Abdurakhman Aldiyarov

List of Publications by Year
in descending order

33 papers	180 citations	1163117 8 h-index	1199594 12 g-index
33 all docs	33 docs citations	33 times ranked	109 citing authors

#	Article	IF	Citations
1	Investigation of dynamic glass transitions and structural transformations in cryovacuum condensates of ethanol. Low Temperature Physics, 2009, 35, 251-255.	0.6	18
2	Thermal desorption and IR spectrometric investigation of polyamorphic and polymorphic transformations in cryovacuum condensates of water. Low Temperature Physics, 2007, 33, 472-480.	0.6	16
3	Thermally stimulated transformations in cryovacuum water ices. Low Temperature Physics, 2007, 33, 355-361.	0.6	16
4	IR spectroscopy of ethanol in nitrogen cryomatrices with different concentration ratios. Low Temperature Physics, 2011, 37, 524-531.	0.6	14
5	In Silico Investigation of the Impact of Hole-Transport Layers on the Performance of CH3NH3SnI3 Perovskite Photovoltaic Cells. Crystals, 2022, 12, 699.	2.2	13
6	A Multifaceted Approach for Cryogenic Waste Tire Recycling. Polymers, 2021, 13, 2494.	4.5	11
7	Transformation of cryovacuum condensates of ethanol near the glass transition temperature. Low Temperature Physics, 2013, 39, 714-718.	0.6	9
8	Physical modeling of the formation of clathrate hydrates of methane. Low Temperature Physics, 2015, 41, 429-434.	0.6	8
9	IR-spectroscopy of ethanol formed by recondensation from a nitrogen cryomatrix. Low Temperature Physics, 2011, 37, 718-724.	0.6	7
10	IR spectra of water polyaggregates in a nitrogen cryomatrix. Low Temperature Physics, 2007, 33, 699-703.	0.6	6
11	On the problem of the existence of a supercooled liquid phase of cryovacuum ethanol condensates. Physics of the Solid State, 2012, 54, 1475-1479.	0.6	6
12	Refractive indices and density of cryovacuum-deposited thin films of methane in the vicinity of the Î±-Î²-transition temperature. Low Temperature Physics, 2017, 43, 724-727.	0.6	5
13	IR spectrometric studies of thin film cryovacuum condensates of methane and methane-water mixtures. Low Temperature Physics, 2017, 43, 409-415.	0.6	5
14	Investigation of vapor cryodeposited glasses and glass transition of tetrachloromethane films. Applied Surface Science, 2020, 507, 144857.	6.1	5
15	On the stability of ethanol nanoclusters in a nitrogen cryomatrix. Low Temperature Physics, 2013, 39, 961-966.	0.6	4
16	Structure and phase transition peculiarities in solid nitrous oxide and attempts at their explanation. Low Temperature Physics, 2013, 39, 460-464.	0.6	4
17	Cryoemission of Nitrous Oxide and Ethanol: Dynamic and Energy Characteristics. Journal of Low Temperature Physics, 2017, 187, 71-79.	1.4	4
18	Experimental Investigation of Thermal Conductivity of Meat During Freezing. Journal of Low Temperature Physics, 2017, 187, 172-181.	1.4	3

#	Article	IF	Citations
19	Refractive indices vs deposition temperature of thin films of ethanol, methane and nitrous oxide in the vicinity of their phase transition temperatures. Low Temperature Physics, 2017, 43, 1214-1216.	0.6	3
20	IR Studies of Thermally Stimulated Structural Phase Transformations in Cryovacuum Condensates of Freon 134a. Low Temperature Physics, 2018, 44, 831-839.	0.6	3
21	IR Spectrometry studies of methanol cryovacuum condensates. Low Temperature Physics, 2019, 45, 441-451.	0.6	3
22	Refractive Index at Low Temperature of Tetrachloromethane and Tetrafluoroethane Cryovacuum Condensates. ACS Omega, 2020, 5, 11671-11676.	3.5	3
23	Structural-phase transitions in solid nitrous oxide. Low Temperature Physics, 2012, 38, 1058-1062.	0.6	2
24	Dynamic characteristics of light emission accompanying cryocondensation of nitrous oxide and ethanol. Low Temperature Physics, 2015, 41, 547-550.	0.6	2
25	Structure transformations in thin films of CF3-CFH2 cryodeposites. Is there a glass transition and what is the value of Tg?. Applied Surface Science, 2018, 446, 196-200.	6.1	2
26	The study of thermophysical properties of rubber and plastic household waste to determine the temperature conditions of cryoprocessing. Applied Surface Science, 2020, 511, 145487.	6.1	2
27	On thermal stability of cryovacuum deposited CH4+H2O films. Low Temperature Physics, 2020, 46, 1121-1124.	0.6	2
28	On stability of water and heavy-water nanoclusters in a nitrogen cryomatrix. Low Temperature Physics, 2014, 40, 1002-1007.	0.6	1
29	Molecular dynamics simulation of thermodynamic and transport properties of H-bonded low-temperature substances. Low Temperature Physics, 2015, 41, 454-458.	0.6	1
30	Polarizability of Methane Deposits. Journal of Low Temperature Physics, 2017, 187, 749-756.	1.4	1
31	RESEARCH OF DYNAMICS OF MEAT FREEZING AT VARIOUS INTENSITIES OF CRYOTREATMENT. Journal of Enhanced Heat Transfer, 2018, 25, 137-142.	1.1	1
32	IR Studies of the Spinâ€"Nuclear Conversion in the Vicinity of $$alpha $$ Î± - $$eta $$ Î² - Transition in Cryodeposited Methane Films. Journal of Low Temperature Physics, 2017, 187, 742-748.	1.4	0
33	Vibrational spectroscopy of thin film condensates of ethanol mixture with inert gase. Recent Contributions To Physics, 2021, 78, 24-33.	0.1	0