organosubstituted laminar silicates. 1. Adsorption deformation of organosubstituted laminar silicates. Bulletin of the Russian Academy of Sciences Division of Chemical Science, 1992, 41, 1537-1542.	0.0	2
121	Adsorption of perfluoropropane on the PAC microporous carbon adsorbent. Russian Chemical Bulletin, 2002, 51, 2161-2164.	0.4	2
122	Description of the noninertia of microporous carbon adsorbents in interaction with gases. Journal of Engineering Physics and Thermophysics, 2005, 78, 1127-1132.	0.2	2
123	Wave sorbostriction of AP-B recuperated carbon adsorbent during adsorption of vapors of organic substances. Protection of Metals and Physical Chemistry of Surfaces, 2015, 51, 49-56.	0.3	2
124	Measurement of Vapor Sorption on a Composite Film Based on Latex and Activated Carbon Using a Quartz Crystal Microbalance. Measurement Techniques, 2017, 59, 1120-1124.	0.2	2
125	High-pressure methane accumulation in a carbon fibrous sorbent. Protection of Metals and Physical Chemistry of Surfaces, 2017, 53, 612-617.	0.3	2
126	Adsorption Properties of a Functional Porous Material Based on a Znâ€“BTB Metalâ€“Organic Framework Structure. Protection of Metals and Physical Chemistry of Surfaces, 2022, 58, 6-12.	0.3	2

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127	Study of adsorption of chlorotrifluoromethane on zeolite NaX in a broad range of pressures and temperatures. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1974, 23, 2026-2028.	0.0	1
128	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.	0.0	1
129	Adsorption on a microporous adsorbent along the liquid-vapor equilibrium curve (NaX) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 66 2237-2241.	0.0	1
130	Temperature dependence of helium adsorption on Nax and NaA zeolites. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1987, 36, 1355-1359.	0.0	1
131	Heats of adsorption of xenon and krypton on NaX zeolite at high pressures. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1989, 38, 1268-1270.	0.0	1
132	The thermodynamics of the adsorption of xenon and argon on zeolite NaX at high pressures. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1989, 38, 1967-1969.	0.0	1
133	Adsorption of gases, vapors and liquids in zeolites at high pressures. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1990, 39, 439-443.	0.0	1
134	Heats of xenon adsorption on Nax zeolite at high pressures and various temperatures. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1991, 40, 205-208.	0.0	1
135	Investigation of the sorption of water vapor on cation-substituted vermiculite. 2. Thermodynamic description of sorption equilibria. Bulletin of the Russian Academy of Sciences Division of Chemical Science, 1992, 41, 987-991.	0.0	1
136	Use of the Lennard-Jones potential in modeling the absorption deformation of microporous carbon adsorbents. Journal of Engineering Physics and Thermophysics, 2006, 79, 276-282.	0.2	1
137	Hydrogen adsorption on a carbon adsorbent with slitlike micropores below and above the critical temperature. Colloid Journal, 2008, 70, 112-117.	0.5	1
138	Molecular dynamic calculation of isotherms of alcohol adsorption in model pores of active carbon. Colloid Journal, 2008, 70, 497-500.	0.5	1
139	Hydrogen adsorption on model adsorbents from the viewpoint of the theory of volumetric filling of micropores. Russian Chemical Bulletin, 2009, 58, 706-711.	0.4	1
140	Adsorption of tetrachloride carbon on microporous AP-B carbon sorbent. Protection of Metals and Physical Chemistry of Surfaces, 2011, 47, 162-166.	0.3	1
141	Molecular nanostructures of alcohols adsorbed in micropores of active carbons. Protection of Metals and Physical Chemistry of Surfaces, 2013, 49, 158-165.	0.3	1
142	Sorbostriction of FAS-3 microporous carbon adsorbent upon vapor adsorption from a flow of nitrogen carrier gas. Colloid Journal, 2017, 79, 773-778.	0.5	1
143	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.	0.9	1
144	The Influence of Solvent Vapors on the Rheological Properties and Permeability of Butadieneâ€“Styrene Films Studied by Quartz Acoustic Gravimetry. Protection of Metals and Physical Chemistry of Surfaces, 2018, 54, 609-616.	0.3	1

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145	Quartz Sorption Sensors for Aceton Vapor. Protection of Metals and Physical Chemistry of Surfaces, 2019, 55, 803-806.	0.3	1
146	Adsorption heats of chlorotrifluoromethane on zeolite NaX. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1974, 23, 2029-2031.	0.0	0
147	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.	0.0	0
148	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.	0.0	0
149	Gas adsorption heats at elevated pressures. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1987, 36, 1535-1537.	0.0	0
150	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.	0.0	0
151	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.	0.0	0
152	Sorption of water vapor on cation-substituted vermiculite. Bulletin of the Russian Academy of Sciences Division of Chemical Science, 1992, 41, 23-28.	0.0	0
153	Adsorption studies of organosubstituted laminated silicates. Russian Chemical Bulletin, 1995, 44, 1419-1421.	0.4	0
154	New approach to precise determination of the capacity of an adsorption monolayer. Colloid Journal, 2006, 68, 654-654.	0.5	0
155	Calculation of the adsorption deformation of a microporous adsorbent. Journal of Engineering Physics and Thermophysics, 2009, 82, 533-536.	0.2	0
156	Molecular nanostructures of adsorbed diols. Colloid Journal, 2012, 74, 731-738.	0.5	0
157	New hydrophobic materials based on poly(tetrafluoroethylene-co-vinylidene fluoride) fiber. Inorganic Materials: Applied Research, 2016, 7, 292-299.	0.1	0
158	Carbon Fiber Sorbents for Gas Accumulation at High Pressures. Fibre Chemistry, 2017, 49, 43-46.	0.0	0
159	Hypercrosslinked Polycondensation Networks: Copolymers of p-Xylylene Dichloride. Polymer Science - Series B, 2018, 60, 91-98.	0.3	0
160	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.	0.3	0