

Daniella Goldfarb

List of Publications by Year in descending order

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154
papers

6,788
citations

57758

44
h-index

82547

72
g-index

176
all docs

176
docs citations

176
times ranked

5413
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural disorder of monomeric α -synuclein persists in mammalian cells. <i>Nature</i> , 2016, 530, 45-50.	27.8	720
2	Probing Protein Conformation in Cells by EPR Distance Measurements using Gd^{3+} Spin Labeling. <i>Journal of the American Chemical Society</i> , 2014, 136, 13458-13465.	13.7	187
3	Gd^{3+} spin labeling for distance measurements by pulse EPR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 9685.	2.8	163
4	Nature and Surface Redox Properties of Copper(II)-Promoted Cerium(IV) Oxide CO-Oxidation Catalysts. <i>Chemistry of Materials</i> , 2000, 12, 3715-3725.	6.7	150
5	Nanometer-Scale Distance Measurements in Proteins Using Gd^{3+} Spin Labeling. <i>Journal of the American Chemical Society</i> , 2010, 132, 9040-9048.	13.7	143
6	Resolving Intermediate Solution Structures during the Formation of Mesoporous SBA-15. <i>Journal of the American Chemical Society</i> , 2006, 128, 3366-3374.	13.7	138
7	Gd^{3+} Complexes as Potential Spin Labels for High Field Pulsed EPR Distance Measurements. <i>Journal of the American Chemical Society</i> , 2007, 129, 14138-14139.	13.7	138
8	Study of the Formation of the Mesoporous Material SBA-15 by EPR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2003, 107, 1739-1748.	2.6	127
9	Benchmark Test and Guidelines for DEER/PELDOR Experiments on Nitroxide-Labeled Biomolecules. <i>Journal of the American Chemical Society</i> , 2021, 143, 17875-17890.	13.7	124
10	HYSCORE and DEER with an upgraded 95GHz pulse EPR spectrometer. <i>Journal of Magnetic Resonance</i> , 2008, 194, 8-15.	2.1	120
11	EPR Studies of the Formation Mechanism of the Mesoporous Materials MCM-41 and MCM-50. <i>Journal of Physical Chemistry B</i> , 1997, 101, 7087-7094.	2.6	115
12	Gadolinium Tagging for High-Precision Measurements of 6 nm Distances in Protein Assemblies by EPR. <i>Journal of the American Chemical Society</i> , 2011, 133, 10418-10421.	13.7	104
13	Dynamic nuclear polarization in the solid state: a transition between the cross effect and the solid effect. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 5729.	2.8	103
14	Study of the Initial Formation Stages of the Mesoporous Material SBA-15 Using Spin-Labeled Block Co-polymer Templates. <i>Journal of Physical Chemistry B</i> , 2004, 108, 9016-9022.	2.6	95
15	A Reactive, Rigid Gd^{III} Labeling Tag for In-Cell EPR Distance Measurements in Proteins. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2914-2918.	13.8	88
16	High-Field EPR Reveals the Strongly Temperature-Dependent Exchange Interaction in α -Breathing Crystals Cu_2L_2R . <i>Journal of the American Chemical Society</i> , 2008, 130, 2444-2445.	13.7	87
17	Spectrometer manager: A versatile control software for pulse EPR spectrometers. <i>Concepts in Magnetic Resonance Part B</i> , 2005, 26B, 36-45.	0.7	81
18	Geometry and Framework Interactions of Zeolite-Encapsulated Copper(II)-Histidine Complexes. <i>Journal of the American Chemical Society</i> , 2000, 122, 11488-11496.	13.7	76

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19	Spectroscopic selection of distance measurements in a protein dimer with mixed nitroxide and Gd ³⁺ spin labels. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 4355.	2.8	73
20	Carboxylate Binding in Copper Histidine Complexes in Solution and in Zeolite Y: X- and W-band Pulsed EPR/ENDOR Combined with DFT Calculations. <i>Journal of the American Chemical Society</i> , 2004, 126, 11733-11745.	13.7	72
21	Nanometer-Range Distance Measurement in a Protein Using Mn ²⁺ Tags. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 157-160.	4.6	72
22	Determining the Oligomeric Structure of Proteorhodopsin by Gd ³⁺ -Based Pulsed Dipolar Spectroscopy of Multiple Distances. <i>Structure</i> , 2014, 22, 1677-1686.	3.3	72
23	Aggregation and Self-Assembly of Amphiphilic Block Copolymers in Aqueous Dispersions of Carbon Nanotubes. <i>Langmuir</i> , 2008, 24, 4625-4632.	3.5	71
24	Gd(III) EPR distance measurements – the range of accessible distances and the impact of zero field splitting. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 18464-18476.	2.8	71
25	Structure of Copper(II) Histidine Based Complexes in Frozen Aqueous Solutions As Determined from High-Field Pulsed Electron Nuclear Double Resonance. <i>Inorganic Chemistry</i> , 2001, 40, 781-787.	4.0	63
26	Axial Solvent Coordination in Cob(II)alamin and Related Co(II)-Corrinates Revealed by 2D-EPR. <i>Journal of the American Chemical Society</i> , 2003, 125, 5915-5927.	13.7	62
27	Formation Mechanism of Cubic Mesoporous Carbon Monolith Synthesized by Evaporation-Induced Self-assembly. <i>Chemistry of Materials</i> , 2012, 24, 383-392.	6.7	62
28	Gd ³⁺ Spin Labeling for Measuring Distances in Biomacromolecules. <i>Methods in Enzymology</i> , 2015, 563, 415-457.	1.0	59
29	High Sensitivity In-Cell EPR Distance Measurements on Proteins using an Optimized Gd(III) Spin Label. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6119-6123.	4.6	59
30	Utilizing ESEEM Spectroscopy to Locate the Position of Specific Regions of Membrane-Active Peptides within Model Membranes. <i>Biophysical Journal</i> , 2006, 90, 492-505.	0.5	56
31	Molecular Level Processes and Nanostructure Evolution During the Formation of the Cubic Mesoporous Material KIT-6. <i>Chemistry of Materials</i> , 2008, 20, 2779-2792.	6.7	56
32	In-Cell Trityl Trityl Distance Measurements on Proteins. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1141-1147.	4.6	55
33	W-Band pulse EPR distance measurements in peptides using Gd ³⁺ dipicolinic acid derivatives as spin labels. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 10771.	2.8	54
34	Gadolinium(III) Spin Labels for High Sensitivity Distance Measurements in Transmembrane Helices. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11831-11834.	13.8	54
35	MAS n.m.r. and e.s.r. studies of MnAlPO ₅ . <i>Zeolites</i> , 1989, 9, 509-515.	0.5	52
36	W-band orientation selective DEER measurements on a Gd ³⁺ /nitroxide mixed-labeled protein dimer with a dual mode cavity. <i>Journal of Magnetic Resonance</i> , 2013, 227, 66-71.	2.1	52

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37	Study of copper(II) binding to chiral tripodal ligands by electron spin echo spectroscopy. Journal of the American Chemical Society, 1991, 113, 1941-1948.	13.7	51
38	The ^{17}O Hyperfine Interaction in $\text{V}^{17}\text{O}(\text{H}_2^{17}\text{O})_5^{2+}$ and $\text{Mn}(\text{H}_2^{17}\text{O})_6^{2+}$ Determined by High Field ENDOR Aided by DFT Calculations. Journal of Physical Chemistry A, 2005, 109, 7865-7871.	2.5	51
39	W-Band ENDOR Investigation of the Manganese-Binding Site of Concanavalin A: δ Determination of Proton Hyperfine Couplings and Their Signs. Journal of the American Chemical Society, 2000, 122, 3488-3494.	13.7	50
40	Elucidation of Structure and Location of V(IV) Ions in Heteropolyacid Catalysts $\text{H}_4\text{PVMo}_{11}\text{O}_{40}$ as Studied by Hyperfine Sublevel Correlation Spectroscopy and Pulsed Electron Nuclear Double Resonance at W- and X-Band Frequencies. Journal of the American Chemical Society, 2001, 123, 4577-4584.	13.7	50
41	Electronic Structure of Binuclear Mixed Valence Copper Azacryptates Derived from Integrated Advanced EPR and DFT Calculations. Journal of the American Chemical Society, 2006, 128, 2017-2029.	13.7	50
42	Improved sensitivity for W-band Gd(III)-Gd(III) and nitroxide-nitroxide DEER measurements with shaped pulses. Journal of Magnetic Resonance, 2017, 283, 1-13.	2.1	49
43	In-cell destabilization of a homodimeric protein complex detected by DEER spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20566-20575.	7.1	47
44	Dynamics of water molecules in VPI-5 and AlPO ₄ -5 studied by deuterium NMR spectroscopy. Journal of the American Chemical Society, 1992, 114, 3690-3697.	13.7	45
45	Selective Distance Measurements Using Triple Spin Labeling with Gd^{3+} , Mn^{2+} , and a Nitroxide. Journal of Physical Chemistry Letters, 2017, 8, 5277-5282.	4.6	45
46	W- and X-Band Pulsed Electron Nuclear Double-Resonance Study of a Sodium ⁺ Nitric Oxide Adsorption Complex in NaA Zeolites. Journal of the American Chemical Society, 2000, 122, 10194-10200.	13.7	44
47	The Formation of the Mesoporous Material MCM-41 as Studied by EPR Line Shape Analysis of Spin Probes. Journal of Physical Chemistry B, 2000, 104, 279-285.	2.6	44
48	A Dynamic Nuclear Polarization spectrometer at 95GHz/144MHz with EPR and NMR excitation and detection capabilities. Journal of Magnetic Resonance, 2011, 209, 136-141.	2.1	43
49	A New Gd^{3+} Spin Label for Gd^{3+} Distance Measurements in Proteins Produces Narrow Distance Distributions. Journal of Physical Chemistry Letters, 2015, 6, 5016-5021.	4.6	42
50	$\text{Mn}(\text{II})$ tags for DEER distance measurements in proteins via C ¹⁵ S attachment. Dalton Transactions, 2015, 44, 20812-20816.	3.3	42
51	High field ENDOR as a characterization tool for functional sites in microporous materials. Physical Chemistry Chemical Physics, 2006, 8, 2325.	2.8	41
52	Determination of the ^{14}N quadrupole coupling constant of nitroxide spin probes by W-band ELDOR-detected NMR. Journal of Magnetic Resonance, 2011, 210, 192-199.	2.1	39
53	A Combined Pulse EPR and Monte Carlo Simulation Study Provides Molecular Insight on Peptide ⁺ Membrane Interactions. Journal of Physical Chemistry B, 2009, 113, 12687-12695.	2.6	38
54	DEER distance measurements on trityl/trityl and $\text{Gd}(\text{III})/\text{trityl}$ labelled proteins. Physical Chemistry Chemical Physics, 2019, 21, 10217-10227.	2.8	38

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55	Magnetic resonance studies of SAPO-44 and MnAPSO-44. <i>Journal of the American Chemical Society</i> , 1993, 115, 1106-1114.	13.7	37
56	Pulsed EPR/ENDOR Characterization of Perturbations of the CuA Center Ground State by Axial Methionine Ligand Mutations. <i>Journal of the American Chemical Society</i> , 2001, 123, 5325-5336.	13.7	37
57	Investigation of the Formation of MCM-41 by Electron Spin Echo Envelope Modulation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2002, 106, 5382-5389.	2.6	37
58	Self-Assembly of Pluronic Block Copolymers in Aqueous Dispersions of Single-Wall Carbon Nanotubes as Observed by Spin Probe EPR. <i>Langmuir</i> , 2008, 24, 3773-3779.	3.5	37
59	Revisiting the nitrosyl complex of myoglobin by high-field pulse EPR spectroscopy and quantum mechanical calculations. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 7276.	2.8	37
60	Temperature-Dependent Exchange Interaction in Molecular Magnets Cu ₂ L ₂ Studied by EPR: Methodology and Interpretations. <i>Inorganic Chemistry</i> , 2011, 50, 10204-10212.	4.0	37
61	Interactions of Cu(II) Ions with Framework Al in High Si:Al Zeolite Y as Determined from X- and W-Band Pulsed EPR/ENDOR Spectroscopies. <i>Journal of Physical Chemistry B</i> , 2002, 106, 5428-5437.	2.6	36
62	Investigation of Model Membrane Disruption Mechanism by Melittin using Pulse Electron Paramagnetic Resonance Spectroscopy and Cryogenic Transmission Electron Microscopy. <i>Journal of Physical Chemistry B</i> , 2012, 116, 179-188.	2.6	36
63	In-Cell EPR Distance Measurements on Ubiquitin Labeled with a Rigid PyMTA-Gd(III) Tag. <i>Journal of Physical Chemistry B</i> , 2019, 123, 1050-1059.	2.6	36
64	Altered conformational sampling along an evolutionary trajectory changes the catalytic activity of an enzyme. <i>Nature Communications</i> , 2020, 11, 5945.	12.8	36
65	Electron-Mediating CuA Centers in Proteins: A Comparative High Field 1H ENDOR Study. <i>Journal of the American Chemical Society</i> , 2002, 124, 8152-8162.	13.7	35
66	Double Electron Electron Resonance as a Method for Characterization of Micelles. <i>Journal of Physical Chemistry B</i> , 2005, 109, 22843-22851.	2.6	35
67	High-Field Pulsed EPR Spectroscopy for the Speciation of the Reduced [PV ₂ Mo ₁₀ O ₄₀] ⁶⁻ Polyoxometalate Catalyst Used in Electron-Transfer Oxidations. <i>Chemistry - A European Journal</i> , 2010, 16, 10014-10020.	3.3	35
68	Extending the distance range accessed with continuous wave EPR with Gd ³⁺ spin probes at high magnetic fields. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 11313.	2.8	35
69	Effect of electron spectral diffusion on static dynamic nuclear polarization at 7 Tesla. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 3596-3605.	2.8	35
70	Two closed ATP- and ADP-dependent conformations in yeast Hsp90 chaperone detected by Mn(II) EPR spectroscopic techniques. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 395-404.	7.1	35
71	High-Resolution Cryogenic-Electron Microscopy Reveals Details of a Hexagonal-to-Bicontinuous Cubic Phase Transition in Mesoporous Silica Synthesis. <i>Journal of the American Chemical Society</i> , 2009, 131, 12466-12473.	13.7	34
72	Direct Spectroscopic Detection of ATP Turnover Reveals Mechanistic Divergence of ABC Exporters. <i>Structure</i> , 2017, 25, 1264-1274.e3.	3.3	34

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73	Properties of the Silica Layer during the Formation of MCM-41 Studied by EPR of a Silica-Bound Spin Probe. <i>Journal of Physical Chemistry B</i> , 2005, 109, 7807-7816.	2.6	32
74	Dynamic Hydrogen-Bonding Network in the Distal Pocket of the Nitrosyl Complex of <i>Pseudomonas aeruginosa</i> cd₁ Nitrite Reductase. <i>Journal of the American Chemical Society</i> , 2011, 133, 3043-3055.	13.7	32
75	Static 1H dynamic nuclear polarization with the biradical TOTAPOL: a transition between the solid effect and the cross effect. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 6687-6699.	2.8	32
76	Rates and equilibrium constants of the ligand-induced conformational transition of an HCN ion channel protein domain determined by DEER spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 15324-15334.	2.8	32
77	Exploring protein conformations inÂvitro and in cell with EPR distance measurements. <i>Current Opinion in Structural Biology</i> , 2022, 75, 102398.	5.7	32
78	Interaction of Nitrates with Pluronic Micelles and Their Role in the Phase Formation of Mesoporous Materials. <i>Journal of Physical Chemistry C</i> , 2007, 111, 10931-10940.	3.1	31
79	Tracking Conformational Changes in Calmodulin in vitro, in Cell Extract, and in Cells by Electron Paramagnetic Resonance Distance Measurements. <i>ChemPhysChem</i> , 2019, 20, 1860-1868.	2.1	31
80	Identity of the Exchangeable Sulfur-Containing Ligand at the Mo(V) Center of R160Q Human Sulfite Oxidase. <i>Inorganic Chemistry</i> , 2012, 51, 1408-1418.	4.0	30
81	Small Gd(III) Tags for Gd(III)â€œGd(III) Distance Measurements in Proteins by EPR Spectroscopy. <i>Inorganic Chemistry</i> , 2018, 57, 5048-5059.	4.0	29
82	Distribution of guest molecules in Pluronic micelles studied by double electron electron spin resonance and small angle X-ray scattering. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 148-160.	2.8	28
83	Oxidation of Carbon Monoxide Cocatalyzed by Palladium(0) and the H₅PV₂Mo₁₀O₄₀ Polyoxometalate Probed by Electron Paramagnetic Resonance and Aerobic Catalysis. <i>Inorganic Chemistry</i> , 2009, 48, 7947-7952.	4.0	28
84	Self-Assembly of Amphiphilic Block Copolymers in Dispersions of Multiwalled Carbon Nanotubes As Reported by Spin Probe Electron Paramagnetic Resonance Spectroscopy. <i>Macromolecules</i> , 2010, 43, 606-614.	4.8	28
85	The effect of Gd on trityl-based dynamic nuclear polarisation in solids. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 26969-26978.	2.8	28
86	Overcoming artificial broadening in Gd³⁺â€œGd³⁺ distance distributions arising from dipolar pseudo-secular terms in DEER experiments. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 12847-12859.	2.8	28
87	Proton Positions in the Mn2+Binding Site of Concanavalin A as Determined by Single-Crystal High-Field ENDOR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2001, 123, 8378-8386.	13.7	27
88	Manganese Incorporation into the Mesoporous Material MCM-41 under Acidic Conditions as Studied by High Field Pulsed EPR and ENDOR Spectroscopies. <i>Journal of the American Chemical Society</i> , 2000, 122, 7034-7041.	13.7	26
89	Distance measurements between manganese(<sc>ii</sc>) and nitroxide spin-labels by DEER determine a binding site of Mn²⁺ in the HP92 loop of ribosomal RNA. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 15098-15102.	2.8	26
90	Fourier transform electron spin echo envelope modulation of aS=1/2,I=5/2 spin system: An exact analysis and a second order perturbation approach. <i>Journal of Chemical Physics</i> , 1992, 96, 6464-6476.	3.0	25

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91	Probing Water Density and Dynamics in the Chaperonin GroEL Cavity. <i>Journal of the American Chemical Society</i> , 2014, 136, 9396-9403.	13.7	25
92	Double-Arm Lanthanide Tags Deliver Narrow Gd ³⁺ -Gd ³⁺ Distance Distributions in Double Electron-Electron Resonance (DEER) Measurements. <i>Chemistry - A European Journal</i> , 2017, 23, 11694-11702.	3.3	25
93	Mutations of the Weak Axial Ligand in the Thermus CuA Center Modulates Its Electronic Structure. <i>Journal of the American Chemical Society</i> , 1999, 121, 5077-5078.	13.7	24
94	The Catalytic Mn ²⁺ Sites in the Enolase [~] Inhibitor Complex: A Crystallography, Single-Crystal EPR, and DFT Calculations. <i>Journal of the American Chemical Society</i> , 2007, 129, 4240-4252.	13.7	24
95	Investigation of the Surfactant Role in the Synthesis of Mesoporous Alumina. <i>Journal of Physical Chemistry C</i> , 2010, 114, 28-35.	3.1	23
96	Simultaneous DNP enhancements of ¹ H and ¹³ C nuclei: theory and experiments. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 11868-11883.	2.8	23
97	Gd ³⁺ -Gd ³⁺ distances exceeding 3 nm determined by very high frequency continuous wave electron paramagnetic resonance. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 5127-5136.	2.8	23
98	A Reactive, Rigid Gd ^{III} Labeling Tag for In-Cell EPR Distance Measurements in Proteins. <i>Angewandte Chemie</i> , 2017, 129, 2960-2964.	2.0	23
99	Time domain simulation of Gd ³⁺ -Gd ³⁺ distance measurements by EPR. <i>Journal of Chemical Physics</i> , 2017, 147, 044201.	3.0	23
100	Probing the solution structure of the E. coli multidrug transporter MdfA using DEER distance measurements with nitroxide and Gd(III) spin labels. <i>Scientific Reports</i> , 2019, 9, 12528.	3.3	23
101	Role of Copper in the Characterization of Copper(II)-Promoted Tin(IV) Oxide Catalysts for the Catalytic Oxidation of Carbon Monoxide. <i>Chemistry of Materials</i> , 1999, 11, 3643-3654.	6.7	22
102	A triple resonance hyperfine sublevel correlation experiment for assignment of electron-nuclear double resonance lines. <i>Journal of Chemical Physics</i> , 2008, 128, 052320.	3.0	22
103	Small neutral Gd(ⁱⁱⁱ) tags for distance measurements in proteins by double electron-electron resonance experiments. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 23535-23545.	2.8	22
104	Pulse EPR in biological systems - Beyond the expert's courtyard. <i>Journal of Magnetic Resonance</i> , 2019, 306, 102-108.	2.1	21
105	Structure and dynamics of copper complexes with 2,2':6''-terpyridines in glassy matrices. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 3959-3967.	2.8	20
106	EPR studies on the organization of self-assembled spin-labeled organic monolayers adsorbed on GaAs. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 524.	2.8	20
107	Evolution of Solution Structures during the Formation of the Cubic Mesoporous Material, KIT-6, Determined by Double Electron-Electron Resonance. <i>Journal of Physical Chemistry C</i> , 2008, 112, 7102-7109.	3.1	20
108	Studying Supramolecular Assemblies by ESEEM Spectroscopy: Inclusion Complexes of Cyclodextrins. <i>Journal of Physical Chemistry B</i> , 2009, 113, 5781-5787.	2.6	20

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109	Correlating nuclear frequencies by two-dimensional ELDOR-detected NMR spectroscopy. <i>Journal of Magnetic Resonance</i> , 2014, 240, 77-89.	2.1	20
110	Assessing protein conformational landscapes: integration of DEER data in Maximum Occurrence analysis. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 27429-27438.	2.8	20
111	rDEER: A Modified DEER Sequence for Distance Measurements Using Shaped Pulses. <i>Magnetochemistry</i> , 2019, 5, 20.	2.4	20
112	Generic tags for Mn(II) and Gd(III) spin labels for distance measurements in proteins. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 26944-26956.	2.8	19
113	Probing Conformational Variations at the ATPase Site of the RNA Helicase DbpA by High-Field Electron Nuclear Double Resonance Spectroscopy. <i>Journal of the American Chemical Society</i> , 2011, 133, 15514-15523.	13.7	18
114	Characteristics of Gd(III) spin labels for the study of protein conformations. <i>Methods in Enzymology</i> , 2021, 651, 235-290.	1.0	18
115	Neural networks in pulsed dipolar spectroscopy: A practical guide. <i>Journal of Magnetic Resonance</i> , 2022, 338, 107186.	2.1	18
116	High Field ²⁷ Al ENDOR Reveals the Coordination Mode of Cu ²⁺ in Low Si/Al Zeolites. <i>Journal of the American Chemical Society</i> , 2006, 128, 7160-7161.	13.7	16
117	EPR detected polarization transfer between Gd ³⁺ and protons at low temperature and 3.3 T: The first step of dynamic nuclear polarization. <i>Journal of Chemical Physics</i> , 2010, 132, 214504.	3.0	16
118	Correlation of the EPR properties of perchlorotriphenylmethyl radicals and their efficiency as DNP polarizers. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 18626.	2.8	16
119	Spin Delocalization Over Type Zero Copper. <i>Inorganic Chemistry</i> , 2012, 51, 4066-4075.	4.0	16
120	A novel microfluidic rapid freeze-quench device for trapping reactions intermediates for high field EPR analysis. <i>Journal of Magnetic Resonance</i> , 2013, 230, 220-226.	2.1	16
121	Topology of the Trans-Membrane Peptide WALP23 in Model Membranes under Negative Mismatch Conditions. <i>Journal of Physical Chemistry B</i> , 2013, 117, 2280-2293.	2.6	16
122	Synthesis of Lamellar Mesosstructures with Nonamphiphilic Mesogens as Templates. <i>Chemistry of Materials</i> , 1996, 8, 2571-2578.	6.7	15
123	Gd ³⁺ Spin Labels Report the Conformation and Solvent Accessibility of Solution and Vesicle-Bound Melittin. <i>Journal of Physical Chemistry B</i> , 2015, 119, 13732-13741.	2.6	15
124	Analysis of ²⁷ Al nuclear quadrupole interaction effects on electron spin echo modulation in disordered systems. <i>Journal of Chemical Physics</i> , 1987, 87, 6323-6330.	3.0	14
125	The Mn ²⁺ Bicarbonate Complex in a Frozen Solution Revisited by Pulse W-Band ENDOR. <i>Inorganic Chemistry</i> , 2008, 47, 10491-10498.	4.0	14
126	Pulse EPR-enabled interpretation of scarce pseudocontact shifts induced by lanthanide binding tags. <i>Journal of Biomolecular NMR</i> , 2016, 64, 39-51.	2.8	14

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127	Characterization of Cu ²⁺ sites in zeolites NaX and KX by 27Al electron spin echo envelope modulation. <i>Chemical Physics Letters</i> , 1990, 171, 167-174.	2.6	13
128	Population transfer for signal enhancement in pulsed EPR experiments on half integer high spin systems. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 6799.	2.8	13
129	Heme d1 Nitrosyl Complex of cd1 Nitrite Reductase Studied by High-Field-Pulse Electron Paramagnetic Resonance Spectroscopy. <i>Inorganic Chemistry</i> , 2009, 48, 3913-3915.	4.0	11
130	Thiolate Spin Population of Type I Copper in Azurin Derived from ³³ S Hyperfine Coupling. <i>Inorganic Chemistry</i> , 2017, 56, 6163-6174.	4.0	11
131	The decay of the refocused Hahn echo in double electron-electron resonance (DEER) experiments. <i>Magnetic Resonance</i> , 2021, 2, 161-173.	1.9	11
132	Dynamics and structure in the Mn ²⁺ site of concanavalin A as determined by high-field EPR and ENDOR spectroscopy. <i>Magnetic Resonance in Chemistry</i> , 2005, 43, S40-S50.	1.9	10
133	Resolving ligand hyperfine couplings of type 1 and 2 Cu(II) in ascorbate oxidase by high field pulse EPR correlation spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 62-65.	2.8	10
134	Evolution of CPEB4 Dynamics Across its Liquid-Liquid Phase Separation Transition. <i>Journal of Physical Chemistry B</i> , 2021, 125, 12947-12957.	2.6	10
135	Synthesis of MCM-41 with a Phosphonium Template. <i>Chemistry of Materials</i> , 2005, 17, 3723-3727.	6.7	9
136	A Calibration Reaction for Rapid Freeze-Quench W-Band EPR. <i>Applied Magnetic Resonance</i> , 2010, 37, 845-850.	1.2	9
137	An electron spin resonance and electron spin-echo modulation study of paramagnetic rhodium species generated in Ca-Y and Na-Y zeolites. <i>Journal of the American Chemical Society</i> , 1987, 109, 2303-2311.	13.7	8
138	Single Crystal ⁵⁵ Mn ENDOR of Concanavalin A: Detection of Two Mn ²⁺ Sites with Different ⁵⁵ Mn Quadrupole Tensors. <i>Journal of the American Chemical Society</i> , 2007, 129, 5391-5402.	13.7	8
139	Characterization of borate glasses by W-band pulse electron-nuclear double resonance spectroscopy. <i>Journal of Chemical Physics</i> , 2008, 129, 154502.	3.0	8
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