

Alexander Klochkov

List of Publications by Year in descending order

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58
papers

458
citations

840776

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888059

17
g-index

59
all docs

59
docs citations

59
times ranked

241
citing authors

#	ARTICLE	IF	CITATIONS
1	High- γ Spin Superfluidity in Antiferromagnets. Physical Review Letters, 2012, 108, 177002.	7.8	49
2	A novel liquid crystalline system for partial alignment of polar organic molecules. Journal of Magnetic Resonance, 2006, 179, 58-63.	2.1	27
3	Discovery of the classical Bose-Einstein condensation of magnons in solid antiferromagnets. JETP Letters, 2011, 94, 68-72.	1.4	27
4	Experimental proof of the existence of water clusters in fullerene-like PrF ₃ nanoparticles. JETP Letters, 2012, 96, 181-183.	1.4	19
5	Spatial structure of peptides determined by residual dipolar couplings analysis. Magnetic Resonance in Chemistry, 2009, 47, 57-62.	1.9	16
6	Spin Kinetics of ³ He in Contact with Synthesized PrF ₃ Nanoparticles. Journal of Low Temperature Physics, 2011, 162, 645-652.	1.4	16
7	Nuclear magnetic relaxation of ³ He in contact with an aerogel above the Fermi temperature. JETP Letters, 2008, 88, 823-827.	1.4	15
8	Size effect in the (PrF ₃ nanoparticles- ³ He) system. JETP Letters, 2013, 97, 579-582.	1.4	13
9	Spatial Structure of the Decapeptide Val-Ile-Lys-Lys-Ser-Thr-Ala-Leu-Leu-Gly in Water and in a Complex with Sodium Dodecyl Sulfate Micelles. Applied Magnetic Resonance, 2011, 41, 267-282.	1.2	12
10	Microwave-Assisted Hydrothermal Synthesis and Annealing of DyF ₃ Nanoparticles. Journal of Nanomaterials, 2016, 2016, 1-5.	2.7	12
11	Determination of the spatial structure of glutathione by residual dipolar coupling analysis. Magnetic Resonance in Chemistry, 2005, 43, 948-951.	1.9	11
12	Magnon BEC in Antiferromagnets with Suhl-Nakamura Interaction. Journal of Low Temperature Physics, 2014, 175, 167-176.	1.4	11
13	Goldstone mode of a magnon Bose-Einstein condensate in MnCO ₃ . JETP Letters, 2017, 106, 677-681.	1.4	11
14	Angstrom-scale probing of paramagnetic centers location in nanodiamonds by ³ He NMR at low temperatures. Physical Chemistry Chemical Physics, 2018, 20, 1476-1484.	2.8	11
15	Nonresonant Excitation of a Magnon Bose-Einstein Condensate in MnCO ₃ . JETP Letters, 2019, 109, 40-44.	1.4	11
16	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
17	Magnon Bose-Einstein condensation in CsMnF ₃ and MnCO ₃ . Journal of Physics: Conference Series, 2011, 324, 012006.	0.4	10
18	Nuclear pseudoquadrupole resonance of ¹⁴¹ Pr in Van Vleck paramagnet PrF ₃ . JETP Letters, 2011, 94, 240-242.	1.4	10

#	ARTICLE	IF	CITATIONS
19	Annealing of PrF ₃ nanoparticles by microwave irradiation. Optics and Spectroscopy (English) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.56	10
20	Magnetic resonant and non-resonant investigations of LiLnF ₄ (Ln = Y, Tm) powders. Applied Magnetic Resonance, 1998, 14, 525-544.	1.2	9
21	Observation of magnetic coupling between the nuclei of liquid ³ He and the ¹⁴¹ Pr nuclei of PrF ₃ crystalline powder. JETP Letters, 2007, 86, 416-419.	1.4	9
22	Thermal modification of wood and a complex study of its properties by magnetic resonance and other methods. Wood Science and Technology, 2016, 50, 895-916.	3.2	9
23	Spin Kinetics of Liquid ³ He in Contact with a DyF ₃ Micropowder at Ferromagnetic Ordering of Dy ³⁺ Ions. JETP Letters, 2018, 107, 111-114.	1.4	9
24	Magnetism and structural phase transitions in LiTmF ₄ powders. JETP Letters, 1997, 66, 266-270.	1.4	8
25	Electron paramagnetic resonance of Gd ³⁺ ions in powders of LaF ₃ :Gd ³⁺ nanocrystals. JETP Letters, 2014, 99, 149-152.	1.4	8
26	Spatial structure of triglycine determined by the residual dipolar coupling analysis. Applied Magnetic Resonance, 2003, 25, 113-119.	1.2	7
27	Pulse NMR of ³ He in aerogel at temperature 1.5 K. Journal of Physics: Conference Series, 2009, 150, 032043.	0.4	7
28	NMR of Liquid ³ He in Pores of a Clay Sample. Applied Magnetic Resonance, 2010, 38, 271-278.	1.2	7
29	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
30	Anomalous nuclear spin-lattice relaxation of ³ He in contact with ordered Al ₂ O ₃ aerogel. JETP Letters, 2016, 104, 315-318.	1.4	7
31	The self-assembly of DyF ₃ nanoparticles synthesized by chloride-based route. Journal of Nanoparticle Research, 2018, 20, 1.	1.9	6
32	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. Journal of Petroleum Science and Engineering, 2022, 210, 110010.	4.2	6
33	Nuclear Spin-Kinetics of ³ He in Carbonizates with Various Porosity. Journal of Low Temperature Physics, 2007, 148, 815-819.	1.4	5
34	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
35	On the thermodynamic equilibrium in the ³ He-aerogel system at low temperatures. JETP Letters, 2011, 93, 223-225.	1.4	4
36	Spatial structures of tripeptides glycylglycyl-L-histidine and glycylglycyl-L-tyrosine based on residual dipolar couplings and quantum-chemical computations. Mendeleev Communications, 2011, 21, 72-74.	1.6	4

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37	Bose-Einstein condensation in antiferromagnets at low temperatures. Journal of Physics: Conference Series, 2014, 568, 042001.	0.4	4
38	The Calcium Carbonate Geological Samples Study by ^3He NMR. Applied Magnetic Resonance, 2017, 48, 723-729.	1.2	4
39	NMR chemical shifts of carbon atoms and characteristic shift ranges in the oil sample. Petroleum Research, 2022, 7, 269-274.	2.7	4
40	Effect of surface magnetism of solid-state substrates on the NMR of liquid ^3He . JETP Letters, 1999, 69, 539-545.	1.4	3
41	Atomic type magnon Bose-Einstein condensation in antiferromagnet.. Journal of Physics: Conference Series, 2012, 400, 032001.	0.4	3
42	Magnetic resonance of ^3He nuclei in porous media. Low Temperature Physics, 2015, 41, 50-57.	0.6	3
43	The Affect of Gadolinium Ion on Micelles and Reverse Micelles by NMR Spectroscopy. BioNanoScience, 2021, 11, 136-141.	3.5	3
44	NMR and AFM investigations of nanocavities on the double rare-earth fluoride crystal surface. Applied Magnetic Resonance, 2000, 19, 197-208.	1.2	2
45	The study of the system "Van Vleck paramagnet PrF_3 -Helium-3". Journal of Physics: Conference Series, 2009, 150, 032019.	0.4	2
46	The spin kinetics of ^3He in contact with nanosized crystalline powders LaF_3 . Journal of Physics: Conference Series, 2014, 568, 012001.	0.4	2
47	The influence of restricted geometry of diamagnetic nanoporous media on ^3He relaxation. Low Temperature Physics, 2015, 41, 39-42.	0.6	2
48	Spin kinetics of liquid ^3He in an aerogel- $^{\text{DyF}_3}$ nanoparticle system. Low Temperature Physics, 2019, 45, 1227-1230.	0.6	2
49	Comments on the cross-relaxation effect between adsorbed ^3He and PrF_3 nanoparticles. Low Temperature Physics, 2015, 41, 47-49.	0.6	1
50	Proton NMR of water colloidal solutions of nanosized crystalline LaF_3 and $\text{LaF}_3:\text{Gd}^{3+}$ particles. Low Temperature Physics, 2015, 41, 67-69.	0.6	1
51	The ^{55}Mn Spin Echo Test of Magnon BEC State in MnCO_3 . Applied Magnetic Resonance, 2017, 48, 625-633.	1.2	1
52	Diagrams of the Lamellar Liquid Crystal Phase in Systems Based on n-Alkyl-poly (ethylene) Glycols (C_8E_5 and C_{12}E_5) and n-Octanol Determined by ^1H NMR Spectroscopy. BioNanoScience, 2020, 10, 690-695.	3.5	1
53	The ^3He nuclear magnetic relaxation in nematically ordered Al_2O_3 aerogels: effects of ^4He and nitrogen pre-plating. Journal of Physics Condensed Matter, 2021, 33, 195805.	1.8	1
54	Anisotropic reduced diffusion in dilute liquid ^3He - ^4He mixture in ordered aerogel. Journal of Physics Condensed Matter, 2020, 33, 065101.	1.8	1

#	ARTICLE	IF	CITATIONS
55	Study of native oil-bearing rocks of the Cuban basin by high resolution NMR spectroscopy. <i>Petroleum Research</i> , 2022, 7, 495-499.	2.7	1
56	Magnetic coupling between liquid ^3He and a solid state substrate: a new approach. <i>Physica B: Condensed Matter</i> , 2000, 284-288, 210-211.	2.7	0
57	Reply to "Comment on "Ångstrom-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
58	Phase diagrams of new lamellar liquid crystalline systems based on ^2H NMR spectroscopy data. <i>Mendeleev Communications</i> , 2021, 31, 135-136.	1.6	0