### Danuta Kruk

# List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

119<br/>papers2,371<br/>citations27<br/>h-index43<br/>g-index127<br/>ext. papers2,590<br/>ext. citations3.6<br/>avg, IF5.07<br/>L-index

#	Paper	IF	Citations
119	Relationship between Translational and Rotational Dynamics of Alkyltriethylammonium-Based Ionic Liquids <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23,	6.3	1
118	Diffusion in oils versus their viscosity Insight from Nuclear Magnetic Resonance relaxometry. Journal of Food Engineering, <b>2022</b> , 317, 110848	6	1
117	Relationship between macroscopic properties of honey and molecular dynamics Lemperature effects. <i>Journal of Food Engineering</i> , <b>2022</b> , 314, 110782	6	1
116	Relative Cation-Anion Diffusion in Alkyltriethylammonium-Based Ionic Liquids. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23, 5994	6.3	0
115	Field-dependent NMR relaxometry for Food Science: Applications and perspectives. <i>Trends in Food Science and Technology</i> , <b>2021</b> , 110, 513-524	15.3	10
114	Water mobility in cheese by means of Nuclear Magnetic Resonance relaxometry. <i>Journal of Food Engineering</i> , <b>2021</b> , 298, 110483	6	5
113	Water dynamics in eggs by means of Nuclear Magnetic Resonance relaxometry. <i>Journal of Magnetic Resonance</i> , <b>2021</b> , 327, 106976	3	2
112	Exploring the water mobility in gelatin based soft candies by means of Fast Field Cycling (FFC) Nuclear Magnetic Resonance relaxometry. <i>Journal of Food Engineering</i> , <b>2021</b> , 294, 110422	6	6
111	Correlated Dynamics in Ionic Liquids by Means of NMR Relaxometry: Butyltriethylammonium bis(Trifluoromethanesulfonyl)imide as an Example. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3
110	Field-dependent paramagnetic relaxation enhancement in solutions of Ni(II): What happens above the NMR proton frequency of 1 GHz?. <i>Journal of Magnetic Resonance</i> , <b>2020</b> , 314, 106737	3	1
109	Slow dynamics of solid proteins - Nuclear magnetic resonance relaxometry versus dielectric spectroscopy. <i>Journal of Magnetic Resonance</i> , <b>2020</b> , 314, 106721	3	8
108	Sn-Based Alloys Synthesized in an Ionic Liquid at Room Temperature: Cu6Sn5 as a Case Study. <i>ChemNanoMat</i> , <b>2020</b> , 6, 639-647	3.5	2
107	Recent development in 1H NMR relaxometry. Annual Reports on NMR Spectroscopy, <b>2020</b> , 119-184	1.7	6
106	Dynamics of Ionic Liquids in Confinement by Means of NMR Relaxometry-EMIM-FSI in a Silica Matrix as an Example. <i>Materials</i> , <b>2020</b> , 13,	3.5	6
105	H spin-lattice NMR relaxation in the presence of residual dipolar interactions - Dipolar relaxation enhancement. <i>Journal of Magnetic Resonance</i> , <b>2020</b> , 318, 106783	3	1
104	Towards applying NMR relaxometry as a diagnostic tool for bone and soft tissue sarcomas: a pilot study. <i>Scientific Reports</i> , <b>2020</b> , 10, 14207	4.9	3
103	Dynamics of Solid Proteins by Means of Nuclear Magnetic Resonance Relaxometry. <i>Biomolecules</i> , <b>2019</b> , 9,	5.9	20

## (2017-2019)

102	Peculiar relaxation dynamics of propylene carbonate derivatives. <i>Journal of Chemical Physics</i> , <b>2019</b> , 150, 044504	3.9	9	
101	Dynamics of condensed matter by means of Nuclear Magnetic Resonance Relaxometry. <i>Molecular Physics</i> , <b>2019</b> , 117, 831-831	1.7		
100	Aspects of structural order in 209Bi-containing particles for potential MRI contrast agents based on quadrupole enhanced relaxation. <i>Molecular Physics</i> , <b>2019</b> , 117, 935-943	1.7	2	
99	1H relaxation and dynamics of triphenylbismuth in deuterated solvents. <i>Molecular Physics</i> , <b>2019</b> , 117, 921-926	1.7		
98	Multi-quantum quadrupole relaxation enhancement effects in Bi compounds. <i>Journal of Chemical Physics</i> , <b>2019</b> , 150, 184309	3.9	6	
97	Estimation of the magnitude of quadrupole relaxation enhancement in the context of magnetic resonance imaging contrast. <i>Journal of Chemical Physics</i> , <b>2019</b> , 150, 184306	3.9	11	
96	Mechanism of Water Dynamics in Hyaluronic Dermal Fillers Revealed by Nuclear Magnetic Resonance Relaxometry. <i>ChemPhysChem</i> , <b>2019</b> , 20, 2816-2822	3.2	15	
95	Quadrupole relaxation enhancement and polarisation transfer in DMSO solution of [Bi(NO3)3(H2O)3]*18-crown-6 in solid state. <i>Molecular Physics</i> , <b>2019</b> , 117, 944-951	1.7	1	
94	1H spinlattice relaxation in water solution of 209Bi counterparts of Gd3+contrast agents. <i>Molecular Physics</i> , <b>2019</b> , 117, 927-934	1.7	3	
93	Predicting quadrupole relaxation enhancement peaks in proton R1-NMRD profiles in solid Bi-aryl compounds from NQR parameters. <i>Molecular Physics</i> , <b>2019</b> , 117, 910-920	1.7	3	
92	R dispersion contrast at high field with fast field-cycling MRI. <i>Journal of Magnetic Resonance</i> , <b>2018</b> , 290, 68-75	3	12	
91	Bi quadrupole relaxation enhancement in solids as a step towards new contrast mechanisms in magnetic resonance imaging. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 12710-12718	3.6	23	
90	Model - free approach to quadrupole spin relaxation in solid Bi-aryl compounds. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 23414-23423	3.6	6	
89	Tuning Nuclear Quadrupole Resonance: A Novel Approach for the Design of Frequency-Selective MRI Contrast Agents. <i>Physical Review X</i> , <b>2018</b> , 8,	9.1	8	
88	Structure and dynamics of [NH(CH)]SbCl by means of H NMR relaxometry - quadrupolar relaxation enhancement effects. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 11197-11205	3.6	12	
87	Dynamics of solid alanine by means of nuclear magnetic resonance relaxometry. <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 164501	3.9	2	
86	Verification of the authenticity of drugs by means of NMR relaxometry-Viagra as an example. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 135, 199-205	3.5	11	
85	Revealing the Charge Transport Mechanism in Polymerized Ionic Liquids: Insight from High Pressure Conductivity Studies. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 8082-8092	9.6	27	

84	Segmentation Integrating Watershed and Shape Priors Applied to Cardiac Delayed Enhancement MR Images. <i>Irbm</i> , <b>2017</b> , 38, 224-227	4.8	4
83	Dynamical properties of EMIM-SCN confined in a SiO matrix by means of H NMR relaxometry. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 32605-32616	3.6	27
82	The indications of tautomeric conversion in amorphous bicalutamide drug. <i>European Journal of Pharmaceutical Sciences</i> , <b>2017</b> , 110, 117-123	5.1	7
81	Physical and Structural Characterization of Imidazolium-Based Organic-Inorganic Hybrid: (C3N2H5)2[CoCl4]. <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 2014-21	2.8	22
8o	Dynamics of Molecular Crystals by Means of (1) H NMR Relaxometry: Dynamical Heterogeneity versus Homogenous Motion. <i>ChemPhysChem</i> , <b>2016</b> , 17, 2329-39	3.2	6
79	(1)H NMR relaxometry and quadrupole relaxation enhancement as a sensitive probe of dynamical properties of solids[C(NH2)3]3Bi2I9 as an example. <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 054501	3.9	20
78	Perspectives of Deuteron Field-Cycling NMR Relaxometry for Probing Molecular Dynamics in Soft Matter. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 7754-66	3.4	19
77	Dynamics of ionic liquids in bulk and in confinement by means of (1)H NMR relaxometry - BMIM-OcSO4 in an SiO2 matrix as an example. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 23184-94	3.6	31
76	Systematic theoretical investigation of the zero-field splitting in Gd(III) complexes: wave function and density functional approaches. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 034304	3.9	12
75	Dynamics of [C3H5N2]6[Bi4Br18] by means of (1)H NMR relaxometry and quadrupole relaxation enhancement. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 204503	3.9	10
74	Dynamic Properties of Glass-Formers Governed by the Frequency Dispersion of the Structural Relaxation: Examples from Prilocaine. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 12699-707	3.4	5
73	Dynamics of ferroelectric bis(imidazolium) pentachloroantimonate(III) by means of nuclear magnetic resonance 1H relaxometry and dielectric spectroscopy. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 3564-71	2.8	18
72	1H relaxation enhancement induced by nanoparticles in solutions: influence of magnetic properties and diffusion. <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 174504	3.9	18
71	Solid state field-cycling NMR relaxometry: instrumental improvements and new applications. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , <b>2014</b> , 82, 39-69	10.4	84
70	Determining diffusion coefficients of ionic liquids by means of field cycling nuclear magnetic resonance relaxometry. <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 244509	3.9	66
69	Iso-Frictional Mass Dependence of Diffusion of Polymer Melts Revealed by 1H NMR Relaxometry. <i>Macromolecules</i> , <b>2013</b> , 46, 5538-5548	5.5	28
68	Intermolecular spin relaxation and translation diffusion in liquids and polymer melts: insight from field-cycling 1H NMR relaxometry. <i>ChemPhysChem</i> , <b>2013</b> , 14, 3071-81	3.2	55
67	Long-Time Diffusion in Polymer Melts Revealed by H NMR Relaxometry ACS Macro Letters, <b>2013</b> , 2, 96-99	6.6	15

## (2012-2013)

66	Dynamics and ferroelectric phase transition of (C3N2H5)5Bi2Br11 by means of ac calorimetry and 1H NMR relaxometry. <i>Chemical Physics</i> , <b>2013</b> , 410, 19-24	2.3	20
65	Inter- and Intramolecular Relaxation in Molecular Liquids by Field Cycling 1H NMR Relaxometry.  Applied Magnetic Resonance, 2013, 44, 153-168	0.8	42
64	Evolution of the dynamic susceptibility in molecular glass formers: results from light scattering, dielectric spectroscopy, and NMR. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 12A510	3.9	64
63	Zero-field splitting in nickel(II) complexes: a comparison of DFT and multi-configurational wavefunction calculations. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 064304	3.9	45
62	Translational diffusion in paramagnetic liquids by 1H NMR relaxometry: nitroxide radicals in solution. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 024506	3.9	8
61	Primary and secondary relaxation process in plastically crystalline cyanocyclohexane studied by 2H nuclear magnetic resonance. II. Quantitative analysis. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 074504	3.9	11
60	1H relaxation dispersion in solutions of nitroxide radicals: influence of electron spin relaxation. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 124506	3.9	5
59	ESR lineshape and 1H spin-lattice relaxation dispersion in propylene glycol solutions of nitroxide radicalsjoint analysis. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 244502	3.9	5
58	Crystal structure and characterization of a novel ferroelastic ionic crystal: 1-Aminopyridinium iodide (C5H7N2)+I\(\textit{C}\)Chemical Physics Letters, <b>2012</b> , 537, 38-47	2.5	6
57	Field-cycling NMR relaxometry of viscous liquids and polymers. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , <b>2012</b> , 63, 33-64	10.4	131
57 56		10.4	131
	Resonance Spectroscopy, <b>2012</b> , 63, 33-64		
56	Resonance Spectroscopy, 2012, 63, 33-64  NMR Studies of Solid-State Dynamics. Annual Reports on NMR Spectroscopy, 2012, 67-138  Glassy, Rouse, and Entanglement Dynamics As Revealed by Field Cycling 1H NMR Relaxometry.	1.7	12
56 55	Resonance Spectroscopy, 2012, 63, 33-64  NMR Studies of Solid-State Dynamics. Annual Reports on NMR Spectroscopy, 2012, 67-138  Glassy, Rouse, and Entanglement Dynamics As Revealed by Field Cycling 1H NMR Relaxometry.  Macromolecules, 2012, 45, 2390-2401  Mean Square Displacement and Reorientational Correlation Function in Entangled Polymer Melts	1.7 5.5	12
<ul><li>56</li><li>55</li><li>54</li></ul>	NMR Studies of Solid-State Dynamics. <i>Annual Reports on NMR Spectroscopy</i> , <b>2012</b> , 67-138  Glassy, Rouse, and Entanglement Dynamics As Revealed by Field Cycling 1H NMR Relaxometry. <i>Macromolecules</i> , <b>2012</b> , 45, 2390-2401  Mean Square Displacement and Reorientational Correlation Function in Entangled Polymer Melts Revealed by Field Cycling 1H and 2H NMR Relaxometry. <i>Macromolecules</i> , <b>2012</b> , 45, 6516-6526  Protracted Crossover to Reptation Dynamics: A Field Cycling 1H NMR Study Including Extremely	1.7 5.5 5.5	12 41 49
<ul><li>56</li><li>55</li><li>54</li><li>53</li></ul>	NMR Studies of Solid-State Dynamics. <i>Annual Reports on NMR Spectroscopy</i> , <b>2012</b> , 67-138  Glassy, Rouse, and Entanglement Dynamics As Revealed by Field Cycling 1H NMR Relaxometry. <i>Macromolecules</i> , <b>2012</b> , 45, 2390-2401  Mean Square Displacement and Reorientational Correlation Function in Entangled Polymer Melts Revealed by Field Cycling 1H and 2H NMR Relaxometry. <i>Macromolecules</i> , <b>2012</b> , 45, 6516-6526  Protracted Crossover to Reptation Dynamics: A Field Cycling 1H NMR Study Including Extremely Low Frequencies. <i>Macromolecules</i> , <b>2012</b> , 45, 1408-1416  Intermolecular relaxation in glycerol as revealed by field cycling 1H NMR relaxometry dilution	1.7 5.5 5.5	12 41 49
<ul><li>56</li><li>55</li><li>54</li><li>53</li><li>52</li></ul>	NMR Studies of Solid-State Dynamics. <i>Annual Reports on NMR Spectroscopy</i> , <b>2012</b> , 67-138  Glassy, Rouse, and Entanglement Dynamics As Revealed by Field Cycling 1H NMR Relaxometry. <i>Macromolecules</i> , <b>2012</b> , 45, 2390-2401  Mean Square Displacement and Reorientational Correlation Function in Entangled Polymer Melts Revealed by Field Cycling 1H and 2H NMR Relaxometry. <i>Macromolecules</i> , <b>2012</b> , 45, 6516-6526  Protracted Crossover to Reptation Dynamics: A Field Cycling 1H NMR Study Including Extremely Low Frequencies. <i>Macromolecules</i> , <b>2012</b> , 45, 1408-1416  Intermolecular relaxation in glycerol as revealed by field cycling 1H NMR relaxometry dilution experiments. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 034508	1.7 5.5 5.5 5.5	12 41 49 42 62

48	Sensitivity of 2H NMR spectroscopy to motional models: proteins and highly viscous liquids as examples. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 244509	3.9	O
47	ESR Studies of Paramagnetic Centers in Pharmaceutical Materials - Cefaclor and Clarithromycin as an Example. <i>Acta Physica Polonica A</i> , <b>2012</b> , 121, 514-517	0.6	8
46	NMR Relaxation and ESR Lineshape of Anisotropically Rotating Paramagnetic Molecules. <i>Acta Physica Polonica A</i> , <b>2012</b> , 121, 527-532	0.6	
45	Translational and rotational diffusion of glycerol by means of field cycling 1H NMR relaxometry.  Journal of Physical Chemistry B, <b>2011</b> , 115, 951-7	3.4	70
44	Quadrupole relaxation enhancementapplication to molecular crystals. <i>Solid State Nuclear Magnetic Resonance</i> , <b>2011</b> , 40, 114-20	3.1	40
43	Thermodynamic properties and molecular motions in ferroelectric (C3N2H5)5Sb2Br11. <i>Chemical Physics</i> , <b>2011</b> , 380, 86-91	2.3	6
42	Polymer Dynamics of Polybutadiene in Nanoscopic Confinement As Revealed by Field Cycling1H NMR. <i>Macromolecules</i> , <b>2011</b> , 44, 4017-4021	5.5	34
41	Nuclear quadrupole resonance lineshape analysis for different motional models: stochastic Liouville approach. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 224511	3.9	2
40	Joint analysis of ESR lineshapes and 1H NMRD profiles of DOTA-Gd derivatives by means of the slow motion theory. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 024508	3.9	26
39	Generalization of the Cole-Davidson and Kohlrausch functions to describe the primary response of glass-forming systems. <i>Journal of Physics Condensed Matter</i> , <b>2010</b> , 22, 365101	1.8	21
38	Comparative studies of the dynamics in viscous liquids by means of dielectric spectroscopy and field cycling NMR. <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 7847-55	2.8	45
37	Complex Nuclear Relaxation Processes in Guanidinium Compounds [C(NH2)3]3Sb2X9 (X = Br, Cl): Effects of Quadrupolar Interactions. <i>Applied Magnetic Resonance</i> , <b>2010</b> , 39, 233-249	0.8	13
36	Dynamics of #Tocopherol Acetate: Proton Relaxation Studies Supported by Molecular Dynamics Simulations. <i>Applied Magnetic Resonance</i> , <b>2010</b> , 39, 273-283	0.8	1
35	Fluorine dynamics in BaF2 crystal lattice as an example of complex motion in a simple system. <i>Solid State Nuclear Magnetic Resonance</i> , <b>2009</b> , 35, 187-93	3.1	5
34	Field cycling methods as a tool for dynamics investigations in solid state systems: recent theoretical progress. <i>Solid State Nuclear Magnetic Resonance</i> , <b>2009</b> , 35, 152-63	3.1	23
33	Structural characterization, thermal, dielectric, vibrational properties and molecular motions in. <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 2949-2960	3.3	23
32	General treatment of paramagnetic relaxation enhancement associated with translational diffusion. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 174104	3.9	34
31	Prospectives and Limitations of Nqr Signal Enhancement by Polarisation Transfer. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , <b>2009</b> , 81-93	0.2	1

### (2003-2008)

30	Comparison of different methods for calculating the paramagnetic relaxation enhancement of nuclear spins as a function of the magnetic field. <i>Journal of Chemical Physics</i> , <b>2008</b> , 128, 052315	3.9	87
29	Transport properties of CsHSO4 investigated by impedance spectroscopy and nuclear magnetic resonance. <i>lonics</i> , <b>2008</b> , 14, 223-226	2.7	11
28	Extensive NMRD studies of Ni(II) salt solutions in water and water-glycerol mixtures. <i>Journal of Magnetic Resonance</i> , <b>2008</b> , 195, 103-11	3	23
27	Fluorine dynamics in LaF3-type fast ionic conductors © Combined results of NMR and conductivity techniques. <i>Solid State Ionics</i> , <b>2008</b> , 179, 2350-2357	3.3	20
26	Simultaneous effects of relaxation and polarization transfer in LaF3-type crystals as sources of dynamic information. <i>Solid State Nuclear Magnetic Resonance</i> , <b>2007</b> , 31, 141-52	3.1	16
25	Nuclear quadrupole resonance (NQR) enhancement by polarization transfer and its limitation due to relaxation. <i>Journal Physics D: Applied Physics</i> , <b>2007</b> , 40, 7555-7559	3	2
24	Field Dependent Electron and Quadrupole Spin Relaxation: A Unified Treatment. <i>Acta Physica Polonica A</i> , <b>2007</b> , 111, 215-238	0.6	3
23	Dynamics of fluorine ions in LaF3-type crystals investigated by NMR lineshape analysis. <i>Journal of Physics Condensed Matter</i> , <b>2006</b> , 18, 1725-1741	1.8	9
22	Field-dependent nuclear relaxation of spins 1/2 induced by dipole-dipole couplings to quadrupole spins: LaF3 crystals as an example. <i>Journal of Magnetic Resonance</i> , <b>2006</b> , 179, 250-62	3	26
21	NMR RELAXATION IN SOLUTION OF PARAMAGNETIC COMPLEXES: RECENT THEORETICAL PROGRESS FOR S [i]. <i>Advances in Inorganic Chemistry</i> , <b>2005</b> , 57, 41-104	2.1	101
20	Evolution of solid state systems containing mutually coupled dipolar and quadrupole spins: perturbation treatment. <i>Solid State Nuclear Magnetic Resonance</i> , <b>2005</b> , 28, 180-92	3.1	17
19	Nuclear spin relaxation study of aqueous raffinose solution in the presence of a gadolinium contrast agent. <i>Magnetic Resonance in Chemistry</i> , <b>2005</b> , 43, 235-9	2.1	1
18	On the problem of field-gradient NMR measurements of intracrystalline diffusion in small crystalliteswater in NaA zeolites as an example. <i>Solid State Nuclear Magnetic Resonance</i> , <b>2005</b> , 28, 244-	.છે. <sup>1</sup>	8
17	Analysis of 1HI 4N polarization transfer experiments in molecular crystals. <i>Journal of Physics Condensed Matter</i> , <b>2005</b> , 17, 519-533	1.8	28
16	Nuclear and electron spin relaxation in paramagnetic complexes in solution: effects of the quantum nature of molecular vibrations. <i>Journal of Chemical Physics</i> , <b>2004</b> , 121, 2215-27	3.9	26
15	Internal dynamics of hydroxymethyl rotation from CH2 cross-correlated dipolar relaxation in methyl-beta-D-glucopyranoside. <i>Journal of Magnetic Resonance</i> , <b>2004</b> , 167, 273-81	3	7
14	13C NMR Line Shapes in the Study of Dynamics of Perdeuterated Methyl Groups. <i>Journal of Physical Chemistry A</i> , <b>2004</b> , 108, 9018-9025	2.8	5
13	Nuclear spin relaxation in solution of paramagnetic complexes with large transient zero-field splitting. <i>Molecular Physics</i> , <b>2003</b> , 101, 2861-2874	1.7	25

12	Field-dependent proton relaxation in aqueous solutions of some manganese(II) complexes: a new interpretation. <i>Journal of Biological Inorganic Chemistry</i> , <b>2003</b> , 8, 512-518	3.7	23
11	Nuclear spin relaxation in systems of magnetic spheres. <i>Physica B: Condensed Matter</i> , <b>2003</b> , 328, 302-3	112.8	
10	Nuclear spin relaxation in paramagnetic systems (S>/=1) under fast rotation conditions. <i>Journal of Magnetic Resonance</i> , <b>2003</b> , 162, 229-40	3	31
9	13C NMR lineshapes for the 13C2H2HOsotopomeric spin grouping. <i>ChemPhysChem</i> , <b>2002</b> , 3, 933-8	3.2	6
8	Nuclear spin relaxation in ligands outside of the first coordination sphere in a gadolinium (III) complex: Effects of intermolecular forces. <i>Journal of Chemical Physics</i> , <b>2002</b> , 117, 1194-1200	3.9	14
7	Vibrational motions and nuclear spin relaxation in paramagnetic complexes: Hexaaquonickel(II) as an example. <i>Journal of Chemical Physics</i> , <b>2002</b> , 116, 4079-4086	3.9	18
6	Analysis of the shape of FID signal and NMR spinning sidebands for the Couette flow. <i>Physica B: Condensed Matter</i> , <b>2001</b> , 301, 349-358	2.8	
5	Outer-sphere nuclear spin relaxation in paramagnetic systems: a low-field theory. <i>Molecular Physics</i> , <b>2001</b> , 99, 1435-1445	1.7	27
4	Nuclear spin relaxation in paramagnetic systems with zero-field splitting and arbitrary electron spin. <i>Physical Chemistry Chemical Physics</i> , <b>2001</b> , 3, 4907-4917	3.6	73
3	NMR relaxation spectroscopy: Interference effects. <i>Applied Magnetic Resonance</i> , <b>1999</b> , 17, 367-374	0.8	4
2	Influence of Sample Rotation on the Shape of the Free Induction Decay. <i>Acta Physica Polonica A</i> , <b>1993</b> , 84, 321-325	0.6	1
1	Understanding Spin Dynamics		15