

Boris B Kharkov

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Weak nuclear spin singlet relaxation mechanisms revealed by experiment and computation. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 7531-7538.	2.8	7
2	NMR Spectroscopic Study of Orientational Order in Imidazolium-Based Ionic Liquid Crystals. <i>Crystals</i> , 2019, 9, 495.	2.2	9
3	Singlet excitation in the intermediate magnetic equivalence regime and field-dependent study of singlet-triplet leakage. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 2595-2600.	2.8	12
4	Molecular and Segmental Orientational Order in a Smectic Mesophase of a Thermotropic Ionic Liquid Crystal. <i>Crystals</i> , 2019, 9, 18.	2.2	13
5	Optimal control RF pulses for excitation and suppression of NMR signals in a conductive medium. <i>Journal of Chemical Physics</i> , 2018, 149, 034201.	3.0	1
6	Experimental strategies for ^{13}C - ^{15}N dipolar NMR spectroscopy in liquid crystals at the natural isotopic abundance. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 22187-22196.	2.8	4
7	Effect of convection and B1 inhomogeneity on singlet relaxation experiments. <i>Journal of Magnetic Resonance</i> , 2017, 284, 1-7.	2.1	21
8	Broadband cross-polarization-based heteronuclear dipolar recoupling for structural and dynamic NMR studies of rigid and soft solids. <i>Journal of Chemical Physics</i> , 2016, 144, 034201.	3.0	7
9	Low-power slice selective imaging of broad signals. <i>Journal of Magnetic Resonance</i> , 2016, 272, 61-67.	2.1	0
10	Study of Translational Diffusion Anisotropy of Ionic Smectogens by NMR Diffusometry. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 614, 30-38.	0.9	13
11	Probing Molecular Mobility in Nanostructured Composites by Heteronuclear Dipolar NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2014, 118, 28308-28313.	3.1	4
12	Phase Transitions and Chain Dynamics of Surfactants Intercalated into the Galleries of Naturally Occurring Clay Mineral Magadiite. <i>Langmuir</i> , 2014, 30, 7859-7866.	3.5	19
13	Conformational Dynamics of Surfactant in a Mesolamellar Composite Studied by Local Field NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2013, 117, 24511-24517.	3.1	12
14	Chain dynamics of surfactants in mesoporous silica. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 18620.	2.8	8
15	Sign-sensitive determination of heteronuclear dipolar coupling to spin-1 by selective decoupling. <i>Journal of Chemical Physics</i> , 2012, 137, 234902.	3.0	4
16	Low rf power high resolution ^1H - ^{13}C - ^{14}N separated local field spectroscopy in lyotropic mesophases. <i>Journal of Magnetic Resonance</i> , 2012, 223, 73-79.	2.1	12
17	NMR study of metal-hydrogen systems for hydrogen storage. <i>Journal of Alloys and Compounds</i> , 2011, 509, S804-S808.	5.5	18
18	Spin-lattice relaxation and mobility of protons in the lattice of the TiV _{0.8} Cr _{1.2} alloy. <i>Physics of the Solid State</i> , 2011, 53, 234-241.	0.6	10