Daniella Goldfarb

List of Publications by Year
in descending order

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	DEER experiments reveal fundamental differences between calmodulin complexes with IQ and MARCKS peptides in solution. Structure, 2022, 30, 813-827.e5.	3.3	3
2	Neural networks in pulsed dipolar spectroscopy: A practical guide. Journal of Magnetic Resonance, 2022, 338, 107186.	2.1	18
3	Exploring protein conformations inÂvitro and in cell with EPR distance measurements. Current Opinion in Structural Biology, 2022, 75, 102398.	5.7	32
4	Cellâ€Free Synthesis of Selenoproteins in High Yield and Purity for Selective Protein Tagging. ChemBioChem, 2021, 22, 1480-1486.	2.6	4
5	The decay of the refocused Hahn echo in double electronâ€“electron resonance (DEER) experiments. Magnetic Resonance, 2021, 2, 161-173.	1.9	11
6	Substrate binding in the multidrug transporter MdfA in detergent solution and in lipid nanodiscs. Biophysical Journal, 2021, 120, 1984-1993.	0.5	3
7	Characteristics of Gd(III) spin labels for the study of protein conformations. Methods in Enzymology, 2021, 651, 235-290.	1.0	18
8	Benchmark Test and Guidelines for DEER/PELDOR Experiments on Nitroxide-Labeled Biomolecules. Journal of the American Chemical Society, 2021, 143, 17875-17890.	13.7	124
9	Evolution of CPEB4 Dynamics Across its Liquidâ€“Liquid Phase Separation Transition. Journal of Physical Chemistry B, 2021, 125, 12947-12957.	2.6	10
10	Monitoring the Conformation of the Sba1/Hsp90 Complex in the Presence of Nucleotides with Mn(II)-Based Double Electronâ€“Electron Resonance. Journal of Physical Chemistry Letters, 2021, 12, 12235-12241.	4.6	7
11	Two closed ATP- and ADP-dependent conformations in yeast Hsp90 chaperone detected by Mn(II) EPR spectroscopic techniques. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 395-404.	7.1	35
12	Altered conformational sampling along an evolutionary trajectory changes the catalytic activity of an enzyme. Nature Communications, 2020, 11, 5945.	12.8	36
13	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
14	In-Cell Tritylâ€“Trityl Distance Measurements on Proteins. Journal of Physical Chemistry Letters, 2020, 11, 1141-1147.	4.6	55
15	Study of electron spectral diffusion process under DNP conditions by ELDOR spectroscopy focusing on the ¹⁴N solid effect. Magnetic Resonance, 2020, 1, 45-57.	1.9	4
16	Pulse EPR in biological systems â€“ Beyond the expertâ€™s courtyard. Journal of Magnetic Resonance, 2019, 306, 102-108.	2.1	21
17	Probing the solution structure of the E. coli multidrug transporter MdfA using DEER distance measurements with nitroxide and Gd(III) spin labels. Scientific Reports, 2019, 9, 12528.	3.3	23
18	In-Cell EPR Distance Measurements on Ubiquitin Labeled with a Rigid PyMTA-Gd(III) Tag. Journal of Physical Chemistry B, 2019, 123, 1050-1059.	2.6	36

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19	Tracking Conformational Changes in Calmodulin in vitro, in Cell Extract, and in Cells by Electron Paramagnetic Resonance Distance Measurements. ChemPhysChem, 2019, 20, 1860-1868.	2.1	31
20	rDEER: A Modified DEER Sequence for Distance Measurements Using Shaped Pulses. Magnetochemistry, 2019, 5, 20.	2.4	20
21	DEER distance measurements on trityl/trityl and Gd(<scp>iii</scp>)/trityl labelled proteins. Physical Chemistry Chemical Physics, 2019, 21, 10217-10227.	2.8	38
22	Experimental quantification of electron spectral-diffusion under static DNP conditions. Physical Chemistry Chemical Physics, 2019, 21, 478-489.	2.8	6
23	Small Gd(III) Tags for Gd(III)â€“Gd(III) Distance Measurements in Proteins by EPR Spectroscopy. Inorganic Chemistry, 2018, 57, 5048-5059.	4.0	29
24	Assessing protein conformational landscapes: integration of DEER data in Maximum Occurrence analysis. Physical Chemistry Chemical Physics, 2018, 20, 27429-27438.	2.8	20
25	High Sensitivity In-Cell EPR Distance Measurements on Proteins using an Optimized Gd(III) Spin Label. Journal of Physical Chemistry Letters, 2018, 9, 6119-6123.	4.6	59
26	Small neutral Gd(<scp>iii</scp>) tags for distance measurements in proteins by double electronâ€“electron resonance experiments. Physical Chemistry Chemical Physics, 2018, 20, 23535-23545.	2.8	22
27	Triple resonance EPR spectroscopy determines the Mn2+ coordination to ATP. Journal of Magnetic Resonance, 2018, 294, 143-152.	2.1	6
28	A Reactive, Rigid Gd^{III} Labeling Tag for Inâ€Cell EPR Distance Measurements in Proteins. Angewandte Chemie - International Edition, 2017, 56, 2914-2918.	13.8	88
29	Gd3+â€“Gd3+ distances exceeding 3 nm determined by very high frequency continuous wave electron paramagnetic resonance. Physical Chemistry Chemical Physics, 2017, 19, 5127-5136.	2.8	23
30	A Reactive, Rigid Gd^{III} Labeling Tag for Inâ€Cell EPR Distance Measurements in Proteins. Angewandte Chemie, 2017, 129, 2960-2964.	2.0	23
31	Effect of electron spectral diffusion on static dynamic nuclear polarization at 7 Tesla. Physical Chemistry Chemical Physics, 2017, 19, 3596-3605.	2.8	35
32	Thiolate Spin Population of Type I Copper in Azurin Derived from ³³S Hyperfine Coupling. Inorganic Chemistry, 2017, 56, 6163-6174.	4.0	11
33	Rates and equilibrium constants of the ligand-induced conformational transition of an HCN ion channel protein domain determined by DEER spectroscopy. Physical Chemistry Chemical Physics, 2017, 19, 15324-15334.	2.8	32
34	Selective Distance Measurements Using Triple Spin Labeling with Gd³⁺, Mn²⁺, and a Nitroxide. Journal of Physical Chemistry Letters, 2017, 8, 5277-5282.	4.6	45
35	Generic tags for Mn(<scp>ii</scp>) and Gd(<scp>iii</scp>) spin labels for distance measurements in proteins. Physical Chemistry Chemical Physics, 2017, 19, 26944-26956.	2.8	19
36	Direct Spectroscopic Detection of ATP Turnover Reveals Mechanistic Divergence of ABC Exporters. Structure, 2017, 25, 1264-1274.e3.	3.3	34

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37	Doubleâ€Arm Lanthanide Tags Deliver Narrow Gd³⁺â€“Gd³⁺ Distance Distributions in Double Electronâ€“Electron Resonance (DEER) Measurements. Chemistry - A European Journal, 2017, 23, 11694-11702.	3.3	25
38	Time domain simulation of Gd3+â€“Gd3+ distance measurements by EPR. Journal of Chemical Physics, 2017, 147, 044201.	3.0	23
39	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
40	Correction: Gd(iii)â€“Gd(iii) EPR distance measurements â€“ the range of accessible distances and the impact of zero field splitting. Physical Chemistry Chemical Physics, 2016, 18, 18614-18614.	2.8	0
41	Overcoming artificial broadening in Gd³⁺â€“Gd³⁺ distance distributions arising from dipolar pseudo-secular terms in DEER experiments. Physical Chemistry Chemical Physics, 2016, 18, 12847-12859.	2.8	28
42	Supporting women postdocs in Israel. Nature, 2016, 534, 621-621.	27.8	0
43	Structural disorder of monomeric Î±-synuclein persists in mammalian cells. Nature, 2016, 530, 45-50.	27.8	720
44	Pulse EPR-enabled interpretation of scarce pseudocontact shifts induced by lanthanide binding tags. Journal of Biomolecular NMR, 2016, 64, 39-51.	2.8	14
45	Gd³⁺ Spin Labels Report the Conformation and Solvent Accessibility of Solution and Vesicle-Bound Melittin. Journal of Physical Chemistry B, 2015, 119, 13732-13741.	2.6	15
46	Simultaneous DNP enhancements of ¹H and ¹³C nuclei: theory and experiments. Physical Chemistry Chemical Physics, 2015, 17, 11868-11883.	2.8	23
47	Distance measurements between manganese(<scp>ii</scp>) and nitroxide spin-labels by DEER determine a binding site of Mn²⁺ in the HP92 loop of ribosomal RNA. Physical Chemistry Chemical Physics, 2015, 17, 15098-15102.	2.8	26
48	Gd(<scp>iii</scp>)â€“Gd(<scp>iii</scp>) EPR distance measurements â€“ the range of accessible distances and the impact of zero field splitting. Physical Chemistry Chemical Physics, 2015, 17, 18464-18476.	2.8	71
49	The effect of Gd on trityl-based dynamic nuclear polarisation in solids. Physical Chemistry Chemical Physics, 2015, 17, 26969-26978.	2.8	28
50	Gd3+ Spin Labeling for Measuring Distances in Biomacromolecules. Methods in Enzymology, 2015, 563, 415-457.	1.0	59
51	A New Gd³⁺ Spin Label for Gd³⁺â€“Gd³⁺ Distance Measurements in Proteins Produces Narrow Distance Distributions. Journal of Physical Chemistry Letters, 2015, 6, 5016-5021.	4.6	42
52	Mn(<scp>ii</scp>) tags for DEER distance measurements in proteins via Câ€“S attachment. Dalton Transactions, 2015, 44, 20812-20816.	3.3	42
53	ATPase Site Configuration of the RNA Helicase DbpA Probed by ENDOR Spectroscopy. Methods in Molecular Biology, 2015, 1259, 137-164.	0.9	1
54	Determining the Oligomeric Structure of Proteorhodopsin by Gd3+-Based Pulsed Dipolar Spectroscopy of Multiple Distances. Structure, 2014, 22, 1677-1686.	3.3	72

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55	Static 1H dynamic nuclear polarization with the biradical TOTAPOL: a transition between the solid effect and the cross effect. Physical Chemistry Chemical Physics, 2014, 16, 6687-6699.	2.8	32
56	Gd3+ spin labeling for distance measurements by pulse EPR spectroscopy. Physical Chemistry Chemical Physics, 2014, 16, 9685.	2.8	163
57	Probing Water Density and Dynamics in the Chaperonin GroEL Cavity. Journal of the American Chemical Society, 2014, 136, 9396-9403.	13.7	25
58	Probing Protein Conformation in Cells by EPR Distance Measurements using Gd³⁺ Spin Labeling. Journal of the American Chemical Society, 2014, 136, 13458-13465.	13.7	187
59	Correlating nuclear frequencies by two-dimensional ELDOR-detected NMR spectroscopy. Journal of Magnetic Resonance, 2014, 240, 77-89.	2.1	20
60	Extending the distance range accessed with continuous wave EPR with Gd3+ spin probes at high magnetic fields. Physical Chemistry Chemical Physics, 2013, 15, 11313.	2.8	35
61	A novel microfluidic rapid freeze-quench device for trapping reactions intermediates for high field EPR analysis. Journal of Magnetic Resonance, 2013, 230, 220-226.	2.1	16
62	W-band orientation selective DEER measurements on a Gd3+/nitroxide mixed-labeled protein dimer with a dual mode cavity. Journal of Magnetic Resonance, 2013, 227, 66-71.	2.1	52
63	Topology of the Trans-Membrane Peptide WALP23 in Model Membranes under Negative Mismatch Conditions. Journal of Physical Chemistry B, 2013, 117, 2280-2293.	2.6	16
64	Membrane curvature and cholesterol effects on lipids packing and spin-labelled lipids conformational distributions. Molecular Physics, 2013, 111, 2887-2896.	1.7	6
65	Gadolinium(III) Spin Labels for Highâ€Sensitivity Distance Measurements in Transmembrane Helices. Angewandte Chemie - International Edition, 2013, 52, 11831-11834.	13.8	54
66	The Topology, in Model Membranes, of the Core Peptide Derived from the Tâ€Cell Receptor Transmembrane Domain. ChemBioChem, 2013, 14, 1867-1875.	2.6	6
67	Formation Mechanism of Cubic Mesoporous Carbon Monolith Synthesized by Evaporation-Induced Self-assembly. Chemistry of Materials, 2012, 24, 383-392.	6.7	62
68	Nanometer-Range Distance Measurement in a Protein Using Mn²⁺ Tags. Journal of Physical Chemistry Letters, 2012, 3, 157-160.	4.6	72
69	Identity of the Exchangeable Sulfur-Containing Ligand at the Mo(V) Center of R160Q Human Sulfite Oxidase. Inorganic Chemistry, 2012, 51, 1408-1418.	4.0	30
70	Investigation of Model Membrane Disruption Mechanism by Melittin using Pulse Electron Paramagnetic Resonance Spectroscopy and Cryogenic Transmission Electron Microscopy. Journal of Physical Chemistry B, 2012, 116, 179-188.	2.6	36
71	Spin Delocalization Over Type Zero Copper. Inorganic Chemistry, 2012, 51, 4066-4075.	4.0	16
72	The interaction between the surfactant and the co-structure directing agent in anionic surfactant-templated mesoporous silicas. Microporous and Mesoporous Materials, 2012, 163, 291-299.	4.4	4

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73	Spectroscopic selection of distance measurements in a protein dimer with mixed nitroxide and Gd3+ spin labels. Physical Chemistry Chemical Physics, 2012, 14, 4355.	2.8	73
74	Dynamic nuclear polarization in the solid state: a transition between the cross effect and the solid effect. Physical Chemistry Chemical Physics, 2012, 14, 5729.	2.8	103
75	Correlation of the EPR properties of perchlorotriphenylmethyl radicals and their efficiency as DNP polarizers. Physical Chemistry Chemical Physics, 2011, 13, 18626.	2.8	16
76	Dynamic Hydrogen-Bonding Network in the Distal Pocket of the Nitrosyl Complex of Pseudomonas aeruginosa cd₁ Nitrite Reductase. Journal of the American Chemical Society, 2011, 133, 3043-3055.	13.7	32
77	Gadolinium Tagging for High-Precision Measurements of 6 nm Distances in Protein Assemblies by EPR. Journal of the American Chemical Society, 2011, 133, 10418-10421.	13.7	104
78	Probing Conformational Variations at the ATPase Site of the RNA Helicase DbpA by High-Field Electronâ€“Nuclear Double Resonance Spectroscopy. Journal of the American Chemical Society, 2011, 133, 15514-15523.	13.7	18
79	Temperature-Dependent Exchange Interaction in Molecular Magnets Cu(hfac)₂L^R Studied by EPR: Methodology and Interpretations. Inorganic Chemistry, 2011, 50, 10204-10212.	4.0	37
80	W-Band pulse EPR distance measurements in peptides using Gd3+â€“dipicolinic acid derivatives as spin labels. Physical Chemistry Chemical Physics, 2011, 13, 10771.	2.8	54
81	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
82	Determination of the 14N quadrupole coupling constant of nitroxide spin probes by W-band ELDOR-detected NMR. Journal of Magnetic Resonance, 2011, 210, 192-199.	2.1	39
83	A Calibration Reaction for Rapid Freeze-Quench W-Band EPR. Applied Magnetic Resonance, 2010, 37, 845-850.	1.2	9
84	Highâ€Field Pulsed EPR Spectroscopy for the Speciation of the Reduced [PV₂Mo₁₀O₄₀]^{6â^'} Polyoxometalate Catalyst Used in Electronâ€Transfer Oxidations. Chemistry - A European Journal, 2010, 16, 10014-10020.	3.3	35
85	EPR detected polarization transfer between Gd3+ and protons at low temperature and 3.3 T: The first step of dynamic nuclear polarization. Journal of Chemical Physics, 2010, 132, 214504.	3.0	16
86	Self-Assembly of Amphiphilic Block Copolymers in Dispersions of Multiwalled Carbon Nanotubes As Reported by Spin Probe Electron Paramagnetic Resonance Spectroscopy. Macromolecules, 2010, 43, 606-614.	4.8	28
87	Nanometer-Scale Distance Measurements in Proteins Using Gd³⁺ Spin Labeling. Journal of the American Chemical Society, 2010, 132, 9040-9048.	13.7	143
88	Investigation of the Surfactant Role in the Synthesis of Mesoporous Alumina. Journal of Physical Chemistry C, 2010, 114, 28-35.	3.1	23
89	Resolving ligand hyperfine couplings of type 1 and 2 Cu(ii) in ascorbate oxidase by high field pulse EPRcorrelation spectroscopy. Physical Chemistry Chemical Physics, 2010, 12, 62-65.	2.8	10
90	Revisiting the nitrosyl complex of myoglobin by high-field pulse EPR spectroscopy and quantum mechanical calculations. Physical Chemistry Chemical Physics, 2010, 12, 7276.	2.8	37

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91	Heme d1 Nitrosyl Complex of cd1 Nitrite Reductase Studied by High-Field-Pulse Electron Paramagnetic Resonance Spectroscopy. Inorganic Chemistry, 2009, 48, 3913-3915.	4.0	11
92	A Combined Pulse EPR and Monte Carlo Simulation Study Provides Molecular Insight on Peptideâ^'Membrane Interactions. Journal of Physical Chemistry B, 2009, 113, 12687-12695.	2.6	38
93	Distribution of guest molecules in Pluronic micelles studied by double electron electron spin resonance and small angle X-ray scattering. Physical Chemistry Chemical Physics, 2009, 11, 148-160.	2.8	28
94	Studying Supramolecular Assemblies by ESEEM Spectroscopy: Inclusion Complexes of Cyclodextrins. Journal of Physical Chemistry B, 2009, 113, 5781-5787.	2.6	20
95	Oxidation of Carbon Monoxide Cocatalyzed by Palladium(0) and the H₅PV₂Mo₁₀O₄₀ Polyoxometalate Probed by Electron Paramagnetic Resonance and Aerobic Catalysis. Inorganic Chemistry, 2009, 48, 7947-7952.	4.0	28
96	Population transfer for signal enhancement in pulsed EPR experiments on half integer high spin systems. Physical Chemistry Chemical Physics, 2009, 11, 6799.	2.8	13
97	High-Resolution Cryogenic-Electron Microscopy Reveals Details of a Hexagonal-to-Bicontinuous Cubic Phase Transition in Mesoporous Silica Synthesis. Journal of the American Chemical Society, 2009, 131, 12466-12473.	13.7	34
98	HYSCORE and DEER with an upgraded 95GHz pulse EPR spectrometer. Journal of Magnetic Resonance, 2008, 194, 8-15.	2.1	120
99	Self-Assembly of Pluronic Block Copolymers in Aqueous Dispersions of Single-Wall Carbon Nanotubes as Observed by Spin Probe EPR. Langmuir, 2008, 24, 3773-3779.	3.5	37
100	Characterization of borate glasses by W-band pulse electron-nuclear double resonance spectroscopy. Journal of Chemical Physics, 2008, 129, 154502.	3.0	8
101	A triple resonance hyperfine sublevel correlation experiment for assignment of electron-nuclear double resonance lines. Journal of Chemical Physics, 2008, 128, 052320.	3.0	22
102	Molecular Level Processes and Nanostructure Evolution During the Formation of the Cubic Mesoporous Material KIT-6. Chemistry of Materials, 2008, 20, 2779-2792.	6.7	56
103	Aggregation and Self-Assembly of Amphiphilic Block Copolymers in Aqueous Dispersions of Carbon Nanotubes. Langmuir, 2008, 24, 4625-4632.	3.5	71
104	Evolution of Solution Structures during the Formation of the Cubic Mesoporous Material, KIT-6, Determined by Double Electronâ^'Electron Resonance. Journal of Physical Chemistry C, 2008, 112, 7102-7109.	3.1	20
105	High-Field EPR Reveals the Strongly Temperature-Dependent Exchange Interaction in â€œBreathingâ€• Crystals Cu(hfac)₂L^R. Journal of the American Chemical Society, 2008, 130, 2444-2445.	13.7	87
106	The Mn2+â^'Bicarbonate Complex in a Frozen Solution Revisited by Pulse W-Band ENDOR. Inorganic Chemistry, 2008, 47, 10491-10498.	4.0	14
107	Interaction of Nitrates with Pluronic Micelles and Their Role in the Phase Formation of Mesoporous Materials. Journal of Physical Chemistry C, 2007, 111, 10931-10940.	3.1	31
108	Single Crystal55Mn ENDOR of Concanavalin A:Â Detection of Two Mn2+Sites with Different55Mn Quadrupole Tensors. Journal of the American Chemical Society, 2007, 129, 5391-5402.	13.7	8

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109	The Catalytic Mn2+Sites in the Enolaseâ^'Inhibitor Complex:Â Crystallography, Single-Crystal EPR, and DFT Calculations. Journal of the American Chemical Society, 2007, 129, 4240-4252.	13.7	24
110	Gd³⁺ Complexes as Potential Spin Labels for High Field Pulsed EPR Distance Measurements. Journal of the American Chemical Society, 2007, 129, 14138-14139.	13.7	138
111	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
112	Utilizing ESEEM Spectroscopy to Locate the Position of Specific Regions of Membrane-Active Peptides within Model Membranes. Biophysical Journal, 2006, 90, 492-505.	0.5	56
113	Resolving Intermediate Solution Structures during the Formation of Mesoporous SBA-15. Journal of the American Chemical Society, 2006, 128, 3366-3374.	13.7	138
114	High field ENDOR as a characterization tool for functional sites in microporous materials. Physical Chemistry Chemical Physics, 2006, 8, 2325.	2.8	41
115	High Field27Al ENDOR Reveals the Coordination Mode of Cu2+in Low Si/Al Zeolites. Journal of the American Chemical Society, 2006, 128, 7160-7161.	13.7	16
116	Structural and EPR/ENDOR/ESEEM spectroscopic investigations of a vanadomolybdate Keggin-type polyoxometalate in organic solvent. Inorganica Chimica Acta, 2006, 359, 3072-3078.	2.4	3
117	Spectrometer manager: A versatile control software for pulse EPR spectrometers. Concepts in Magnetic Resonance Part B, 2005, 26B, 36-45.	0.7	81
118	Dynamics and structure in the Mn2+ site of concanavalin A as determined by high-field EPR and ENDOR spectroscopy. Magnetic Resonance in Chemistry, 2005, 43, S40-S50.	1.9	10
119	Synthesis of MCM-41 with a Phosphonium Template. Chemistry of Materials, 2005, 17, 3723-3727.	6.7	9
120	Double Electron Electron Resonance as a Method for Characterization of Micelles. Journal of Physical Chemistry B, 2005, 109, 22843-22851.	2.6	35
121	Properties of the Silica Layer during the Formation of MCM-41 Studied by EPR of a Silica-Bound Spin Probe. Journal of Physical Chemistry B, 2005, 109, 7807-7816.	2.6	32
122	The17O Hyperfine Interaction in V17O(H217O)52+and Mn(H217O)62+Determined by High Field ENDOR Aided by DFT Calculations. Journal of Physical Chemistry A, 2005, 109, 7865-7871.	2.5	51
123	EPR studies on the organization of self-assembled spin-labeled organic monolayers adsorbed on GaAs. Physical Chemistry Chemical Physics, 2005, 7, 524.	2.8	20
124	Carboxylate Binding in Copper Histidine Complexes in Solution and in Zeolite Y:â€‰ X- and W-band Pulsed EPR/ENDOR Combined with DFT Calculations. Journal of the American Chemical Society, 2004, 126, 11733-11745.	13.7	72
125	Study of the Initial Formation Stages of the Mesoporous Material SBA-15 Using Spin-Labeled Block Co-polymer Templates. Journal of Physical Chemistry B, 2004, 108, 9016-9022.	2.6	95
126	Study of the Formation of the Mesoporous Material SBA-15 by EPR Spectroscopy. Journal of Physical Chemistry B, 2003, 107, 1739-1748.	2.6	127

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127	Axial Solvent Coordination in â€œBase-Offâ€•Cob(II)alamin and Related Co(II)-Corrinates Revealed by 2D-EPR. Journal of the American Chemical Society, 2003, 125, 5915-5927.	13.7	62
128	Structure and dynamics of copper complexes with 2,2â€²:6â€²,2â€³-terpyridines in glassy matrices. Physical Chemistry Chemical Physics, 2003, 5, 3959-3967.	2.8	20
129	Investigation of the Formation of MCM-41 by Electron Spinâ^'Echo Envelope Modulation Spectroscopy. Journal of Physical Chemistry B, 2002, 106, 5382-5389.	2.6	37
130	Electron-Mediating CuA Centers in Proteins:â€‰ A Comparative High Field 1H ENDOR Study. Journal of the American Chemical Society, 2002, 124, 8152-8162.	13.7	35
131	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. Journal of Physical Chemistry B, 2002, 106, 5428-5437.	2.6	36
132	Elucidation of Structure and Location of V(IV) Ions in Heteropolyacid Catalysts H4PVMo11O40as 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
133	Proton Positions in the Mn2+Binding Site of Concanavalin A as Determined by Single-Crystal High-Field ENDOR Spectroscopy. Journal of the American Chemical Society, 2001, 123, 8378-8386.	13.7	27
134	Pulsed EPR/ENDOR Characterization of Perturbations of the CuACenter Ground State by Axial Methionine Ligand Mutations. Journal of the American Chemical Society, 2001, 123, 5325-5336.	13.7	37
135	Structure of Copper(II)â^'Histidine Based Complexes in Frozen Aqueous Solutions As Determined from High-Field Pulsed Electron Nuclear Double Resonance. Inorganic Chemistry, 2001, 40, 781-787.	4.0	63
136	Manganese Incorporation into the Mesoporous Material MCM-41 under Acidic Conditions as Studied by High Field Pulsed EPR and ENDOR Spectroscopies. Journal of the American Chemical Society, 2000, 122, 7034-7041.	13.7	26
137	Geometry and Framework Interactions of Zeolite-Encapsulated Copper(II)â^'Histidine Complexes. Journal of the American Chemical Society, 2000, 122, 11488-11496.	13.7	76
138	W- and X-Band Pulsed Electron Nuclear Double-Resonance Study of a Sodiumâ^'Nitric Oxide Adsorption Complex in NaA Zeolites. Journal of the American Chemical Society, 2000, 122, 10194-10200.	13.7	44
139	W-Band ENDOR Investigation of the Manganese-Binding Site of Concanavalin A:â€‰ Determination of Proton Hyperfine Couplings and Their Signs. Journal of the American Chemical Society, 2000, 122, 3488-3494.	13.7	50
140	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
141	Nature and Surface Redox Properties of Copper(II)-Promoted Cerium(IV) Oxide CO-Oxidation Catalysts. Chemistry of Materials, 2000, 12, 3715-3725.	6.7	150
142	Mutations of the Weak Axial Ligand in the Thermus CuA Center Modulates Its Electronic Structure. Journal of the American Chemical Society, 1999, 121, 5077-5078.	13.7	24
143	Role of Copper in the Characterization of Copper(II)-Promoted Tin(IV) Oxide Catalysts for the Catalytic Oxidation of Carbon Monoxide. Chemistry of Materials, 1999, 11, 3643-3654.	6.7	22
144	EPR Studies of the Formation Mechanism of the Mesoporous Materials MCM-41 and MCM-50. Journal of Physical Chemistry B, 1997, 101, 7087-7094.	2.6	115

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145	Synthesis of Lamellar Mesostructures with Nonamphiphilic Mesogens as Templates. Chemistry of Materials, 1996, 8, 2571-2578.	6.7	15
146	Magnetic resonance studies of SAPO-44 and MnAPSO-44. Journal of the American Chemical Society, 1993, 115, 1106-1114.	13.7	37
147	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. Journal of Chemical Physics, 1992, 96, 6464-6476.	3.0	25
148	Dynamics of water molecules in VPI-5 and AlPO4-5 studied by deuterium NMR spectroscopy. Journal of the American Chemical Society, 1992, 114, 3690-3697.	13.7	45
149	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
150	Characterization of Cu2+ sites in zeolites NaX and KX by 27Al electron spin echo envelope modulation. Chemical Physics Letters, 1990, 171, 167-174.	2.6	13
151	MAS n.m.r. and e.s.r. studies of MnAlPO5. Zeolites, 1989, 9, 509-515.	0.5	52
152	Analysis of27Al nuclear quadrupole interaction effects on electron spin echo modulation in disordered systems. Journal of Chemical Physics, 1987, 87, 6323-6330.	3.0	14
153	An electron spin resonance and electron spin-echo modulation study of paramagnetic rhodium species generated in Ca-Y and Na-Y zeolites. Journal of the American Chemical Society, 1987, 109, 2303-2311.	13.7	8
154	Collection of Gas Chromatographic Fractions on Activated Charcoal and Identification by Infrared Spectroscopy. Applied Spectroscopy, 1979, 33, 126-130.	2.2	2