

Murat S Tagirov

List of Publications by Year in descending order

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840776

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#	ARTICLE	IF	CITATIONS
1	Determination of pores properties in rocks by means of helium-3 NMR: A case study of oil-bearing arkosic conglomerate from North belt of crude oil, Republic of Cuba. <i>Journal of Petroleum Science and Engineering</i> , 2022, 210, 110010.	4.2	6
2	The ^3He nuclear magnetic relaxation in nematically ordered Al_2O_3 aerogels: effects of ^4He and nitrogen pre-plating. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 195805.	1.8	1
3	Helium-3 NMR study of magnetic ordering in the two-dimensional square-lattice antimonate $\text{NaMnSb}_2\text{O}_7$. <i>Physical Review B</i> , 2020, 101, 104407.	3.2	4
4	Anisotropic reduced diffusion in dilute liquid ^3He - ^4He mixture in ordered aerogel. <i>Journal of Physics Condensed Matter</i> , 2020, 33, 065101.	1.8	1
5	Angstrom-scale probing of paramagnetic centers location in nanodiamonds by ^3He NMR at low temperatures. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 1476-1484.	2.8	11
6	Reply to "Comment on "Angstrom-scale probing of paramagnetic centers location in nanodiamonds by ^3He NMR at low temperatures" by A. Shames, V. Osipov and A. Panich, <i>Phys. Chem. Chem. Phys.</i> 2018, 20, 27697-27699. DOI: 10.1039/c8cp03331e. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 27697-27699.	2.8	0
7	The self-assembly of DyF ₃ nanoparticles synthesized by chloride-based route. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	1.9	6
8	From Current Researches to Future Applications. <i>Applied Magnetic Resonance</i> , 2018, 49, 533-536.	1.2	2
9	Spin Kinetics of Liquid ^3He in Contact with a DyF ₃ Micropowder at Ferromagnetic Ordering of Dy ³⁺ Ions. <i>JETP Letters</i> , 2018, 107, 111-114.	1.4	9
10	The Calcium Carbonate Geological Samples Study by ^3He NMR. <i>Applied Magnetic Resonance</i> , 2017, 48, 723-729.	1.2	4
11	The ^{55}Mn Spin Echo Test of Magnon BEC State in MnCO_3 . <i>Applied Magnetic Resonance</i> , 2017, 48, 625-633.	1.2	1
12	Helium-3 gas self-diffusion in a nematically ordered aerogel at low temperatures: enhanced role of adsorption. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 23146-23153.	2.8	5
13	New Aspects of Physics of Magnetic Resonance and Its Applications. <i>Applied Magnetic Resonance</i> , 2017, 48, 621-623.	1.2	3
14	Goldstone mode of a magnon Bose-Einstein condensate in MnCO_3 . <i>JETP Letters</i> , 2017, 106, 677-681.	1.4	11
15	Microwave-Assisted Hydrothermal Synthesis and Annealing of DyF ₃ Nanoparticles. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-5.	2.7	12
16	Thermal modification of wood and a complex study of its properties by magnetic resonance and other methods. <i>Wood Science and Technology</i> , 2016, 50, 895-916.	3.2	9
17	Anomalous nuclear spin-lattice relaxation of ^3He in contact with ordered Al_2O_3 aerogel. <i>JETP Letters</i> , 2016, 104, 315-318.	1.4	7
18	Revised Measurements and Interpretation of Magnetic Properties of Oriented CeF_3 Single Crystals. <i>Journal of Low Temperature Physics</i> , 2016, 185, 603-608.	1.4	6

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19	Current problems in magnetic resonance and its applications: Anatole Abragam, Evgenii Zavoiskii, Kazan. Low Temperature Physics, 2015, 41, 1-3.	0.6	0
20	EPR study of ordered Al ₂ O ₃ -based aerogel. JETP Letters, 2015, 102, 628-631.	1.4	3
21	Comments on the cross-relaxation effect between adsorbed ³ He and PrF ₃ nanoparticles. Low Temperature Physics, 2015, 41, 47-49.	0.6	1
22	The influence of restricted geometry of diamagnetic nanoporous media on ³ He relaxation. Low Temperature Physics, 2015, 41, 39-42.	0.6	2
23	Magnetic resonance of ³ He nuclei in porous media. Low Temperature Physics, 2015, 41, 50-57.	0.6	3
24	Crystal field simulation and NMR study of ¹⁹ F in a EuF ₃ Van Vleck paramagnet. Low Temperature Physics, 2015, 41, 58-61.	0.6	0
25	Proton NMR of water colloidal solutions of nanosized crystalline LaF ₃ and LaF ₃ :Gd ₃₊ particles. Low Temperature Physics, 2015, 41, 67-69.	0.6	1
26	Magnon BEC in Antiferromagnets with Suhl-Nakamura Interaction. Journal of Low Temperature Physics, 2014, 175, 167-176.	1.4	11
27	Electron paramagnetic resonance of Gd ³⁺ ions in powders of LaF ₃ :Gd ³⁺ nanocrystals. JETP Letters, 2014, 99, 149-152.	1.4	8
28	Annealing of PrF ₃ nanoparticles by microwave irradiation. Optics and Spectroscopy (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	0.6	10
29	Multipole interactions in a LiTmF ₄ single crystal. Optics and Spectroscopy (English Translation of) Tj ETQq1 1 0.784314 rgBT /Overlock	0.6	1
30	The spin kinetics of ³ He in contact with nanosized crystalline powders LaF ₃ . Journal of Physics: Conference Series, 2014, 568, 012001.	0.4	2
31	Bose-Einstein condensation in antiferromagnets at low temperatures. Journal of Physics: Conference Series, 2014, 568, 042001.	0.4	4
32	Size effect in the (PrF ₃ nanoparticles- ³ He) system. JETP Letters, 2013, 97, 579-582.	1.4	13
33	Experimental Setup for Observation the Bose-Einstein Condensation of Magnons in Solid Antiferromagnets CsMnF ₃ and MnCO ₃ . Applied Magnetic Resonance, 2013, 44, 595-603.	1.2	7
34	Magnon Bose-Einstein condensation at inhomogeneous conditions. Journal of Physics: Conference Series, 2013, 478, 012004.	0.4	1
35	Magnetic and magnetoelastic properties of LiDyF ₄ single crystals. Journal of Physics: Conference Series, 2013, 478, 012026.	0.4	3
36	XVI International Youth Scientific School "Actual Problems of Magnetic Resonance and its Applications". Journal of Physics: Conference Series, 2013, 478, 011001.	0.4	0

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37	High- $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle \text{mml:msub}\langle \text{mml:mi}T\langle \text{mml:mi}\rangle\langle \text{mml:mi}c\langle \text{mml:mi}\rangle\langle \text{mml:msub}\rangle\langle \text{mml:math}\rangle\text{Spin Superfluidity in Antiferromagnets. Physical Review Letters, 2012, 108, 177002.$	7.8	49
38	Atomic type magnon Bose-Einstein condensation in antiferromagnet.. Journal of Physics: Conference Series, 2012, 400, 032001.	0.4	3
39	Experimental proof of the existence of water clusters in fullerene-like PrF ₃ nanoparticles. JETP Letters, 2012, 96, 181-183.	1.4	19
40	¹⁹ F NMR study of LiTbF ₄ single crystals. Journal of Physics: Conference Series, 2011, 324, 012034.	0.4	1
41	Low temperature adsorption of ³ He on silica aerogel surface and its influence on ³ He spin kinetics. Journal of Physics: Conference Series, 2011, 324, 012028.	0.4	4
42	NMR, high frequency EPR and magnetization studies of YF ₃ :Tm ³⁺ and TmF ₃ . Journal of Physics: Conference Series, 2011, 324, 012033.	0.4	2
43	Magnon Bose-Einstein condensation in CsMnF ₃ and MnCO ₃ . Journal of Physics: Conference Series, 2011, 324, 012006.	0.4	10
44	On the thermodynamic equilibrium in the ³ He-aerogel system at low temperatures. JETP Letters, 2011, 93, 223-225.	1.4	4
45	Discovery of the classical Bose-Einstein condensation of magnons in solid antiferromagnets. JETP Letters, 2011, 94, 68-72.	1.4	27
46	Nuclear pseudoquadrupole resonance of ¹⁴¹ Pr in Van Vleck paramagnet PrF ₃ . JETP Letters, 2011, 94, 240-242.	1.4	10
47	Spin Kinetics of ³ He in Contact with Synthesized PrF ₃ Nanoparticles. Journal of Low Temperature Physics, 2011, 162, 645-652.	1.4	16
48	NMR of Liquid ³ He in Pores of a Clay Sample. Applied Magnetic Resonance, 2010, 38, 271-278.	1.2	7
49	The study of the system "Van Vleck paramagnet PrF ₃ -Helium-3". Journal of Physics: Conference Series, 2009, 150, 032019.	0.4	2
50	Pulse NMR of ³ He in aerogel at temperature 1.5 K. Journal of Physics: Conference Series, 2009, 150, 032043.	0.4	7
51	Electron paramagnetic resonance of radiation-induced paramagnetic centers in an aerogel. JETP Letters, 2008, 88, 244-248.	1.4	3
52	Nuclear magnetic relaxation of ³ He in contact with an aerogel above the Fermi temperature. JETP Letters, 2008, 88, 823-827.	1.4	15
53	Magnetic properties of Dy ³⁺ ions and crystal field characterization in YF ₃ :Dy ³⁺ and DyF ₃ single crystals. Journal of Physics Condensed Matter, 2008, 20, 485220.	1.8	13
54	Anisotropic magnetization of the Van Vleck paramagnet LiTmF ₄ at low temperatures and high magnetic fields. Journal of Physics Condensed Matter, 2008, 20, 395223.	1.8	4

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55	Observation of magnetic coupling between the nuclei of liquid ^3He and the ^{141}Pr nuclei of PrF_3 crystalline powder. JETP Letters, 2007, 86, 416-419.	1.4	9
56	Nuclear Spin-Kinetics of ^3He in Carbonizates with Various Porosity. Journal of Low Temperature Physics, 2007, 148, 815-819.	1.4	5
57	PrF_3 Van Vleck paramagnet as a promising material for the nuclear dynamic polarization of ^3He . Journal of Physics: Conference Series, 2006, 51, 79-82.	0.4	2
58	Study of anisotropic magnetic properties of LiTmF_4 in (001) plane by enhanced ^{169}Tm NMR and magnetization measurements. Journal of Physics: Conference Series, 2006, 51, 135-138.	0.4	0
59	Effect of phase transitions of helium-3 in pores of wood carbonizate on the spin kinetics of ^3He nuclei. JETP Letters, 2006, 84, 41-44.	1.4	2
60	Anisotropic magnetic susceptibility and crystal field analysis in the Van Vleck paramagnet PrF_3 . Journal of Physics Condensed Matter, 2006, 18, 6337-6347.	1.8	13
61	Determination of the spatial structure of glutathione by residual dipolar coupling analysis. Magnetic Resonance in Chemistry, 2005, 43, 948-951.	1.9	11
62	Nuclear spin-lattice relaxation in finely dispersed carbonizate powders. JETP Letters, 2004, 79, 641-645.	1.4	1
63	The use of a lyotropic liquid-crystalline medium and residual dipolar coupling constants for determination of the spatial structure of thiacalix[4]arenes in solutions. Russian Chemical Bulletin, 2004, 53, 1466-1470.	1.5	10
64	Ultrahigh-frequency NMR of Tm^{3+} ions in single crystals of thulium ethylsulfate at high magnetic fields. Physica B: Condensed Matter, 2004, 346-347, 231-235.	2.7	1
65	The possible dynamic polarization of nuclei by using coal surface paramagnetic centers. Physica B: Condensed Matter, 2003, 329-333, 1237-1238.	2.7	3
66	On the magnetism of liquid nitrogen-liquid oxygen mixture. Physica B: Condensed Matter, 2003, 329-333, 433-434.	2.7	6
67	NMR study of enriched ^{195}Pt metal. Physica B: Condensed Matter, 2003, 329-333, 1101-1102.	2.7	3
68	Magnetic field effects in optical and far IR spectra of LiTmF_4 crystals. , 2002, , .		2
69	Magnetic coupling between liquid [³ He and solid insulators (Review). Low Temperature Physics, 2002, 28, 299.	0.6	4
70	Insulating Van Vleck paramagnets at high magnetic fields (Review). Low Temperature Physics, 2002, 28, 147-164.	0.6	9
71	Magnetic properties of the Ising dipole ferromagnet LiTbF_4 . Physics of the Solid State, 2002, 44, 1544-1549.	0.6	3
72	Ultrahigh-frequency NMR of Tm^{3+} ions in single crystals of thulium ethylsulfate in high magnetic fields. JETP Letters, 2002, 76, 633-636.	1.4	3

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73	Investigations of dielectric Van Vleck paramagnets at high magnetic fields and low temperatures. Physica B: Condensed Matter, 2000, 284-288, 1686-1687.	2.7	6
74	NMR and AFM investigations of nanocavities on the double rare-earth fluoride crystal surface. Applied Magnetic Resonance, 2000, 19, 197-208.	1.2	2
75	Observation of coupled 4f-electron-phonon excitations in the Van Vleck paramagnet TmES in high magnetic fields. JETP Letters, 1998, 67, 1040-1045.	1.4	3
76	Magnetic resonant and non-resonant investigations of LiLnF4 (Ln = Y, Tm) powders. Applied Magnetic Resonance, 1998, 14, 525-544.	1.2	9
77	Magnetism and structural phase transitions in LiTmF4 powders. JETP Letters, 1997, 66, 266-270.	1.4	8
78	A single-parameter model of the angular distribution of particles in magnetically oriented powders. Applied Magnetic Resonance, 1994, 6, 587-600.	1.2	1
79	¹⁴¹ Pr and ¹⁶⁹ Tm NMR study of superconducting PrCeCuO and TmBaCuO. Physica C: Superconductivity and Its Applications, 1991, 185-189, 1107-1108.	1.2	11
80	¹⁶⁹ Tm NMR study of the high-Tc superconductor TmBa2Cu3O6.92. Applied Magnetic Resonance, 1991, 2, 559-569.	1.2	10
81	¹ H NMR study of static and fluctuating internal Magnetic fields in Tb(C2H5SO4)3 · 9 H2O ising ferromagnet. Applied Magnetic Resonance, 1990, 1, 113-127.	1.2	0
82	Nuclear magnetic relaxation in rare-earth compound crystals due to fluctuations of hyperfine magnetic fields. Hyperfine Interactions, 1990, 59, 255-270.	0.5	1
83	Search for the ac Josephson effect in superfluidHe3. Physical Review B, 1983, 28, 6536-6538.	3.2	9
84	Critical current ofHe3-Ain narrow channels. Physical Review B, 1982, 26, 5233-5236.	3.2	4