

N Y Sinyavsky

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Study of Molecular Dynamics in Paracetamol and Sulfanilamide Polymorphs by ¹ H NMR Relaxometry. Applied Magnetic Resonance, 2022, 53, 931.	1.2	0
2	Study of the Effect of Filling Thermoplastic Medical Polyurethane with PVA, PLA or Diatomite on the Relaxation Times Distributions of ¹ H NMR. Applied Magnetic Resonance, 2020, 51, 759-768.	1.2	0
3	Study of the polymorphic states of chloral hydrate by ³⁵ Cl NQR relaxometry. Chemical Physics Letters, 2020, 750, 137510.	2.6	1
4	Measuring of short spin-spin relaxation times distributions using NQR nutation experiments. Solid State Nuclear Magnetic Resonance, 2019, 104, 101622.	2.3	1
5	Using Stimulated Echo in Magnetic Resonance for Research of Correlation and Exchange. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2019, 74, 189-194.	1.5	0
6	Study of Aliphatic Polyurethanes by the Low-Field ¹ H NMR Relaxometry Method with the Inversion of the Integral Transformation. Applied Magnetic Resonance, 2019, 50, 347-356.	1.2	7
7	Special Features of the Transverse Relaxation Time Distributions of NMR-Protons for Different Measurement Methods. Russian Physics Journal, 2018, 61, 801-803.	0.4	3
8	Study of Caking of Powders Using NQR Relaxometry with Inversion of the Laplace Transform. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 72, 303-306.	1.5	0
9	Polarimetric study of the optical anisotropy of polymers. European Journal of Physics, 2017, 38, 045301.	0.6	4
10	Study of Optical Properties of Polymeric Materials Subjected to Degradation. Journal of Polymers and the Environment, 2017, 25, 1280-1287.	5.0	9
11	Determination of exchange ratios in NMR and NQR spectroscopy from the 1D ρ relaxation dependences for the T ₂ ρ relaxation times. Chemical Physics Letters, 2017, 684, 186-190.	2.6	2
12	The study of polymorphic states of paradichlorobenzene by means of nuclear quadrupole resonance relaxometry. Solid State Nuclear Magnetic Resonance, 2016, 78, 45-49.	2.3	4
13	Investigation of Polymer Degradation Using NMR Relaxometry with Inverse Laplace Transformation. Applied Magnetic Resonance, 2016, 47, 1409-1417.	1.2	10
14	Special Features of Application of the Inversionrecovery Method for Broad NQR Lines. Russian Physics Journal, 2016, 58, 1875-1877.	0.4	0
15	T ₁ -Dispersion in Nuclear Quadrupole Resonance. Russian Physics Journal, 2016, 59, 1316-1318.	0.4	0
16	The Geometrical Phase in the PEANUT Experiments for the NQR Spectroscopy for the Spins $I = 3/2$. Applied Magnetic Resonance, 2016, 47, 63-76.	1.2	0
17	Application of Nuclear Quadrupole Resonance Relaxometry to Study the Influence of the Environment on the Surface of the Crystallites of Powder. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2015, 70, 451-457.	1.5	2
18	The Distribution Change of Relaxation Times in ³⁵ Cl NQR for Phase Transitions in p-Dichlorobenzene. Applied Magnetic Resonance, 2015, 46, 17-24.	1.2	8

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19	Investigation of Corrosion Inhibitors by Nuclear Quadrupole Resonance Relaxometry Method. TransNav, 2015, 9, 587-590.	0.6	0
20	Effect of the Nuclear Magnetization Diffusion on the Relaxation Time Distribution in Microcrystals. Russian Physics Journal, 2014, 57, 1149-1151.	0.4	4
21	Application of Nuclear Quadrupole Resonance for Investigation of the Process of Crystallization from Solution. Russian Physics Journal, 2014, 56, 1106-1108.	0.4	2
22	The T 1 and T 2 Relaxation Times Distribution for the ³⁵ Cl and ¹⁴ N NQR in Micro-composites and in Porous Materials. Applied Magnetic Resonance, 2014, 45, 471-482.	1.2	10
23	Size Effect in ¹⁴ N Nuclear Quadrupole Resonance Spectroscopy. NATO Science for Peace and Security Series B: Physics and Biophysics, 2014, , 69-76.	0.3	5
24	Experimental study of the structure of chalcogenide glassy semiconductors in three-component systems of Ge-As-Se and As-Sb-Se by means of NQR and EPR spectroscopy. Open Physics, 2013, 11, .	1.7	1
25	Study of the EFG tensor at ⁷⁵ As nuclei in Ge-As-Se chalcogenide glasses. Magnetic Resonance in Chemistry, 2013, 51, 614-620.	1.9	2
26	PEANUT experiment in NQR spectroscopy for I=3/2. Solid State Nuclear Magnetic Resonance, 2012, 43-44, 32-35.	2.3	2
27	Study of As-Sb-Se chalcogenide glasses by NQR and EPR spectroscopy methods. Open Physics, 2011, 9, 387-391.	1.7	2
28	2D-nutation echo signals for very broad NQR lines ($I=3/2$). Russian Physics Journal, 2011, 54, 257-259.	0.4	3
29	Non-cyclic geometric phase of nuclear quadrupole resonance signals of powdered samples. Solid State Nuclear Magnetic Resonance, 2011, 39, 1-6.	2.3	3
30	NQR study of chalcogenide glasses Ge-As-Se. Magnetic Resonance in Chemistry, 2011, 49, 385-388.	1.9	2
31	Recording 2-D Nutation NQR Spectra by Random Sampling Method. Applied Magnetic Resonance, 2010, 39, 205-214.	1.2	5
32	Off-resonance effects in two-dimensional exchange NMR at zero-field. Solid State Nuclear Magnetic Resonance, 2010, 37, 33-35.	2.3	0
33	Application of the Elliptically Polarized Radio Frequency Fields in Spin-3/2 Nuclear Quadrupole Resonance Spectroscopy. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2009, 64, 618-624.	1.5	0
34	Berry's Phase in Nqr of Powders. NATO Science for Peace and Security Series B: Physics and Biophysics, 2009, , 253-269.	0.3	1
35	Determination of mutual orientation of tensor interactions from two-dimensional nutation NQR-spectra of solids. Russian Physics Journal, 2008, 51, 33-37.	0.4	0
36	Manifestation of Berry's Phase in Nuclear Quadrupole Resonance Spectra of Rotating Powder Samples. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2008, 63, 81-87.	1.5	3

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37	Determination of the electric field gradient asymmetry from Berry's phase in NQR of powder samples. Journal of Molecular Structure, 2007, 830, 131-138.	3.6	3
38	Determination of rheological parameters of liquid crystals with zero anisotropy of diamagnetic susceptibility. Russian Physics Journal, 2007, 50, 680-686.	0.4	0
39	Determination of the electric field gradient asymmetry from 2D nutation NQR spectra of ^{75}As nuclei in oriented samples of As_2Se_3 semiconductor. Solid State Nuclear Magnetic Resonance, 2007, 31, 119-123.	2.3	7
40	Two-Dimensional Nutation NQR Broad-Line Spectra in Oriented Samples. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2006, 61, 499-504.	1.5	3
41	Spectra of nuclear quadrupole resonance in vitreous semiconductors. Semiconductors, 2006, 40, 1093-1095.	0.5	5
42	Two-dimensional exchange ^{35}Cl NQR spectroscopy of hexachloroethane. Journal of Molecular Structure, 2005, 743, 53-57.	3.6	6
43	A New Method of Obtaining Structural Information from 2M Exchange NMR and NQR Spectra of Powders. Russian Physics Journal, 2005, 48, 863-866.	0.4	0
44	Investigation of the Schottky barriers in aluminum δ vitreous semiconductor contacts. Russian Physics Journal, 2005, 48, 1080-1084.	0.4	0
45	Nutation Spectra of Nuclear Quadrupole Resonance in Off-Resonance Conditions. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2004, 59, 228-234.	1.5	2
46	Off-Resonance Nutation NQR Spectra. Russian Physics Journal, 2004, 47, 669-674.	0.4	0
47	Determination of rotational angles from two-dimensional exchange NMR and NQR spectra of powder samples. Journal of Molecular Structure, 2003, 659, 43-51.	3.6	3
48	Orientation Of Tensorial Interactions Determined From Two-Dimensional Nutation Exchange Nqr And Nmr Powder Spectra. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2003, 58, 404-410.	1.5	0
49	Two-dimensional Exchange ^{35}Cl NQR Spectroscopy of Chloral Hydrate. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2002, 57, 52-57.	1.5	3
50	Two-dimensional nutation exchange NQR spectroscopy: direct determination of rotational angles. Molecular Physics, 2002, 100, 971-979.	1.7	7
51	Two-dimensional Exchange ^{35}Cl NQR Spectroscopy of Chloral Hydrate. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2002, 57, 53-57.	1.5	4
52	Two-dimensional exchange nuclear quadrupole resonance spectroscopy of molecular crystals. Molecular Physics, 2001, 99, 1653-1667.	1.7	20
53	Influence of the rf Field Inhomogeneity on Nutation NQR Spectra of Spin $3/2$ Nuclei in Powders. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1999, 54, 153-158.	1.5	2
54	Lineshape Analysis of 2D NMR and NQR Nutation Spectra of Integer and Half-Integer Quadrupolar Nuclei. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1999, 54, 351-357.	1.5	7

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55	Influence of relaxation on the two-dimensional nutational nuclear-quadrupole-resonance spectra. Russian Physics Journal, 1998, 41, 1238-1244.	0.4	0
56	New technologies: nuclear quadrupole resonance as an explosive and narcotic detection technique. Physics-Uspekh, 1997, 40, 393-406.	2.2	57
57	Determination of the spectral parameters of nuclear quadrupole resonance from nutation spectra of powdered samples. Russian Physics Journal, 1997, 40, 591-596.	0.4	0
58	Rapid Measurement of Nutation NQR Spectra in Powders Using an RF Pulse Train. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1996, 51, 363-367.	1.5	9
59	Singularities of the shape of the nonresonance nutation spectra of NQR powders. Russian Physics Journal, 1995, 38, 599-604.	0.4	0
60	Two-dimensional ^{14}N NQR spectra for two-frequency excitation programs. Russian Physics Journal, 1992, 35, 632-634.	0.4	1
61	A unilateral NQR explosives detector. Russian Physics Journal, 1992, 35, 635-637.	0.4	0
62	Two-dimensional NQR spectroscopy of forbidden transitions. Soviet Physics Journal (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 T	0.0	0
63	NQR line intensities of ^{14}N in a method with field cycling. Soviet Physics Journal (English Translation) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 462 T	0.0	0
64	Two-frequency saturation in pulsed NQR of ^{14}N . Soviet Physics Journal (English Translation of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 T	0.0	1
65	Measurement of the spin-lattice relaxation time in the NQR of light nuclei. Soviet Physics Journal (English Translation of Izvestiia Vysshikh Uchebnykh Zavedenii, Fizika), 1987, 30, 639-641.	0.0	0
66	Two-frequency method for increasing the signal-to-noise ratio for nuclear quadrupole resonance ^{14}N low-frequency transitions. Soviet Physics Journal (English Translation of Izvestiia Vysshikh) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 297 T	0.0	0
67	Quadrupole spin echo in the case of equidistant energy levels ($l=1$). Soviet Physics Journal (English) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 297 T	0.0	0
68	Transition probabilities for the zero-splitting cone in NQR ($l=1$). Soviet Physics Journal (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22 T	0.0	0