

# Alex I Smirnov

## List of Publications by Year in descending order

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181  
papers

3,868  
citations

126858

33  
h-index

175177

52  
g-index

203  
all docs

203  
docs citations

203  
times ranked

4076  
citing authors

#	ARTICLE	IF	CITATIONS
1	Beauty beyond the Eye: Color Centers in Diamond Particles for Imaging and Quantum Sensing Applications. <i>Reviews and Advances in Chemistry</i> , 2022, 12, 1-21.	0.2	4
2	Characterization of photonic band resonators for DNP NMR of thin film samples at 7T magnetic field. <i>Journal of Magnetic Resonance</i> , 2021, 323, 106893.	1.2	2
3	Nonequilibrium quantum critical steady state: Transport through a dissipative resonant level. <i>Physical Review Research</i> , 2021, 3, .	1.3	3
4	Electronic Structure of the Primary Electron Donor $P_{700}^{+}$ in Photosystem I Studied by Multifrequency HYSCORE Spectroscopy at X- and Q-Band. <i>Journal of Physical Chemistry B</i> , 2021, 125, 36-48.	1.2	5
5	R. Linn Belford: A Scientific Journey from Understanding EPR Spectra to Building High Field EPR Instrumentation. <i>ACS Symposium Series</i> , 2020, , 175-195.	0.5	0
6	Alternative Reactivity of Leucine 5-Hydroxylase Using an Olefin-Containing Substrate to Construct a Substituted Piperidine Ring. <i>Biochemistry</i> , 2020, 59, 1961-1965.	1.2	6
7	Electrostatics at Peptide-Lipid Interface in Nano-Bio Hybrid Systems by Spin-Labeling EPR. <i>Biophysical Journal</i> , 2020, 118, 81a.	0.2	0
8	Electrostatic properties of inner nanopore surfaces of anodic aluminum oxide membranes upon high temperature annealing revealed by EPR of pH-sensitive spin probes and labels. <i>Journal of Membrane Science</i> , 2020, 604, 118084.	4.1	13
9	Rhodopsin Oligomerization in Synthetic Lipid Bilayers and Native Cellular Membranes as Studied by DEER of a Spin-labeled Retinal Analog. <i>Biophysical Journal</i> , 2020, 118, 368a.	0.2	0
10	Effect of Silica Support on Electrostatics of Lipid Interfaces in Nano-Bio Hybrid Systems. <i>Biophysical Journal</i> , 2019, 116, 81a.	0.2	0
11	EPR studies of bionanomaterials. <i>Experimental Methods in the Physical Sciences</i> , 2019, 50, 129-159.	0.1	0
12	Liquid Metal Nanoparticles as Initiators for Radical Polymerization of Vinyl Monomers. <i>ACS Macro Letters</i> , 2019, 8, 1522-1527.	2.3	109
13	Nesting Lipid Bilayers in Nanopores: Effect of Pore Diameter on Macroscopic Order and the Layer Count. <i>Biophysical Journal</i> , 2019, 116, 80a-81a.	0.2	0
14	Nanotribological Performance Factors for Aqueous Suspensions of Oxide Nanoparticles and Their Relation to Macroscale Lubricity. <i>Lubricants</i> , 2019, 7, 49.	1.2	6
15	A biradical-tagged phospholipid as a polarizing agent for solid-state MAS Dynamic Nuclear Polarization NMR of membrane proteins. <i>Solid State Nuclear Magnetic Resonance</i> , 2019, 100, 92-101.	1.5	8
16	Dielectric and Electrostatic Properties of the Silica Nanoparticle-Water Interface by EPR of pH-Sensitive Spin Probes. <i>Journal of Physical Chemistry C</i> , 2019, 123, 29972-29985.	1.5	7
17	Tuning friction and slip at solid-nanoparticle suspension interfaces by electric fields. <i>Scientific Reports</i> , 2019, 9, 18584.	1.6	10
18	Enhancing sensitivity of Double Electron-Electron Resonance (DEER) by using Relaxation-Optimized Acquisition Length Distribution (RELOAD) scheme. <i>Journal of Magnetic Resonance</i> , 2019, 298, 115-126.	1.2	5

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19	Photonic band-gap resonators for high-field/high-frequency EPR of microliter-volume liquid aqueous samples. <i>Journal of Magnetic Resonance</i> , 2018, 296, 152-164.	1.2	8
20	Multi-resonant photonic band-gap/saddle coil DNP probehead for static solid state NMR of microliter volume samples. <i>Journal of Magnetic Resonance</i> , 2018, 297, 113-123.	1.2	14
21	Elucidating the Reaction Pathway of Decarboxylation-Assisted Olefination Catalyzed by a Mononuclear Non-Heme Iron Enzyme. <i>Journal of the American Chemical Society</i> , 2018, 140, 15190-15193.	6.6	30
22	Competition between dynamic and structural disorder in a doped triangular antiferromagnet $\text{RbFe}(\text{MoO}_4)_2$ . <i>Journal of Physics: Conference Series</i> , 2018, 969, 012115.	0.3	1
23	efocused ut- f- ase (ROOPh) DEER: A pulse scheme for suppressing an unmodulated background in double electron-electron resonance experiments. <i>Journal of Magnetic Resonance</i> , 2018, 293, 9-18.	1.2	8
24	Using Hyscore Spectroscopy of Nitroxides to Profile Water Content of Lipid Bilayers with 2 Å... Spatial Resolution. <i>Biophysical Journal</i> , 2018, 114, 16a.	0.2	0
25	Nanopore-Confined Bilayers: A Model of Biomembranes with Defined Curvature and a Tool for Oriented Sample Magnetic Resonance. <i>Biophysical Journal</i> , 2018, 114, 402a.	0.2	0
26	Silica-Supported Lipid Bilayers: Electrostatic Effects at Lipid Interfaces as Reported by Spin-Labeling EPR. <i>Biophysical Journal</i> , 2018, 114, 96a.	0.2	2
27	Proton Activity in Nanochannels Revealed by Electron Paramagnetic Resonance of Ionizable Nitroxides: A Test of the Poisson-Boltzmann Double Layer Theory. <i>Journal of Physical Chemistry C</i> , 2018, 122, 20527-20538.	1.5	12
28	Effect of Solution Ionic Strength on the pKa of the Nitroxide pH EPR Probe 2,2,3,4,5,5-Hexamethylimidazolidin-1-oxyl. <i>Cell Biochemistry and Biophysics</i> , 2017, 75, 185-193.	0.9	5
29	IKMTSL-PTE, a Phospholipid-Based EPR Probe for Surface Electrostatic Potential of Biological Interfaces at Neutral pH: Effects of Temperature and Effective Dielectric Constant of the Solvent. <i>Journal of Physical Chemistry B</i> , 2017, 121, 2443-2453.	1.2	13
30	Structure and Dynamics of Nanopore-Confined Membrane Proteins are Affected by Bilayer Lipid Composition. <i>Biophysical Journal</i> , 2017, 112, 388a.	0.2	0
31	Oligomeric Structure of Anabaena Sensory Rhodopsin in a Lipid Bilayer Environment by Combining Solid-State NMR and Long-range DEER Constraints. <i>Journal of Molecular Biology</i> , 2017, 429, 1903-1920.	2.0	47
32	Spin Probe Multi-Frequency EPR Study of Unprocessed Cotton Fibers. <i>Cell Biochemistry and Biophysics</i> , 2017, 75, 211-226.	0.9	4
33	Glycol Chitosan Engineered Autoregenerative Antioxidant Significantly Attenuates Pathological Damages in Models of Age-Related Macular Degeneration. <i>ACS Nano</i> , 2017, 11, 4669-4685.	7.3	61
34	Effects of Silica Support on Dynamics of Transmembrane Peptides and Effective pKa of Ionisable Sidechains. <i>Biophysical Journal</i> , 2017, 112, 175a.	0.2	0
35	Fluence-Dependent Evolution of Paramagnetic Triplet Centers in e-Beam Irradiated Microcrystalline Ib Type HPHT Diamond. <i>Journal of Physical Chemistry C</i> , 2017, 121, 22335-22346.	1.5	22
36	A Combined QCM and AFM Study Exploring the Nanoscale Lubrication Mechanism of Silica Nanoparticles in Aqueous Suspension. <i>Tribology Letters</i> , 2017, 65, 1.	1.2	15

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37	Interfacial Electrostatic Properties of Hydrated Mesoporous and Nanostructured Alumina Powders by Spin Labeling EPR. Cell Biochemistry and Biophysics, 2017, 75, 159-170.	0.9	9
38	Electron Paramagnetic Resonance Spectroscopy to Study Liquid Food and Beverages. , 2017, , 83-109.		4
39	A comparative study of the nanoscale and macroscale tribological attributes of alumina and stainless steel surfaces immersed in aqueous suspensions of positively or negatively charged nanodiamonds. Beilstein Journal of Nanotechnology, 2017, 8, 2045-2059.	1.5	10
40	Order by Quenched Disorder in the Model Triangular Antiferromagnet $\langle \text{RbFe} \text{MoO} \rangle$	2.9	28
41	Physical Review Letters, 2017, 119, 047204. Multi-frequency ferromagnetic resonance investigation of nickel nanocubes encapsulated in diamagnetic magnesium oxide matrix. Journal of Applied Physics, 2016, 120, .	1.1	3
42	Ordering Effect Induced by SARS-CoV Fusion Peptides on Membranes Containing Negatively Charged Lipids Might be Important to Membrane Fusion. Biophysical Journal, 2016, 110, 418a.	0.2	0
43	Interactions of Antibacterial Peptides with Nanotubular Lipid Bilayers: Binding Kinetics and Distortions of the Bilayer Structure. Biophysical Journal, 2016, 110, 79a.	0.2	0
44	Magnetic resonance of spinons in quantum magnets. Physics-Usppekhi, 2016, 59, 564-570.	0.8	5
45	Acid-Base Properties of Nanoconfined Volumes of Anodic Aluminum Oxide Pores by EPR of pH-Sensitive Spin Probes. Journal of Physical Chemistry C, 2016, 120, 2703-2711.	1.5	19
46	Determining Oligomeric Order of a Membrane Protein by Double Electron-Electron Resonance Spectroscopy. Biophysical Journal, 2015, 108, 93a.	0.2	0
47	Snorkeling of the Charged Sidechain of a Transmembrane Peptide as Directly Observed by Double Electron-Electron Resonance Experiment. Biophysical Journal, 2015, 108, 203a.	0.2	0
48	Peptide-Membrane Interactions by Spin-Labeling EPR. Methods in Enzymology, 2015, 564, 219-258.	0.4	13
49	Nanotube Array Method for Studying Lipid-Induced Conformational Changes of a Membrane Protein by Solid-State NMR. Biophysical Journal, 2015, 108, 5-9.	0.2	14
50	Cysteine-Specific Labeling of Proteins with a Nitroxide Biradical for Dynamic Nuclear Polarization NMR. Journal of Physical Chemistry B, 2015, 119, 10180-10190.	1.2	53
51	Ionizable Nitroxides for Studying Local Electrostatic Properties of Lipid Bilayers and Protein Systems by EPR. Methods in Enzymology, 2015, 564, 191-217.	0.4	8
52	Tribological properties of nanodiamonds in aqueous suspensions: effect of the surface charge. RSC Advances, 2015, 5, 78933-78940.	1.7	21
53	Line Narrowing in Oriented-Sample NMR of Membrane Proteins. Biological Magnetic Resonance, 2015, , 159-185.	0.4	0
54	Laser annealing induced ferromagnetism in SrTiO3 single crystal. Applied Physics Letters, 2014, 105, 042403.	1.5	34

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55	Curved Lipid Bilayers: Structure, Dynamics, Phase Properties and Surface Electrostatics. Biophysical Journal, 2014, 106, 221a.	0.2	0
56	Profiling the Dielectric Constant at the Membrane-Peptide Interface using Ionizable EPR Probes. Biophysical Journal, 2014, 106, 508a.	0.2	0
57	Surface Electrostatics and Peptide Binding to Lipid Bilayer of Defined Curvature. Biophysical Journal, 2013, 104, 98a.	0.2	1
58	Molecular pH Probes at a Protein-Lipid Interface: Assessment of Local Dielectric Environment for Transmembrane Peptide. Biophysical Journal, 2013, 104, 373a.	0.2	0
59	Observation of Majorana quantum critical behaviour in a resonant level coupled to a dissipative environment. Nature Physics, 2013, 9, 732-737.	6.5	60
60	Surface Electrostatics of Lipid Bilayers by EPR of a pH-Sensitive Spin-Labeled Lipid. Biophysical Journal, 2013, 104, 106-116.	0.2	19
61	Phonon Bottleneck in Graphene-Based Josephson Junctions at Millikelvin Temperatures. Physical Review Letters, 2013, 111, 027001.	2.9	40
62	EPR assessment of protein sites for incorporation of Gd(III) MRI contrast labels. Contrast Media and Molecular Imaging, 2013, 8, 252-264.	0.4	11
63	The UDP-diacylglycerol Pyrophosphohydrolase LpxH in Lipid A Biosynthesis Utilizes Mn <sup>2+</sup> Cluster for Catalysis. Journal of Biological Chemistry, 2013, 288, 26987-27001.	1.6	16
64	Low Energy Dynamics in Spin-Liquid and Ordered Phases of S=1/2 Antiferromagnet Cs <sub>2</sub> CuCl <sub>4</sub> . Journal of Physics: Conference Series, 2012, 400, 032091.	0.3	0
65	Probing Dielectric and Hydrogen Bonding Gradients in Biological Membranes. Biophysical Journal, 2012, 102, 414a.	0.2	0
66	Chaperon and Lipid Composition Requirements for Transmembrane Insertion of CesA Helices 4 and 5. Biophysical Journal, 2012, 102, 440a.	0.2	0
67	Quantum phase transition in a resonant level coupled to interacting leads. Nature, 2012, 488, 61-64.	13.7	71
68	Role of Electrostatic and Hydrogen Bonding Environment in Sequestering Lipids from Membranes Into the Sec14 Protein Cavity. Biophysical Journal, 2011, 100, 552a-553a.	0.2	0
69	EPR Studies of Nanomaterials. , 2011, , 825-843.		8
70	Ba <sub>4</sub> KFe <sub>3</sub> O <sub>9</sub> : A Novel Ferrite Containing Discrete 6-Membered Rings of Corner-Sharing FeO <sub>4</sub> Tetrahedra. Inorganic Chemistry, 2011, 50, 10310-10318.	1.9	10
71	Surface Electrostatics Associated with Lipid Bilayer Curvature. Biophysical Journal, 2011, 100, 505a.	0.2	0
72	Surface-Mediated Production of Hydroxyl Radicals as a Mechanism of Iron Oxide Nanoparticle Biototoxicity. Journal of the American Chemical Society, 2011, 133, 35-41.	6.6	310

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73	Intrinsic Room-Temperature Ferromagnetic Properties of Ni-Doped ZnO Thin Films. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 3250-3254.	1.1	3
74	Coexistence of spiral and commensurate structures in a triangular antiferromagnet $KFe(MoO_4)_2$ . Journal of Physics: Conference Series, 2010, 200, 032068.	0.3	3
75	Mott transition in Ga-doped $Mg_{1-x}Zn_xO$ : A direct observation. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 171, 90-92.	1.7	4
76	Micro-fluidic channels on nanopatterned substrates: Monitoring protein binding to lipid bilayers with surface-enhanced Raman spectroscopy. Chemical Physics Letters, 2010, 489, 121-126.	1.2	17
77	Reversible room temperature ferromagnetism in undoped zinc oxide: Correlation between defects and physical properties. Journal of Applied Physics, 2010, 108, .	1.1	64
78	Heterogeneous Dielectric and Hydrogen Bonding Environment of Transmembrane Peptides. Biophysical Journal, 2010, 98, 87a.	0.2	1
79	Graphenated IR Screens. IEEE Sensors Journal, 2010, 10, 419-422.	2.4	5
80	Detection of localized ferromagnetic resonance in a continuous thin film via magnetic resonance force microscopy. Physical Review B, 2009, 79, .	1.1	13
81	Low-frequency spin dynamics of the frustrated pyrochlore magnet $Gd_2Ti_2O_7$ . Journal of Physics: Conference Series, 2009, 150, 042188.	0.3	1
82	Spin-Labeled pH-Sensitive Phospholipids for Interfacial $pK_a$ Determination: Synthesis and Characterization in Aqueous and Micellar Solutions. Journal of Physical Chemistry B, 2009, 113, 3453-3460.	1.2	32
83	Two-dimensional Calorimetry: Imaging Thermodynamics and Kinetics of Phase Transitions of Biological Membranes. Biophysical Journal, 2009, 96, 549a.	0.2	0
84	Post-processing of EPR spectra by convolution filtering: Calculation of a harmonics series and automatic separation of fast-motion components from spin-label EPR spectra. Journal of Magnetic Resonance, 2008, 190, 154-159.	1.2	21
85	Characterization of magnetic and electronic properties of trimetallic nitride endohedral fullerenes by SQUID magnetometry and electron paramagnetic resonance. Chemical Physics Letters, 2008, 453, 233-237.	1.2	15
86	Defect dependent ferromagnetism in MgO doped with Ni and Co. Applied Physics Letters, 2008, 93, .	1.5	39
87	Mapping Local Protein Electrostatics by EPR of pH-Sensitive Thiol-Specific Nitroxide. Biochemistry, 2008, 47, 5626-5637.	1.2	23
88	Interfacial Surface Properties of Thiol-Protected Gold Nanoparticles: A Molecular Probe EPR Approach. Langmuir, 2008, 24, 609-612.	1.6	29
89	Polarization-dependent fluorescence of proteins bound to nanopore-confined lipid bilayers. Journal of Chemical Physics, 2008, 129, 095102.	1.2	10
90	Triplet spin resonance of the Haldane magnet $PbNi_2V_2O_8$ with interchain coupling. Physical Review B, 2008, 77, .	1.1	14

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91	Geometry of Hydrogen Bonds Formed by Lipid Bilayer Nitroxide Probes: A High-Frequency Pulsed ENDOR/EPR Study. <i>Journal of the American Chemical Society</i> , 2007, 129, 3476-3477.	6.6	32
92	Neutron transmutation of 10B doped diamond. <i>Diamond and Related Materials</i> , 2007, 16, 50-62.	1.8	7
93	Triangular lattice antiferromagnet $RbFe(MoO_4)_2$ in high magnetic fields. <i>Physical Review B</i> , 2007, 75, .	1.1	68
94	Surface enhanced Raman scattering of biospecies on anodized aluminum oxide films. <i>Chemical Physics Letters</i> , 2007, 440, 239-243.	1.2	30
95	Mesoscopic spin clusters, phase separation, and induced order in spin-gap magnets: A review. <i>Journal of Experimental and Theoretical Physics</i> , 2007, 105, 861-879.	0.2	8
96	High-Field ESR Spectroscopy in Membrane and Protein Biophysics. , 2007, , 165-251.		6
97	Magnetic phase diagram, critical behavior, and two-dimensional to three-dimensional crossover in the triangular lattice antiferromagnet $RbFe(MoO_4)_2$ . <i>Physical Review B</i> , 2006, 74, .	1.1	61
98	Formation of a Ripple Phase in Nanotubular Dimyristoylphosphatidylcholine Bilayers Confined Inside Nanoporous Aluminum Oxide Substrates Observed by DSC. <i>Langmuir</i> , 2006, 22, 5563-5565.	1.6	19
99	Flow-Through Lipid Nanotube Arrays for Structure-Function Studies of Membrane Proteins by Solid-State NMR Spectroscopy. <i>Biophysical Journal</i> , 2006, 91, 3076-3084.	0.2	36
100	Ultra-stable temperature control in EPR experiments: Thermodynamics of gel-to-liquid phase transition in spin-labeled phospholipid bilayers and bilayer perturbations by spin labels. <i>Journal of Magnetic Resonance</i> , 2006, 182, 229-238.	1.2	21
101	Magnetic resonance of collective states in spin-gap magnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 300, 216-220.	1.0	3
102	Title is missing!. <i>Physics-Usppekhi</i> , 2006, 49, 649.	0.8	1
103	Cryogen-free superconducting magnet system for multifrequency electron paramagnetic resonance up to 12.1T. <i>Review of Scientific Instruments</i> , 2006, 77, 035108.	0.6	16
104	Adiabatic demagnetization of a pyrochlore antiferromagnet $Gd_2Ti_2O_7$ . <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 290-291, 709-711.	1.0	5
105	$^{15}N$ and $^{31}P$ solid-state NMR study of transmembrane domain alignment of M2 protein of influenza A virus in hydrated cylindrical lipid bilayers confined to anodic aluminum oxide nanopores. <i>Journal of Magnetic Resonance</i> , 2005, 173, 322-327.	1.2	32
106	Practical conditions and limitations for high-spatial-resolution multisite EPR oximetry. <i>Applied Magnetic Resonance</i> , 2005, 28, 69-78.	0.6	23
107	The Method of Possible States and Its Application to the Chemical Thermodynamic Analysis of Nonequilibrium Processes in a Multicomponent Mixture of Reacting Gases under Isobaric Adiabatic Conditions. <i>Theoretical Foundations of Chemical Engineering</i> , 2005, 39, 250-258.	0.2	0
108	Field-Controlled Phase Separation at the Impurity-Induced Magnetic Ordering in the Spin-Peierls Magnet $CuGeO_3$ . <i>Physical Review Letters</i> , 2005, 94, 057205.	2.9	8

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109	Structural studies of New Zealand pounamu using Mössbauer spectroscopy and electron paramagnetic resonance. <i>Journal of the Royal Society of New Zealand</i> , 2005, 35, 385-398.	1.0	3
110	Synthesis, Structure, and X-Band (9.5 GHz) EPR Characterization of the New Series of pH-Sensitive Spin Probes: $\text{N,N}$ -Disubstituted 4-Amino-2,2,5,5-tetramethyl-3-imidazoline 1-Oxyls. <i>Journal of Organic Chemistry</i> , 2005, 70, 9702-9711.	1.7	24
111	Antioxidant Pool in Beer and Kinetics of EPR Spin-Trapping. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 6870-6876.	2.4	13
112	Use of Nitroxide Spin Probes and Electron Paramagnetic Resonance for Assessing Reducing Power of Beer. Role of SH Groups. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 1052-1057.	2.4	17
113	Cooperativity and Kinetics of Phase Transitions in Nanopore-Confined Bilayers Studied by Differential Scanning Calorimetry. <i>Biophysical Journal</i> , 2005, 88, L11-L13.	0.2	21
114	Magnetocaloric effect in pyrochlore antiferromagnet $\text{Gd}_2\text{Ti}_2\text{O}_7$ . <i>Physical Review B</i> , 2005, 71, .	1.1	77
115	Interaction of triplet excitations with spin chain ends in the Haldane magnet $\text{PbNi}_2\text{V}_2\text{O}_8$ . <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 880-881.	1.0	5
116	Investigation of the Electronic and Structural Properties of Potassium Hexaboride, $\text{KB}_6$ , by Transport, Magnetic Susceptibility, EPR, and NMR Measurements, Temperature-Dependent Crystal Structure Determination, and Electronic Band Structure Calculations. <i>Inorganic Chemistry</i> , 2004, 43, 4974-4987.	1.9	33
117	Site-Directed Electrostatic Measurements with a Thiol-Specific pH-Sensitive Nitroxide: Differentiating Local pKa and Polarity Effects by High-Field EPR. <i>Journal of the American Chemical Society</i> , 2004, 126, 8872-8873.	6.6	46
118	Convolution-Based Algorithm: from Analysis of Rotational Dynamics to EPR Oximetry and Protein Distance Measurements. <i>Biological Magnetic Resonance</i> , 2004, , 277-348.	0.4	8
119	High Field ESR: Applications to Protein Structure and Dynamics. <i>Biological Magnetic Resonance</i> , 2004, , 95-143.	0.4	8
120	Triangular lattice antiferromagnet $\text{RbFe}(\text{MoO}_4)_2$ in an applied magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 258-259, 394-397.	1.0	6
121	Spin-Labeling in High-Field EPR. <i>ChemInform</i> , 2003, 34, no.	0.1	0
122	Microscopic magnetic phase separation at the impurity stimulated antiferromagnetic ordering of two spin-gap magnets. <i>Physica B: Condensed Matter</i> , 2003, 329-333, 699-700.	1.3	1
123	Dynamic Molecular Oxygen Accessibility to a Buried $\text{Mn}^{2+}$ Protein Site: A High-Field EPR Experiment. <i>Journal of Physical Chemistry B</i> , 2003, 107, 7212-7215.	1.2	8
124	Structural phase transition in the two-dimensional triangular lattice antiferromagnet $\text{RbFe}(\text{MoO}_4)_2$ . <i>Physical Review B</i> , 2003, 68, .	1.1	31
125	Substrate-Supported Lipid Nanotube Arrays. <i>Journal of the American Chemical Society</i> , 2003, 125, 8434-8435.	6.6	54
126	Separation of the magnetic phases at the Néel point in the diluted spin-Peierls magnet $\text{CuGeO}_3$ . <i>Physical Review B</i> , 2002, 65, .	1.1	19



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127	Paramagnetic and antiferromagnetic resonances in the diamagnetically diluted Haldane magnet $\text{PbNi}_2\text{V}_2\text{O}_8$ . <i>Physical Review B</i> , 2002, 65, .	1.1	25
128	Comparative Spin Label Spectra at X-Band and W-band. , 2002, , 83-107.		9
129	High field electron paramagnetic resonance of $\text{Gd}^{3+}$ -doped glasses: Line shapes and average ion distances in silicates. <i>Journal of Chemical Physics</i> , 2001, 115, 7650-7656.	1.2	17
130	Studies of Cetylpyridinium Chloride and Cetylpyridinium Salicylate in Solution and Adsorbed on Silica Surfaces Using X- and W-Band Electron Paramagnetic Resonance Spectroscopy. <i>Langmuir</i> , 2001, 17, 2346-2356.	1.6	2
131	Redox Properties of $\text{C}_6\text{S}_8$ and $\text{C}_3\text{S}_5$ ( $n = 0, 1, 2$ ): Stable Radicals and Unusual Structural Properties for $\text{C}^{\sim}\text{S}^{\sim}\text{C}$ Bonds. <i>Inorganic Chemistry</i> , 2001, 40, 1421-1429.	1.9	35
132	High Spatial Resolution Multi-Site EPR Oximetry The Use of a Convolution-Based Fitting Method. <i>Journal of Magnetic Resonance</i> , 2001, 152, 247-258.	1.2	4
133	Resolving domains of interdigitated phospholipid membranes with 95 GHz spin labeling EPR. <i>Applied Magnetic Resonance</i> , 2001, 21, 453-467.	0.6	26
134	Multifrequency electron paramagnetic resonance of ultramarine blue. <i>Applied Magnetic Resonance</i> , 2001, 21, 563-570.	0.6	16
135	Investigating Magnetically Aligned Phospholipid Bilayers with EPR Spectroscopy at 94 GHz. <i>Journal of Magnetic Resonance</i> , 2001, 151, 253-259.	1.2	22
136	High Spatial Resolution Multi-Site EPR Oximetry. <i>Journal of Magnetic Resonance</i> , 2001, 152, 247-258.	1.2	34
137	ESR study of the residual magnetism in the spin $\pi$ -Peierls phase. <i>Physica B: Condensed Matter</i> , 2000, 284-288, 1649-1650.	1.3	2
138	Synthesis, single crystal X-ray structure and W-band (95 GHz) EPR spectroscopy of a new anionic isoindoline aminoxyl: synthesis and characterisation of some derivatives. <i>Perkin Transactions II RSC</i> , 2000, , 1285-1291.	1.1	27
139	Interaction of $\text{Gd}(\text{III})$ MRI contrast agents with membranes: a review of recent EPR studies. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 1999, 8, 214-229.	1.1	2
140	Electron paramagnetic resonance W-band spectrometer with a low-noise amplifier. <i>Applied Magnetic Resonance</i> , 1999, 16, 167-183.	0.6	38
141	Interaction of $\text{Gd}(\text{III})$ MRI contrast agents with membranes: a review of recent EPR studies. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 1999, 8, 214-229.	1.1	9
142	A new water-soluble and lipid-insoluble spin probe: application to the study of aqueous sucrose solutions. <i>Magnetic Resonance in Chemistry</i> , 1999, 37, 36-42.	1.1	17
143	Magnetic resonance imaging in a hands-on student experiment using an EPR spectrometer. <i>Concepts in Magnetic Resonance</i> , 1999, 11, 277-290.	1.3	4
144	Synthesis and characterization of $\text{ReV}$ , $\text{ReVI}$ and $\text{ReVII}$ complexes of the $[\pm\text{-P}_2\text{W}_{17}\text{O}_{61}]_{10}$ isomer. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 301.	1.1	30

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145	Solution Electron Affinity Perturbation Due to the Deuteration of [16]Annulene. <i>Journal of Physical Chemistry A</i> , 1999, 103, 8566-8572.	1.1	9
146	Bioreduction of Tempone and Spin-Labeled Gentamicin by Gram-Negative Bacteria: Kinetics and Effect of Ultrasound. <i>Archives of Biochemistry and Biophysics</i> , 1999, 362, 233-241.	1.4	29
147	Lipid Magnetic Resonance Imaging Contrast Agent Interactions: A Spin-Labeling and a Multifrequency EPR Study. <i>Journal of the American Chemical Society</i> , 1998, 120, 5060-5072.	6.6	38
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