Alexander Klochkov

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2961039/publications.pdf

Version: 2024-02-01

58	458	840776	888059
papers	citations	11	17
		h-index	g-index

59	59	59	241
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	NMR chemical shifts of carbon atoms and characteristic shift ranges in the oil sample. Petroleum Research, 2022, 7, 269-274.	2.7	4
2	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
3	Study of native oil-bearing rocks of the Cuban basin by high resolution NMR spectroscopy. Petroleum Research, 2022, 7, 495-499.	2.7	1
4	The Affect of Gadolinium Ion on Micelles and Reverse Micelles by NMR Spectroscopy. BioNanoScience, 2021, 11, 136-141.	3.5	3
5	The³He nuclear magnetic relaxation in nematically ordered Al₂O₃ aerogels: effects of ⁴He and nitrogen pre-plating. Journal of Physics Condensed Matter, 2021, 33, 195805.	1.8	1
6	Phase diagrams of new lamellar liquid crystalline systems based on 2H NMR spectroscopy data. Mendeleev Communications, 2021, 31, 135-136.	1.6	0
7	Diagrams of the Lamellar Liquid Crystal Phase in Systems Based on n-Alkyl-poly (ethylene) Glycols (C8E5 and C12E5) and n-Octanol Determined by 1H NMR Spectroscopy. BioNanoScience, 2020, 10, 690-695.	3.5	1
8	Anisotropic reduced diffusion in dilute liquid ³Heâ€“⁴He mixture in ordered aerogel. Journal of Physics Condensed Matter, 2020, 33, 065101.	1.8	1
9	Nonresonant Excitation of a Magnon Boseâ€“Einstein Condensate in MnCO3. JETP Letters, 2019, 109, 40-44.	1.4	11
10	Spin kinetics of liquid 3He in an aerogelâ€“DyF3 nanoparticle system. Low Temperature Physics, 2019, 45, 1227-1230.	0.6	2
11	Angstrom-scale probing of paramagnetic centers location in nanodiamonds by ³He NMR at low temperatures. Physical Chemistry Chemical Physics, 2018, 20, 1476-1484.	2.8	11
12	Reply to â€˜Comment on â€œAngstrom-scale probing of paramagnetic centers location in nanodiamonds by ³He NMR at low temperaturesâ€â€™ by A. Shames, V. Osipov and A. Panich, Phys. Chem. Chem. Phys. 2018, 20, DOI: 10.1039/c8cp03331e. Physical Chemistry Chemical Physics, 2018, 20, 27697-27699.	2.8	0
13	The self-assembly of DyF3 nanoparticles synthesized by chloride-based route. Journal of Nanoparticle Research, 2018, 20, 1.	1.9	6
14	Spin Kinetics of Liquid 3He in Contact with a DyF3 Micropowder at Ferromagnetic Ordering of Dy3+ Ions. JETP Letters, 2018, 107, 111-114.	1.4	9
15	The Calcium Carbonate Geological Samples Study by 3He NMR. Applied Magnetic Resonance, 2017, 48, 723-729.	1.2	4
16	The 55Mn Spin Echo Test of Magnon BEC State in MnCO3. Applied Magnetic Resonance, 2017, 48, 625-633.	1.2	1
17	Goldstone mode of a magnon Boseâ€“Einstein condensate in MnCO3. JETP Letters, 2017, 106, 677-681.	1.4	11
18	Microwave-Assisted Hydrothermal Synthesis and Annealing of DyF₃Nanoparticles. Journal of Nanomaterials, 2016, 2016, 1-5.	2.7	12

#	Article	IF	Citations
19	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
20	Anomalous nuclear spinâ€“lattice relaxation of 3ÐÐµ in contact with ordered Al2O3 aerogel. JETP Letters, 2016, 104, 315-318.	1.4	7
21	Comments on the cross-relaxation effect between adsorbed3He and PrF3nanoparticles. Low Temperature Physics, 2015, 41, 47-49.	0.6	1
22	The influence of restricted geometry of diamagnetic nanoporous media on3He relaxation. Low Temperature Physics, 2015, 41, 39-42.	0.6	2
23	Magnetic resonance of 3He nuclei in porous media. Low Temperature Physics, 2015, 41, 50-57.	0.6	3
24	Proton NMR of water colloidal solutions of nanosized crystalline LaF3and LaF3:Gd3+particles. Low Temperature Physics, 2015, 41, 67-69.	0.6	1
25	Magnon BEC in Antiferromagnets with Suhlâ€“Nakamura Interaction. Journal of Low Temperature Physics, 2014, 175, 167-176.	1.4	11
26	Electron paramagnetic resonance of Gd3+ ions in powders of LaF3:Gd3+ nanocrystals. JETP Letters, 2014, 99, 149-152.	1.4	8
27	Annealing of PrF3 nanoparticles by microwave irradiation. Optics and Spectroscopy (English) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.6	10
28	The spin kinetics of³He in contact with nanosized crystalline powders LaF₃. Journal of Physics: Conference Series, 2014, 568, 012001.	0.4	2
29	Bose-Einstein condensation in antiferromagnets at low temperatures. Journal of Physics: Conference Series, 2014, 568, 042001.	0.4	4
30	Size effect in the (PrF3 nanoparticles-3He) system. JETP Letters, 2013, 97, 579-582.	1.4	13
31	Experimental Setup for Observation the Boseâ€“Einstein Condensation of Magnons in Solid Antiferromagnets CsMnF3 and MnCO3. Applied Magnetic Resonance, 2013, 44, 595-603.	1.2	7
32	High-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>T</mml:mi><mml:mi>c</mml:mi></mml:msub></mml:math>Spin Superfluidity in Antiferromagnets. Physical Review Letters, 2012, 108, 177002.	7.8	49
33	Atomic type magnon Bose-Einstein condensation in antiferromagnet.. Journal of Physics: Conference Series, 2012, 400, 032001.	0.4	3
34	Experimental proof of the existence of water clusters in fullerene-like PrF3 nanoparticles. JETP Letters, 2012, 96, 181-183.	1.4	19
35	Low temperature adsorption of3He on silica aerogel surface and its influence on3He spin kinetics. Journal of Physics: Conference Series, 2011, 324, 012028.	0.4	4
36	Magnon Bose-Einstein condensation in CsMnF₃and MnCO₃. Journal of Physics: Conference Series, 2011, 324, 012006.	0.4	10

#	Article	IF	Citations
37	On the thermodynamic equilibrium in the 3He-aerogel system at low temperatures. JETP Letters, 2011, 93, 223-225.	1.4	4
38	Discovery of the classical Bose-Einstein condensation of magnons in solid antiferromagnets. JETP Letters, 2011, 94, 68-72.	1.4	27
39	Nuclear pseudoquadrupole resonance of 141Pr in Van Vleck paramagnet PrF3. JETP Letters, 2011, 94, 240-242.	1.4	10
40	Spin Kinetics of 3He in Contact with Synthesized PrF3 Nanoparticles. Journal of Low Temperature Physics, 2011, 162, 645-652.	1.4	16
41	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
42	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
43	NMR of Liquid 3He in Pores of a Clay Sample. Applied Magnetic Resonance, 2010, 38, 271-278.	1.2	7
44	Spatial structure of peptides determined by residual dipolar couplings analysis. Magnetic Resonance in Chemistry, 2009, 47, 57-62.	1.9	16
45	The study of the system "Van Vleck paramagnet PrF₃-Helium-3". Journal of Physics: Conference Series, 2009, 150, 032019.	0.4	2
46	Pulse NMR of³He in aerogel at temperature 1.5 K. Journal of Physics: Conference Series, 2009, 150, 032043.	0.4	7
47	Nuclear magnetic relaxation of 3He in contact with an aerogel above the Fermi temperature. JETP Letters, 2008, 88, 823-827.	1.4	15
48	Observation of magnetic coupling between the nuclei of liquid 3He and the 141Pr nuclei of PrF3 crystalline powder. JETP Letters, 2007, 86, 416-419.	1.4	9
49	Nuclear Spin-Kinetics of 3He in Carbonizates withÂVarious Porosity. Journal of Low Temperature Physics, 2007, 148, 815-819.	1.4	5
50	A novel liquid crystalline system for partial alignment of polar organic molecules. Journal of Magnetic Resonance, 2006, 179, 58-63.	2.1	27
51	Determination of the spatial structure of glutathione by residual dipolar coupling analysis. Magnetic Resonance in Chemistry, 2005, 43, 948-951.	1.9	11
52	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
53	Spatial structure of triglycine determined by the residual dipolar coupling analysis. Applied Magnetic Resonance, 2003, 25, 113-119.	1.2	7
54	Magnetic coupling between liquid 3He and a solid state substrate: a new approach. Physica B: Condensed Matter, 2000, 284-288, 210-211.	2.7	0

#	Article	IF	Citations
55	NMR and AFM investigations of nanocavities on the double rare-earth fluoride crystal surface. Applied Magnetic Resonance, 2000, 19, 197-208.	1.2	2
56	Effect of surface magnetism of solid-state substrates on the NMR of liquid 3He. JETP Letters, 1999, 69, 539-545.	1.4	3
57	Magnetic resonant and non-resonant investigations of LiLnF4 (Ln = Y, Tm) powders. Applied Magnetic Resonance, 1998, 14, 525-544.	1.2	9
58	Magnetism and structural phase transitions in LiTmF4 powders. JETP Letters, 1997, 66, 266-270.	1.4	8