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	Surface-Mediated Production of Hydroxyl Radicals as a Mechanism of Iron Oxide Nanoparticle Biotoxicity. Journal of the American Chemical Society, 2011, 133, 35-41.	6.6	310
2	Molecular distances from dipolar coupled spin-labels: the global analysis of multifrequency continuous wave electron paramagnetic resonance data. Biophysical Journal, 1997, 72, 1861-1877.	0.2	137
3	Observation of a Triplet Phosphinidene by ESR Spectroscopy. Journal of the American Chemical Society, 1994, 116, 7899-7900.	6.6	121
4	Liquid Metal Nanoparticles as Initiators for Radical Polymerization of Vinyl Monomers. ACS Macro Letters, 2019, 8, 1522-1527.	2.3	109
5	Rapid Quantitation from Inhomogeneously Broadened EPR Spectra by a Fast Convolution Algorithm. Journal of Magnetic Resonance Series A, 1995, 113, 65-73.	1.6	89
6	Simultaneous multi-site EPR spectroscopyin vivo. Magnetic Resonance in Medicine, 1993, 30, 213-220.	1.9	78
7	Magnetocaloric effect in pyrochlore antiferromagnetGd2Ti2O7. Physical Review B, 2005, 71, .	1.1	77
8	Quantum phase transition in a resonant level coupled to interacting leads. Nature, 2012, 488, 61-64.	13.7	71
9	Triangular lattice antiferromagnetRbFe(MoO4)2in high magnetic fields. Physical Review B, 2007, 75, .	1.1	68
10	Very high frequency electron paramagnetic resonance of 2,2,6,6-tetramethyl-1-piperidinyloxy in 1,2-dipalmitoyl-sn-glycero-3-phosphatidylcholine liposomes: partitioning and molecular dynamics. Biophysical Journal, 1995, 68, 2350-2360.	0.2	66
11	Reversible room temperature ferromagnetism in undoped zinc oxide: Correlation between defects and physical properties. Journal of Applied Physics, 2010, 108, .	1.1	64
12	Magnetic phase diagram, critical behavior, and two-dimensional to three-dimensional crossover in the triangular lattice antiferromagnetRbFe(MoO4)2. Physical Review B, 2006, 74, .	1.1	61
13	Glycol Chitosan Engineered Autoregenerative Antioxidant Significantly Attenuates Pathological Damages in Models of Age-Related Macular Degeneration. ACS Nano, 2017, 11, 4669-4685.	7.3	61
14	Observation of Majorana quantum critical behaviour in a resonant level coupled to a dissipative environment. Nature Physics, 2013, 9, 732-737.	6.5	60
15	Factors Affecting the Permeability ofPseudomonas aeruginosaCell Walls toward Lipophilic Compounds: Effects of Ultrasound and Cell Age. Archives of Biochemistry and Biophysics, 1997, 344, 114-124.	1.4	58
16	Substrate-Supported Lipid Nanotube Arrays. Journal of the American Chemical Society, 2003, 125, 8434-8435.	6.6	54
17	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
18	EPR Linewidth (T2) Method to Measure Oxygen Permeability of Phospholipid Bilayers and Its Use to Study the Effect of Low Ethanol Concentrations. Journal of Magnetic Resonance Series B, 1996, 111, 149-157.	1.6	49

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19	Direct measurement of the accumulation and mitochondrial conversion of nitric oxide within Chinese hamster ovary cells using an intracellular electron paramagnetic resonance technique. Biochimica Et Biophysica Acta - General Subjects, 1995, 1243, 496-502.	1.1	48
20	Multi-frequency EPR determination of zero field splitting of high spin species in liquids: Gd(III) chelates in water. Molecular Physics, 1998, 95, 1325-1332.	0.8	47
21	Oligomeric Structure of Anabaena Sensory Rhodopsin in a Lipid Bilayer Environment by Combining Solid-State NMR and Long-range DEER Constraints. Journal of Molecular Biology, 2017, 429, 1903-1920.	2.0	47
22	Site-Directed Electrostatic Measurements with a Thiol-Specific pH-Sensitive Nitroxide:Â Differentiating Local pKand Polarity Effects by High-Field EPR. Journal of the American Chemical Society, 2004, 126, 8872-8873.	6.6	46
23	W-Band (95 GHz) EPR Spectroscopy of Nitroxide Radicals with Complex Proton Hyperfine Structure: Fast Motion. The Journal of Physical Chemistry, 1995, 99, 9008-9016.	2.9	42
24	Phonon Bottleneck in Graphene-Based Josephson Junctions at Millikelvin Temperatures. Physical Review Letters, 2013, 111, 027001.	2.9	40
25	Defect dependent ferromagnetism in MgO doped with Ni and Co. Applied Physics Letters, 2008, 93, .	1.5	39
26	Physical and Instrumental Considerations in the Use of Lithium Phthalocyanine for Measurements of the Concentration of the Oxygen. Journal of Magnetic Resonance Series B, 1994, 103, 95-102.	1.6	38
27	Accuracy of Oxygen Measurements inT2 (Line Width) EPR Oximetry. Magnetic Resonance in Medicine, 1995, 33, 801-810.	1.9	38
28	Lipid Magnetic Resonance Imaging Contrast Agent Interactions:Â A Spin-Labeling and a Multifrequency EPR Study. Journal of the American Chemical Society, 1998, 120, 5060-5072.	6.6	38
29	Electron paramagnetic resonance W-band spectrometer with a low-noise amplifier. Applied Magnetic Resonance, 1999, 16, 167-183.	0.6	38
30	Flow-Through Lipid Nanotube Arrays for Structure-Function Studies of Membrane Proteins by Solid-State NMR Spectroscopy. Biophysical Journal, 2006, 91, 3076-3084.	0.2	36
31	Redox Properties of C6S8n-and C3S5n-(n= 0, 1, 2):Â Stable Radicals and Unusual Structural Properties for Câ˜Sâ˜Sâ˜C Bonds. Inorganic Chemistry, 2001, 40, 1421-1429.	1.9	35
32	High Spatial Resolution Multi-Site EPR Oximetry. Journal of Magnetic Resonance, 2001, 152, 247-258.	1.2	34
33	Laser annealing induced ferromagnetism in SrTiO3 single crystal. Applied Physics Letters, 2014, 105, 042403.	1.5	34
34	Investigation of the Electronic and Structural Properties of Potassium Hexaboride, KB6, by Transport, Magnetic Susceptibility, EPR, and NMR Measurements, Temperature-Dependent Crystal Structure Determination, and Electronic Band Structure Calculations. Inorganic Chemistry, 2004, 43, 4974-4987.	1.9	33
35	15N and 31P 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. Journal of Magnetic Resonance, 2005, 173, 322-327.	1.2	32
36	Geometry of Hydrogen Bonds Formed by Lipid Bilayer Nitroxide Probes:Â A High-Frequency Pulsed ENDOR/EPR Study. Journal of the American Chemical Society, 2007, 129, 3476-3477.	6.6	32

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37	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
38	Structural phase transition in the two-dimensional triangular lattice antiferromagnetRbFe(MoO4)2. Physical Review B, 2003, 68, .	1.1	31
39	Synthesis and characterization of ReV, ReVI and ReVII complexes of the [Î±-P2W17O61]10â€“ isomer. Journal of the Chemical Society Dalton Transactions, 1999, , 301.	1.1	30
40	Surface enhanced Raman scattering of biospecies on anodized aluminum oxide films. Chemical Physics Letters, 2007, 440, 239-243.	1.2	30
41	Elucidating the Reaction Pathway of Decarboxylation-Assisted Olefination Catalyzed by a Mononuclear Non-Heme Iron Enzyme. Journal of the American Chemical Society, 2018, 140, 15190-15193.	6.6	30
42	Bioreduction of Tempone and Spin-Labeled Gentamicin by Gram-Negative Bacteria: Kinetics and Effect of Ultrasound. Archives of Biochemistry and Biophysics, 1999, 362, 233-241.	1.4	29
43	Interfacial Surface Properties of Thiol-Protected Gold Nanoparticles:â€‰ A Molecular Probe EPR Approach. Langmuir, 2008, 24, 609-612.	1.6	29
44	Order by Quenched Disorder in the Model Triangular Antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>RbFe</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mrow><mml:msub><mml:mrow><mml:mi>MoO</mml:mi></mml:mrow><mml:mrow><mml:mn>4< Physical Review Letters, 2017, 119, 047204	2.9	28
45	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. Perkin Transactions II RSC, 2000, , 1285-1291.	1.1	27
46	Resolving domains of interdigitated phospholipid membranes with 95 GHz spin labeling EPR. Applied Magnetic Resonance, 2001, 21, 453-467.	0.6	26
47	High-Frequency (95 GHz) EPR Spectroscopy To Characterize Spin Adducts. Journal of Physical Chemistry B, 1997, 101, 3877-3885.	1.2	25
48	Paramagnetic and antiferromagnetic resonances in the diamagnetically diluted Haldane magnetPbNi2V2O8. Physical Review B, 2002, 65, .	1.1	25
49	Synthesis, Structure, and X-Band (9.5 GHz) EPR Characterization of the New Series of pH-Sensitive Spin Probes:ÂN,N-Disubstituted 4-Amino-2,2,5,5-tetramethyl-3-imidazoline 1-Oxyls. Journal of Organic Chemistry, 2005, 70, 9702-9711.	1.7	24
50	Practical conditions and limitations for high-spatial-resolution multisite EPR oximetry. Applied Magnetic Resonance, 2005, 28, 69-78.	0.6	23
51	Mapping Local Protein Electrostatics by EPR of pH-Sensitive Thiol-Specific Nitroxide. Biochemistry, 2008, 47, 5626-5637.	1.2	23
52	Investigating Magnetically Aligned Phospholipid Bilayers with EPR Spectroscopy at 94 GHz. Journal of Magnetic Resonance, 2001, 151, 253-259.	1.2	22
53	Fluence-Dependent Evolution of Paramagnetic Triplet Centers in e-Beam Irradiated Microcrystalline Ib Type HPHT Diamond. Journal of Physical Chemistry C, 2017, 121, 22335-22346.	1.5	22
54	The spin probe technique in the EPR-imaging of structurally heterogeneous media. Applied Magnetic Resonance, 1990, 1, 1-19.	0.6	21

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55	Cooperativity and Kinetics of Phase Transitions in Nanopore-Confined Bilayers Studied by Differential Scanning Calorimetry. Biophysical Journal, 2005, 88, L11-L13.	0.2	21
56	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. Journal of Magnetic Resonance, 2006, 182, 229-238.	1.2	21
57	Post-processing of EPR spectra by convolution filtering: Calculation of a harmonicsâ€™ series and automatic separation of fast-motion components from spin-label EPR spectra. Journal of Magnetic Resonance, 2008, 190, 154-159.	1.2	21
58	Tribological properties of nanodiamonds in aqueous suspensions: effect of the surface charge. RSC Advances, 2015, 5, 78933-78940.	1.7	21
59	Magnetic Susceptibility and Spin Exchange in Fusinite and Carbohydrate Chars. The Journal of Physical Chemistry, 1994, 98, 2464-2468.	2.9	20
60	Carbon-based standards for electron paramagnetic resonance spectroscopy. Applied Magnetic Resonance, 1994, 6, 287-308.	0.6	20
61	Separation of the magnetic phases at the NÃ©el point in the diluted spin-Peierls magnetCuGeO3. Physical Review B, 2002, 65, .	1.1	19
62	Formation of a Ripple Phase in Nanotubular Dimyristoylphosphatidylcholine Bilayers Confined Inside Nanoporous Aluminum Oxide Substrates Observed by DSC. Langmuir, 2006, 22, 5563-5565.	1.6	19
63	Surface Electrostatics of Lipid Bilayers by EPR of a pH-Sensitive Spin-Labeled Lipid. Biophysical Journal, 2013, 104, 106-116.	0.2	19
64	Acidâ€“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
65	A new water-soluble and lipid-insoluble spin probe: application to the study of aqueous sucrose solutions. Magnetic Resonance in Chemistry, 1999, 37, 36-42.	1.1	17
66	High field electron paramagnetic resonance of Gd3+-doped glasses: Line shapes and average ion distances in silicates. Journal of Chemical Physics, 2001, 115, 7650-7656.	1.2	17
67	Use of Nitroxide Spin Probes and Electron Paramagnetic Resonance for Assessing Reducing Power of Beer. Role of SH Groups. Journal of Agricultural and Food Chemistry, 2005, 53, 1052-1057.	2.4	17
68	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
69	Multifrequency electron paramagnetic resonance of ultramarine blue. Applied Magnetic Resonance, 2001, 21, 563-570.	0.6	16
70	Cryogen-free superconducting magnet system for multifrequency electron paramagnetic resonance up to 12.1T. Review of Scientific Instruments, 2006, 77, 035108.	0.6	16
71	The UDP-diacylglucosamine Pyrophosphohydrolase LpxH in Lipid A Biosynthesis Utilizes Mn2+ Cluster for Catalysis. Journal of Biological Chemistry, 2013, 288, 26987-27001.	1.6	16
72	Matched Spin Probes for the Study of the Overall Motion of Model Lubricants. Magnetic Resonance in Chemistry, 1997, 35, 493-501.	1.1	15

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73	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
74	A Combined QCM and AFM Study Exploring the Nanoscale Lubrication Mechanism of Silica Nanoparticles in Aqueous Suspension. Tribology Letters, 2017, 65, 1.	1.2	15
75	In vivo Seed Investigation by Electron Paramagnetic Resonance Spin Probe Technique. Journal of Plant Physiology, 1992, 140, 447-452.	1.6	14
76	Simultaneous ESR measurements of the kinetics of oxygen consumption and spin label reduction by mammalian cells. Magnetic Resonance in Chemistry, 1995, 33, S46-S52.	1.1	14
77	Triplet spin resonance of the Haldane magnetPbNi2V2O8with interchain coupling. Physical Review B, 2008, 77, .	1.1	14
78	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
79	Multi-resonant photonic band-gap/saddle coil DNP probehead for static solid state NMR of microliter volume samples. Journal of Magnetic Resonance, 2018, 297, 113-123.	1.2	14
80	The effect of temperature on the respiration of cultured neural cells as studied by a novel electron paramagnetic resonance technique. Biochimica Et Biophysica Acta - General Subjects, 1994, 1200, 205-214.	1.1	13
81	Antioxidant Pool in Beer and Kinetics of EPR Spin-Trapping. Journal of Agricultural and Food Chemistry, 2005, 53, 6870-6876.	2.4	13
82	Detection of localized ferromagnetic resonance in a continuous thin film via magnetic resonance force microscopy. Physical Review B, 2009, 79, .	1.1	13
83	Peptideâ€“Membrane Interactions by Spin-Labeling EPR. Methods in Enzymology, 2015, 564, 219-258.	0.4	13
84	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. Journal of Physical Chemistry B, 2017, 121, 2443-2453.	1.2	13
85	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. Journal of Membrane Science, 2020, 604, 118084.	4.1	13
86	Spin-labeling in high-field EPR. Electron Paramagnetic Resonance, 0, , 109-136.	0.2	13
87	Proton Activity in Nanochannels Revealed by Electron Paramagnetic Resonance of Ionizable Nitroxides: A Test of the Poissonâ€“Boltzmann Double Layer Theory. Journal of Physical Chemistry C, 2018, 122, 20527-20538.	1.5	12
88	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
89	Single-Crystal Multifrequency EPR Evidence for a Quasi-Low-Dimensional Spin Exchange in 3-n-Butyl-2,4,6-Triphenylverdazyl. Journal of Physical Chemistry B, 1997, 101, 11249-11253.	1.2	10
90	Polarization-dependent fluorescence of proteins bound to nanopore-confined lipid bilayers. Journal of Chemical Physics, 2008, 129, 095102.	1.2	10

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91	Ba4KFe3O9: A Novel Ferrite Containing Discrete 6-Membered Rings of Corner-Sharing FeO4Tetrahedra. Inorganic Chemistry, 2011, 50, 10310-10318.	1.9	10
92	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
93	Tuning friction and slip at solid-nanoparticle suspension interfaces by electric fields. Scientific Reports, 2019, 9, 18584.	1.6	10
94	Half-field EPR transitions in synthetic carbohydrate chars. Solid State Communications, 1994, 91, 319-323.	0.9	9
95	Interaction of Gd(III) MRI contrast agents with membranes: a review of recent EPR studies. Magnetic Resonance Materials in Physics, Biology, and Medicine, 1999, 8, 214-229.	1.1	9
96	Solution Electron Affinity Perturbation Due to the Deuteration of [16]Annulene. Journal of Physical Chemistry A, 1999, 103, 8566-8572.	1.1	9
97	Comparative Spin Label Spectra at X-Band and W-band. , 2002, , 83-107.		9
98	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
99	Interaction of MRI Gadolinium Contrast Agents with Phospholipid Bilayers as Studied by 95 GHz EPR.. Acta Chemica Scandinavica, 1997, 51, 562-566.	0.7	9
100	Dynamic Molecular Oxygen Accessibility to a Buried Mn2+Protein Site:Â A High-Field EPR Experiment. Journal of Physical Chemistry B, 2003, 107, 7212-7215.	1.2	8
101	Field-Controlled Phase Separation at the Impurity-Induced Magnetic Ordering in the Spin-Peierls MagnetCuGeO3. Physical Review Letters, 2005, 94, 057205.	2.9	8
102	Mesoscopic spin clusters, phase separation, and induced order in spin-gap magnets: A review. Journal of Experimental and Theoretical Physics, 2007, 105, 861-879.	0.2	8
103	EPR Studies of Nanomaterials. , 2011, , 825-843.		8
104	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
105	Photonic band-gap resonators for high-field/high-frequency EPR of microliter-volume liquid aqueous samples. Journal of Magnetic Resonance, 2018, 296, 152-164.	1.2	8
106	efocused ut- f- ase (ROOPh) DEER: A pulse scheme for suppressing an unmodulated background in double electron-electron resonance experiments. Journal of Magnetic Resonance, 2018, 293, 9-18.	1.2	8
107	A biradical-tagged phospholipid as a polarizing agent for solid-state MAS Dynamic Nuclear Polarization NMR of membrane proteins. Solid State Nuclear Magnetic Resonance, 2019, 100, 92-101.	1.5	8
108	Convolution-Based Algorithm: from Analysis of Rotational Dynamics to EPR Oximetry and Protein Distance Measurements. Biological Magnetic Resonance, 2004, , 277-348.	0.4	8

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109	High Field ESR: Applications to Protein Structure and Dynamics. Biological Magnetic Resonance, 2004, , 95-143.	0.4	8
110	Superconducting Quantum Interference Device Magnetic Susceptibility Measurements: Determination of Free-Radical Concentrations in PMR-15 Polyimide Resin. Macromolecules, 1995, 28, 7026-7028.	2.2	7
111	Neutron transmutation of 10B doped diamond. Diamond and Related Materials, 2007, 16, 50-62.	1.8	7
112	Dielectric and Electrostatic Properties of the Silica Nanoparticleâ€“Water Interface by EPR of pH-Sensitive Spin Probes. Journal of Physical Chemistry C, 2019, 123, 29972-29985.	1.5	7
113	Spin labels and spin probes for measurements of local pH and electrostatics by EPR. Electron Paramagnetic Resonance, 0, , 71-106.	0.2	7
114	Triangular lattice antiferromagnet RbFe(MoO4)2 in an applied magnetic field. Journal of Magnetism and Magnetic Materials, 2003, 258-259, 394-397.	1.0	6
115	Nanotribological Performance Factors for Aqueous Suspensions of Oxide Nanoparticles and Their Relation to Macroscale Lubricity. Lubricants, 2019, 7, 49.	1.2	6
116	Alternative Reactivity of Leucine 5-Hydroxylase Using an Olefin-Containing Substrate to Construct a Substituted Piperidine Ring. Biochemistry, 2020, 59, 1961-1965.	1.2	6
117	High-Field ESR Spectroscopy in Membrane and Protein Biophysics. , 2007, , 165-251.		6
118	Multi-frequency EPR determination of zero field splitting of high spin species in liquids: Gd(III) chelates in water. , 0, .		6
119	Interaction of triplet excitations with spin chain ends in the Haldane magnet PbNi2V2O8. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 880-881.	1.0	5
120	Adiabatic demagnetization of a pyrochlore antiferromagnet Gd2Ti2O7. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 709-711.	1.0	5
121	Graphenated IR Screens. IEEE Sensors Journal, 2010, 10, 419-422.	2.4	5
122	Magnetic resonance of spinons in quantum magnets. Physics-Uspekhi, 2016, 59, 564-570.	0.8	5
123	Effect of Solution Ionic Strength on the pKa of the Nitroxide pH EPR Probe 2,2,3,4,5,5-Hexamethylimidazolidin-1-oxyl. Cell Biochemistry and Biophysics, 2017, 75, 185-193.	0.9	5
124	Enhancing sensitivity of Double Electron-Electron Resonance (DEER) by using Relaxation-Optimized Acquisition Length Distribution (RELOAD) scheme. Journal of Magnetic Resonance, 2019, 298, 115-126.	1.2	5
125	Electronic Structure of the Primary Electron Donor P₇₀₀^{+â€¢} in Photosystem I Studied by Multifrequency HYSCORE Spectroscopy at X- and Q-Band. Journal of Physical Chemistry B, 2021, 125, 36-48.	1.2	5
126	EPR imaging with natural spin probes. Journal of Magnetic Resonance, 1991, 91, 386-391.	0.5	4

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127	High-field EPR imaging. Journal of Magnetic Resonance, 1992, 97, 1-12.	0.5	4
128	Magnetic resonance imaging in a hands-on student experiment using an EPR spectrometer. Concepts in Magnetic Resonance, 1999, 11, 277-290.	1.3	4
129	High Spatial Resolution Multi-Site EPR OximetryThe Use of a Convolution-Based Fitting Method. Journal of Magnetic Resonance, 2001, 152, 247-258.	1.2	4
130	Mott transition in Ga-doped MgxZn1â^'xO: A direct observation. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 171, 90-92.	1.7	4
131	Spin Probe Multi-Frequency EPR Study of Unprocessed Cotton Fibers. Cell Biochemistry and Biophysics, 2017, 75, 211-226.	0.9	4
132	Electron Paramagnetic Resonance Spectroscopy to Study Liquid Food and Beverages. , 2017, , 83-109.		4
133	EPR Oximetry with Nitroxides: Effects of Molecular Structure, pH, and Electrolyte Concentration. Applied Magnetic Resonance, 0, , .	0.6	4
134	Beauty beyond the Eye: Color Centers in Diamond Particles for Imaging and Quantum Sensing Applications. Reviews and Advances in Chemistry, 2022, 12, 1-21.	0.2	4
135	Structural studies of New Zealand pounamu using MÃ¶ssbauer spectroscopy and electron paramagnetic resonance. Journal of the Royal Society of New Zealand, 2005, 35, 385-398.	1.0	3
136	Magnetic resonance of collective states in spin-gap magnets. Journal of Magnetism and Magnetic Materials, 2006, 300, 216-220.	1.0	3
137	Coexistance of spiral and commensurate structures in a triangular antiferromagnet KFe(MoO₄)₂. Journal of Physics: Conference Series, 2010, 200, 032068.	0.3	3
138	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
139	Multi-frequency ferromagnetic resonance investigation of nickel nanocubes encapsulated in diamagnetic magnesium oxide matrix. Journal of Applied Physics, 2016, 120, .	1.1	3
140	Nonequilibrium quantum critical steady state: Transport through a dissipative resonant level. Physical Review Research, 2021, 3, .	1.3	3
141	Quantification of Coal-Diesel Particulate Mixtures by W-Band (94-GHz) Electron Spin Resonance Spectroscopy. Applied Spectroscopy, 1997, 51, 1429-1431.	1.2	2
142	Interaction of Gd(III) MRI contrast agents with membranes: a review of recent EPR studies. Magnetic Resonance Materials in Physics, Biology, and Medicine, 1999, 8, 214-229.	1.1	2
143	ESR study of the residual magnetism in the spinâ€“Peierls phase. Physica B: Condensed Matter, 2000, 284-288, 1649-1650.	1.3	2
144	Studies of Cetylpyridinium Chloride and Cetylpyridinium Salicylate in Solution and Adsorbed on Silica Surfaces Using X- and W-Band Electron Paramagnetic Resonance Spectroscopy. Langmuir, 2001, 17, 2346-2356.	1.6	2

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145	Silica-Supported Lipid Bilayers: Electrostatic Effects at Lipid Interfaces as Reported by Spin-Labeling EPR. Biophysical Journal, 2018, 114, 96a.	0.2	2
146	Characterization of photonic band resonators for DNP NMR of thin film samples at 7ÂT magnetic field. Journal of Magnetic Resonance, 2021, 323, 106893.	1.2	2
147	Microscopic magnetic phase separation at the impurity stimulated antiferromagnetic ordering of two spin-gap magnets. Physica B: Condensed Matter, 2003, 329-333, 699-700.	1.3	1
148	Title is missing!. Physics-Uspekhi, 2006, 49, 649.	0.8	1
149	Low-frequency spin dynamics of the frustrated pyrochlore magnet Gd₂Ti₂O₇. Journal of Physics: Conference Series, 2009, 150, 042188.	0.3	1
150	Heterogeneous Dielectric and Hydrogen Bonding Environment of Transmembrane Peptides. Biophysical Journal, 2010, 98, 87a.	0.2	1
151	Surface Electrostatics and Peptide Binding to Lipid Bilayer of Defined Curvature. Biophysical Journal, 2013, 104, 98a.	0.2	1
152	Competition between dynamic and structural disorder in a doped triangular antiferromagnet RbFe(MoO4)2. Journal of Physics: Conference Series, 2018, 969, 012115.	0.3	1
153	Variation of the spin wave spectrum in interaction between magnons. Journal of Magnetism and Magnetic Materials, 1980, 15-18, 385-386.	1.0	0
154	Parametric spin wave testing by observation of transition processes. Journal of Magnetism and Magnetic Materials, 1990, 92, 116-124.	1.0	0
155	Spin-Labeling in High-Field EPR. ChemInform, 2003, 34, no.	0.1	0
156	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. Theoretical Foundations of Chemical Engineering, 2005, 39, 250-258.	0.2	0
157	Two-dimensional Calorimetry: Imaging Thermodynamics and Kinetics ofÂPhase Transitions of Biological Membranes. Biophysical Journal, 2009, 96, 549a.	0.2	0
158	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
159	Surface Electrostatics Associated with Lipid Bilayer Curvature. Biophysical Journal, 2011, 100, 505a.	0.2	0
160	Low Energy Dynamics in Spin-Liquid and Ordered Phases of S=1/2 Antiferromagnet Cs2CuCl4. Journal of Physics: Conference Series, 2012, 400, 032091.	0.3	0
161	Probing Dielectric and Hydrogen Bonding Gradients in Biological Membranes. Biophysical Journal, 2012, 102, 414a.	0.2	0
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