Gunnar Jeschke

List of Publications by Year
in descending order

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242	14,572	23500	24915
papers	citations	58 h-index	109 g-index

263	263	263	7756
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dead-Time Free Measurement of Dipoleâ€“Dipole Interactions between Electron Spins. Journal of Magnetic Resonance, 2000, 142, 331-340.	1.2	949
2	DeerAnalysis2006â€”a comprehensive software package for analyzing pulsed ELDOR data. Applied Magnetic Resonance, 2006, 30, 473-498.	0.6	941
3	DEER Distance Measurements on Proteins. Annual Review of Physical Chemistry, 2012, 63, 419-446.	4.8	869
4	Distance measurements on spin-labelled biomacromolecules by pulsed electron paramagnetic resonance. Physical Chemistry Chemical Physics, 2007, 9, 1895.	1.3	557
5	Rotamer libraries of spin labelled cysteines for protein studies. Physical Chemistry Chemical Physics, 2011, 13, 2356-2366.	1.3	406
6	Large Molecular Weight Nitroxide Biradicals Providing Efficient Dynamic Nuclear Polarization at Temperatures up to 200 K. Journal of the American Chemical Society, 2013, 135, 12790-12797.	6.6	355
7	Distance Measurements in the Nanometer Range by Pulse EPR. ChemPhysChem, 2002, 3, 927-932.	1.0	277
8	Direct Conversion of EPR Dipolar Time Evolution Data to Distance Distributions. Journal of Magnetic Resonance, 2002, 155, 72-82.	1.2	221
9	Dark Photocatalysis: Storage of Solar Energy in Carbon Nitride for Timeâ€Đelayed Hydrogen Generation. Angewandte Chemie - International Edition, 2017, 56, 510-514.	7.2	204
10	Structural Model of Active Bax at the Membrane. Molecular Cell, 2014, 56, 496-505.	4.5	190
11	Structural basis of the non-coding RNA RsmZ acting as a protein sponge. Nature, 2014, 509, 588-592.	13.7	189
12	Determination of the Nanostructure of Polymer Materials by Electron Paramagnetic Resonance Spectroscopy. Macromolecular Rapid Communications, 2002, 23, 227-246.	2.0	176
13	Data analysis procedures for pulse ELDOR measurements of broad distance distributions. Applied Magnetic Resonance, 2004, 26, 223-244.	0.6	174
14	Dipolar spectroscopy and spin alignment in electron paramagnetic resonance. Chemical Physics Letters, 2000, 331, 243-252.	1.2	173
15	High sensitivity and versatility of the DEER experiment on nitroxide radical pairs at Q-band frequencies. Physical Chemistry Chemical Physics, 2012, 14, 10762.	1.3	173
16	Gd(III)-PyMTA Label Is Suitable for In-Cell EPR. Journal of the American Chemical Society, 2014, 136, 15366-15378.	6.6	151
17	Distance measurements in the borderline region of applicability of CW EPR and DEER: A model study on a homologous series of spin-labelled peptides. Journal of Magnetic Resonance, 2008, 191, 202-218.	1.2	142
18	Rational design of dinitroxide biradicals for efficient cross-effect dynamic nuclear polarization. Chemical Science, 2016, 7, 550-558.	3.7	141

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19	Sensitivity enhancement in pulse EPR distance measurements. Journal of Magnetic Resonance, 2004, 169, 1-12.	1.2	138
20	Deep neural network processing of DEER data. Science Advances, 2018, 4, eaat5218.	4.7	134
21	Assessing Oligomerization of Membrane Proteins by Four-Pulse DEER: pH-Dependent Dimerization of NhaA Na+/H+ Antiporter of E. coli. Biophysical Journal, 2005, 89, 1328-1338.	0.2	133
22	Spin pair geometry revealed by high-field DEER in the presence of conformational distributions. Journal of Magnetic Resonance, 2007, 185, 118-129.	1.2	133
23	Conformational dynamics and distribution of nitroxide spin labels. Progress in Nuclear Magnetic Resonance Spectroscopy, 2013, 72, 42-60.	3.9	131
24	MMM: A toolbox for integrative structure modeling. Protein Science, 2018, 27, 76-85.	3.1	130
25	Three-spin correlations in double electronâ€“electron resonance. Physical Chemistry Chemical Physics, 2009, 11, 6580.	1.3	127
26	How Flexible Are Poly(para-phenyleneethynylene)s?. Angewandte Chemie - International Edition, 2006, 45, 7560-7564.	7.2	125
27	Radical Trifluoromethoxylation of Arenes Triggered by a Visibleâ€Lightâ€Mediated Nâ^'O Bond Redox Fragmentation. Angewandte Chemie - International Edition, 2018, 57, 13784-13789.	7.2	124
28	Benchmark Test and Guidelines for DEER/PELDOR Experiments on Nitroxide-Labeled Biomolecules. Journal of the American Chemical Society, 2021, 143, 17875-17890.	6.6	124
29	Adiabatic and fast passage ultra-wideband inversion in pulsed EPR. Journal of Magnetic Resonance, 2013, 230, 27-39.	1.2	118
30	Flexibility of Shape-Persistent Molecular Building Blocks Composed ofp-Phenylene and Ethynylene Units. Journal of the American Chemical Society, 2010, 132, 10107-10117.	6.6	110
31	Solution structure of discoidal high-density lipoprotein particles with a shortened apolipoprotein A-I. Nature Structural and Molecular Biology, 2017, 24, 187-193.	3.6	105
32	Selective Measurements of a Nitroxideâ€“Nitroxide Separation of 5 nm and a Nitroxideâ€“Copper Separation of 2.5 nm in a Terpyridine-Based Copper(II) Complex by Pulse EPR Spectroscopy. Angewandte Chemie - International Edition, 2002, 41, 3907-3910.	7.2	103
33	High-Resolution Structure of a Na+/H+ Antiporter Dimer Obtained by Pulsed Electron Paramagnetic Resonance Distance Measurements. Biophysical Journal, 2007, 93, 3675-3683.	0.2	101
34	Double Electronâ^'Electron Resonance Measured Between Gd³⁺ Ions and Nitroxide Radicals. Journal of Physical Chemistry Letters, 2011, 2, 604-609.	2.1	99
35	BDPA-Nitroxide Biradicals Tailored for Efficient Dynamic Nuclear Polarization Enhanced Solid-State NMR at Magnetic Fields up to 21.1 T. Journal of the American Chemical Society, 2018, 140, 13340-13349.	6.6	99
36	EPR-aided approach for solution structure determination of large RNAs or proteinâ€“RNA complexes. Nature Communications, 2014, 5, 3669.	5.8	96

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37	Orthogonal Spin Labeling and Gd(III)â€“Nitroxide Distance Measurements on Bacteriophage T4-Lysozyme. Journal of Physical Chemistry B, 2013, 117, 3145-3153.	1.2	93
38	Capture and characterization of a reactive haemâ€“carbenoid complex in an artificial metalloenzyme. Nature Catalysis, 2018, 1, 578-584.	16.1	93
39	DeerLab: a comprehensive software package for analyzing dipolar electron paramagnetic resonance spectroscopy data. Magnetic Resonance, 2020, 1, 209-224.	0.8	93
40	Gd(III)â€“Gd(III) distance measurements with chirp pump pulses. Journal of Magnetic Resonance, 2015, 259, 153-162.	1.2	89
41	Distance Measurement on an Endogenous Membrane Transporter in E. coli Cells and Native Membranes Using EPR Spectroscopy. Angewandte Chemie - International Edition, 2015, 54, 6196-6199.	7.2	89
42	Lateral Diffusion of Thiol Ligands on the Surface of Au Nanoparticles:â€‰ An Electron Paramagnetic Resonance Study. Analytical Chemistry, 2008, 80, 95-106.	3.2	88
43	The contribution of modern EPR to structural biology. Emerging Topics in Life Sciences, 2018, 2, 9-18.	1.1	87
44	Pyridyl Radical Cation for Câˆ’H Amination of Arenes. Angewandte Chemie - International Edition, 2019, 58, 526-531.	7.2	86
45	Distance measurements in Au nanoparticles functionalized with nitroxide radicals and Gd3+â€“DTPA chelate complexes. Physical Chemistry Chemical Physics, 2012, 14, 10732.	1.3	85
46	Suppression of ghost distances in multiple-spin double electronâ€“electron resonance. Physical Chemistry Chemical Physics, 2013, 15, 5854.	1.3	84
47	A reassessment of the origin of photochemically induced dynamic nuclear polarization effects in solids. Chemical Physics, 2003, 294, 239-255.	0.9	83
48	RIDME Spectroscopy with Gd(III) Centers. Journal of Physical Chemistry Letters, 2014, 5, 3970-3975.	2.1	76
49	Pulsed EPR Determination of Water Accessibility to Spin-Labeled Amino Acid Residues in LHCIIb. Biophysical Journal, 2009, 96, 1124-1141.	0.2	74
50	Refolding of the integral membrane protein light-harvesting complex II monitored by pulse EPR. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18485-18490.	3.3	74
51	Sensitivity Enhancement by Matched Microwave Pulses in One- and Two-Dimensional Electron Spin Echo Envelope Modulation Spectroscopy. Journal of Magnetic Resonance, 1998, 131, 261-271.	1.2	73
52	Electronâ€“electronâ€“nuclear three-spin mixing in spin-correlated radical pairs. Journal of Chemical Physics, 1997, 106, 10072-10086.	1.2	72
53	Magnetic Field Dependence of Photo-CIDNP MAS NMR on Photosynthetic Reaction Centers ofRhodobacter sphaeroidesWT. Journal of the American Chemical Society, 2005, 127, 14290-14298.	6.6	67
54	EPR Probes with Well-Defined, Long Distances between Two or Three Unpaired Electrons. Journal of Organic Chemistry, 2000, 65, 7575-7582.	1.7	66

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55	A New Mechanism for Chemically Induced Dynamic Nuclear Polarization in the Solid State. Journal of the American Chemical Society, 1998, 120, 4425-4429.	6.6	65
56	¹⁵ N photochemically induced dynamic nuclear polarization magic-angle spinning NMR analysis of the electron donor of photosystem II. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12767-12771.	3.3	64
57	Fourier-transform electron spin resonance with bandwidth-compensated chirp pulses. Journal of Magnetic Resonance, 2014, 246, 18-26.	1.2	64
58	NMR and EPR reveal a compaction of the RNA-binding protein FUS upon droplet formation. Nature Chemical Biology, 2021, 17, 608-614.	3.9	63
59	Dead-time free measurement of dipoleâ€“dipole interactions between electron spins. Journal of Magnetic Resonance, 2011, 213, 316-325.	1.2	61
60	Structural insights into Î±-synuclein monomerâ€“fibril interactions. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	60
61	Photochemically Induced Dynamic Nuclear Polarization in Photosystem I of Plants Observed by13C Magic-Angle Spinning NMR. Journal of the American Chemical Society, 2004, 126, 12819-12826.	6.6	58
62	Distance Measurements on Orthogonally Spin-Labeled Membrane Spanning WALP23 Polypeptides. Journal of Physical Chemistry B, 2013, 117, 2061-2068.	1.2	58
63	Local Structures and Heterogeneity of Silica-Supported M(III) Sites Evidenced by EPR, IR, NMR, and Luminescence Spectroscopies. Journal of the American Chemical Society, 2017, 139, 8855-8867.	6.6	58
64	Determination of Ion Cluster Sizes and Cluster-to-Cluster Distances in Ionomers by Four-Pulse Double Electron Electron Resonance Spectroscopy. Macromolecules, 2000, 33, 7812-7818.	2.2	56
65	Photo-CIDNP MAS NMR in Intact Cells ofRhodobactersphaeroidesR26:Â Molecular and Atomic Resolution at Nanomolar Concentration. Journal of the American Chemical Society, 2006, 128, 12794-12799.	6.6	56
66	Solid-Phase Polarization Matrixes for Dynamic Nuclear Polarization from Homogeneously Distributed Radicals in Mesostructured Hybrid Silica Materials. Journal of the American Chemical Society, 2013, 135, 15459-15466.	6.6	56
67	Wideband frequency-swept excitation in pulsed EPR spectroscopy. Journal of Magnetic Resonance, 2017, 280, 46-62.	1.2	55
68	Sensitivity enhancement by population transfer in Gd(<scp>iii</scp>) spin labels. Physical Chemistry Chemical Physics, 2015, 17, 7334-7344.	1.3	54
69	Dark Photocatalysis: Storage of Solar Energy in Carbon Nitride for Timeâ€Delayed Hydrogen Generation. Angewandte Chemie, 2017, 129, 525-529.	1.6	54
70	Conformational Cycle of the Vitamin B12 ABC Importer in Liposomes Detected by Double Electron-Electron Resonance (DEER). Journal of Biological Chemistry, 2014, 289, 3176-3185.	1.6	53
71	Room-temperature synthesis of Feâ€“BTC from layered iron hydroxides: the influence of precursor organisation. CrystEngComm, 2013, 15, 9885.	1.3	49
72	Solidâ€state NMR and EPR Spectroscopy of Mn²⁺â€Substituted ATPâ€Fueled Protein Engines. Angewandte Chemie - International Edition, 2017, 56, 3369-3373.	7.2	49

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73	Highly Efficient UV Protection of the Biomaterial Wood by A Transparent TiO₂/Ce Xerogel. ACS Applied Materials & Interfaces, 2017, 9, 39040-39047.	4.0	48
74	Electron Spin Density Distribution in the Special Pair Triplet of Rhodobacter sphaeroides R26 Revealed by Magnetic Field Dependence of the Solid-State Photo-CIDNP Effect. Journal of the American Chemical Society, 2012, 134, 5921-5930.	6.6	46
75	Laser-Induced Magnetic Dipole Spectroscopy. Journal of Physical Chemistry Letters, 2016, 7, 2204-2209.	2.1	45
76	Copper is a Cofactor of the Formylglycineâ€Generating Enzyme. ChemBioChem, 2017, 18, 161-165.	1.3	45
77	Structural basis of si <scp>RNA</scp> recognition by <scp>TRBP</scp> doubleâ€stranded <scp>RNA</scp> binding domains. EMBO Journal, 2018, 37, .	3.5	43
78	Quantitative analysis of zero-field splitting parameter distributions in Gd(<scp>iii</scp>) complexes. Physical Chemistry Chemical Physics, 2018, 20, 10470-10492.	1.3	42
79	Open and Closed Radicals: Local Geometry around Unpaired Electrons Governs Magic-Angle Spinning Dynamic Nuclear Polarization Performance. Journal of the American Chemical Society, 2020, 142, 16587-16599.	6.6	42
80	Cryogenic 35GHz pulse ENDOR probehead accommodating large sample sizes: Performance and applications. Journal of Magnetic Resonance, 2009, 200, 81-87.	1.2	41
81	Orientation selective DEER measurements on vinculin tail at X-band frequencies reveal spin label orientations. Journal of Magnetic Resonance, 2012, 216, 53-61.	1.2	41
82	Radikalische Trifluormethoxylierung aromatischer Verbindungen durch photochemische Nâ€Oâ€Bindungsaktivierung. Angewandte Chemie, 2018, 130, 13980-13985.	1.6	41
83	EPR characterization of Mn(<scp>ii</scp>) complexes for distance determination with pulsed dipolar spectroscopy. Physical Chemistry Chemical Physics, 2016, 18, 25120-25135.	1.3	40
84	Prediction of favourable sites for spin labelling of proteins. Spectroscopy, 2010, 24, 651-659.	0.8	39
85	Synthetic Diversity from a Versatile and Radical Nitrating Reagent. Chemistry - A European Journal, 2019, 25, 12929-12939.	1.7	39
86	Backbone Structure of Transmembrane Domain IX of the Na+/Proline Transporter PutP of Escherichia coli. Biophysical Journal, 2009, 96, 217-225.	0.2	38
87	Liquid state DNP for water accessibility measurements on spin-labeled membrane proteins at physiological temperatures. Journal of Magnetic Resonance, 2012, 222, 34-43.	1.2	38
88	Combination of X-ray crystallography, SAXS and DEER to obtain the structure of the FnIII-3,4 domains of integrin Î±6Î²4. Acta Crystallographica Section D: Biological Crystallography, 2015, 71, 969-985.	2.5	38
89	Complementary-addressed site-directed spin labeling of long natural RNAs. Nucleic Acids Research, 2016, 44, 7935-7943.	6.5	38
90	Improving the accuracy of Cu(<scp>ii</scp>)â€“nitroxide RIDME in the presence of orientation correlation in water-soluble Cu(<scp>ii</scp>)â€“nitroxide rulers. Physical Chemistry Chemical Physics, 2019, 21, 9810-9830.	1.3	38

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91	Coherence Transfer by Passage Pulses in Electron Paramagnetic Resonance Spectroscopy. Journal of Physical Chemistry B, 2015, 119, 13570-13582.	1.2	37
92	Combining NMR and EPR to Determine Structures of Large RNAs and Proteinâ€"RNA Complexes in Solution. Methods in Enzymology, 2015, 558, 279-331.	0.4	37
93	Computing distance distributions from dipolar evolution data with overtones: RIDME spectroscopy with Gd(<scp>iii</scp>)-based spin labels. Physical Chemistry Chemical Physics, 2017, 19, 17856-17876.	1.3	36
94	Dynamical decoupling of nitroxides in o-terphenyl: a study of temperature, deuteration and concentration effects. Physical Chemistry Chemical Physics, 2018, 20, 1615-1628.	1.3	36
95	Isotope selection in distance measurements between nitroxides. Journal of Magnetic Resonance, 2006, 180, 137-146.	1.2	35
96	Rigid Core and Flexible Terminus. Journal of Biological Chemistry, 2012, 287, 2915-2925.	1.6	35
97	Level crossing analysis of chemically induced dynamic nuclear polarization: Towards a common description of liquid-state and solid-state cases. Journal of Chemical Physics, 2016, 144, 144202.	1.2	35
98	Role of the nucleotidyl cyclase helical domain in catalytically active dimer formation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9821-E9828.	3.3	35
99	Dendritic polarizing agents for DNP SENS. Chemical Science, 2017, 8, 416-422.	3.7	35
100	UWB DEER and RIDME distance measurements in Cu(II)â€"Cu(II) spin pairs. Journal of Magnetic Resonance, 2019, 308, 106560.	1.2	34
101	Hyperfine-correlated electron nuclear double resonance spectroscopy. Chemical Physics Letters, 1995, 246, 431-438.	1.2	33
102	Characterization of the Primary Radical Pair in Reaction Centers of Heliobacillus mobilis by ¹³C Photo-CIDNP MAS NMR. Biochemistry, 2008, 47, 4629-4635.	1.2	33
103	Intermolecular background decay in RIDME experiments. Physical Chemistry Chemical Physics, 2019, 21, 8228-8245.	1.3	33
104	Identification of Kinetic and Spectroscopic Signatures of Copper Sites for Direct Oxidation of Methane to Methanol. Angewandte Chemie - International Edition, 2021, 60, 15944-15953.	7.2	33
105	Matched twoâ€pulse electron spin echo envelope modulation spectroscopy. Journal of Chemical Physics, 1996, 105, 2199-2211.	1.2	32
106	Relaxation-based distance measurements between a nitroxide and a lanthanide spin label. Journal of Magnetic Resonance, 2008, 194, 254-263.	1.2	32
107	EPR-correlated dipolar spectroscopy by Q-band chirp SIFTER. Physical Chemistry Chemical Physics, 2016, 18, 23111-23120.	1.3	32
108	Elucidation of radical- and oxygenate-driven paths in zeolite-catalysed conversion of methanol and methyl chloride to hydrocarbons. Nature Catalysis, 2022, 5, 605-614.	16.1	32

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109	Hyperfine decoupling in electron spin resonance. Journal of Chemical Physics, 1997, 106, 9979-9991.	1.2	31
110	NMR-correlated high-field electron paramagnetic resonance spectroscopy. Chemical Physics Letters, 1998, 293, 9-18.	1.2	31
111	Conformationally Unambiguous Spin Labeling for Distance Measurements. Chemistry - A European Journal, 2009, 15, 12960-12962.	1.7	31
112	Ensemble models of proteins and protein domains based on distance distribution restraints. Proteins: Structure, Function and Bioinformatics, 2016, 84, 544-560.	1.5	31
113	Artefact suppression in 5-pulse double electron electron resonance for distance distribution measurements. Physical Chemistry Chemical Physics, 2017, 19, 15766-15779.	1.3	31
114	Characterization of Protein Conformational Changes with Sparse Spin-Label Distance Constraints. Journal of Chemical Theory and Computation, 2012, 8, 3854-3863.	2.3	30
115	Copper ESEEM and HYSCORE through ultra-wideband chirp EPR spectroscopy. Journal of Chemical Physics, 2015, 143, 044201.	1.2	30
116	gemâ€Diethyl Pyrroline Nitroxide Spin Labels: Synthesis, EPR Characterization, Rotamer Libraries and Biocompatibility. ChemistryOpen, 2019, 8, 1057-1065.	0.9	30
117	Comparison of Free Radical Levels in the Aerosol from Conventional Cigarettes, Electronic Cigarettes, and Heat-Not-Burn Tobacco Products. Chemical Research in Toxicology, 2019, 32, 1289-1298.	1.7	30
118	Coherent superposition of dressed spin states and pulse dressed electron spin resonance. Chemical Physics Letters, 1999, 301, 524-530.	1.2	29
119	Distance measurements between paramagnetic centers and a planar object by matrix Mims electron nuclear double resonance. Journal of Chemical Physics, 2005, 122, 024515.	1.2	29
120	Direct Evidence for a Hydrogen Bond to Bound Dioxygen in a Myoglobin/Hemoglobin Model System and in Cobalt Myoglobin by Pulseâ€EPR Spectroscopy. Angewandte Chemie - International Edition, 2008, 47, 2600-2603.	7.2	29
121	Radical Trifluoroacetylation of Alkenes Triggered by a Visibleâ€Lightâ€Promoted Câ€“O Bond Fragmentation of Trifluoroacetic Anhydride. Angewandte Chemie - International Edition, 2021, 60, 22487-22495.	7.2	29
122	Co-Conformational Distribution of Nanosized [2]Catenanes Determined by Pulse EPR Measurements. ChemPhysChem, 2003, 4, 1328-1334.	1.0	28
123	Signals in Solid-State Photochemically Induced Dynamic Nuclear Polarization Recover Faster Than Signals Obtained with the Longitudinal Relaxation Time. Journal of Physical Chemistry B, 2007, 111, 10606-10614.	1.2	28
124	A Factor Two Improvement in High-Field Dynamic Nuclear Polarization from Gd(III) Complexes by Design. Journal of the American Chemical Society, 2019, 141, 8746-8751.	6.6	28
125	Probing How Counterion Structure and Dynamics Determine Polyelectrolyte Solutions Using EPR Spectroscopy. Applied Magnetic Resonance, 2010, 37, 657-683.	0.6	27
126	Averaging of nuclear modulation artefacts in RIDME experiments. Journal of Magnetic Resonance, 2016, 272, 108-113.	1.2	27

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127	Spin labelling for integrative structure modelling: a case study of the polypyrimidine-tract binding protein 1 domains in complexes with short RNAs. Physical Chemistry Chemical Physics, 2017, 19, 28360-28380.	1.3	27
128	Photochemically induced dynamic nuclear polarization in the reaction center of the green sulphur bacterium Chlorobium tepidum observed by 13C MAS NMR. Biochimica Et Biophysica Acta - Bioenergetics, 2007, 1767, 610-615.	0.5	26
129	Design and Synthesis of Aviramâ€“Ratnerâ€Type Dyads and Rectification Studies in Langmuirâ€“Blodgett (LB) Films. Chemistry - A European Journal, 2016, 22, 10539-10547.	1.7	26
130	Model-free extraction of spin label position distributions from pseudocontact shift data. Chemical Science, 2017, 8, 2751-2757.	3.7	26
131	Orthogonal Tyrosine and Cysteine Site-Directed Spin Labeling for Dipolar Pulse EPR Spectroscopy on Proteins. Journal of Physical Chemistry Letters, 2017, 8, 4852-4857.	2.1	26
132	Shape Persistence of Polyprolineâ€…II Helical Oligoprolines. Chemistry - A European Journal, 2015, 21, 10747-10753.	1.7	25
133	Chiral recognition in amyloid fiber growth. Journal of Peptide Science, 2016, 22, 290-304.	0.8	25
134	CIDME: Short distances measured with long chirp pulses. Journal of Magnetic Resonance, 2016, 273, 73-82.	1.2	25
135	Timeâ€domain chirp electron nuclear double resonance spectroscopy in one and two dimensions. Journal of Chemical Physics, 1995, 103, 8329-8337.	1.2	24
136	Microwave-Hydrothermal Synthesis of Nanostructured Zinc-Copper Gallates. European Journal of Inorganic Chemistry, 2010, 2010, 2036-2043.	1.0	24
137	Interaction of triarylmethyl radicals with DNA termini revealed by orientation-selective W-band double electronâ€“electron resonance spectroscopy. Physical Chemistry Chemical Physics, 2016, 18, 29549-29554.	1.3	24
138	Tailored Polarizing Hybrid Solids with Nitroxide Radicals Localized in Mesostructured Silica Walls. Helvetica Chimica Acta, 2017, 100, e1700101.	1.0	24
139	Single Crystal Electron Paramagnetic Resonance of Dimethylammonium and Ammonium Hybrid Formate Frameworks: Influence of External Electric Field. Journal of Physical Chemistry C, 2017, 121, 16533-16540.	1.5	24
140	Pyridyl Radical Cation for Câ^'H Amination of Arenes. Angewandte Chemie, 2019, 131, 536-541.	1.6	24
141	<scp>MMM</scp>: Integrative ensemble modeling and ensemble analysis. Protein Science, 2021, 30, 125-135.	3.1	24
142	A Robust and Efficient Propane Dehydrogenation Catalyst from Unexpectedly Segregated Pt₂Mn Nanoparticles. Journal of the American Chemical Society, 2022, 144, 13384-13393.	6.6	24
143	Structural biology of RNA-binding proteins in the context of phase separation: What NMR and EPR can bring?. Current Opinion in Structural Biology, 2021, 70, 132-138.	2.6	23
144	Reversible peptide particle formation using a mini amino acid sequence. Soft Matter, 2010, 6, 5596.	1.2	22

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145	Interpretation of Dipolar EPR Data in Terms of Protein Structure. Structure and Bonding, 2011, , 83-120.	1.0	22
146	One to Find Them All: A General Route to Ni(I)â€“Phenolate Species. Journal of the American Chemical Society, 2021, 143, 10642-10648.	6.6	22
147	Pyridinium salts and ylides as partial structures of photoresponsive Merrifield resins. Journal of Materials Chemistry, 2010, 20, 3025.	6.7	21
148	Theory of Solid-State Photo-CIDNP in the Earth's Magnetic Field. Journal of Physical Chemistry A, 2011, 115, 9919-9928.	1.1	21
149	The Solid-State Photo-CIDNP Effect and Its Analytical Application. Topics in Current Chemistry, 2012, 338, 105-121.	4.0	21
150	A comparative study of structures and structural transitions of secondary transporters with the LeuT fold. European Biophysics Journal, 2013, 42, 181-197.	1.2	21
151	The Influence of Zeolites on Radical Formation During Lignin Pyrolysis. ChemSusChem, 2016, 9, 2397-2403.	3.6	21
152	Rotamer Modelling of Cu(II) Spin Labels Based on the Double-Histidine Motif. Applied Magnetic Resonance, 2018, 49, 1281-1298.	0.6	21
153	Resolving distance variations by single-molecule FRET and EPR spectroscopy using rotamer libraries. Biophysical Journal, 2021, 120, 4842-4858.	0.2	21
154	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.	1.3	20
155	Site-Specific Information on Membrane Protein Folding by Electron Spin Echo Envelope Modulation Spectroscopy. Journal of Physical Chemistry Letters, 2010, 1, 663-667.	2.1	20
156	Water accessibility in a membrane-inserting peptide comparing Overhauser DNP and pulse EPR methods. Journal of Chemical Physics, 2016, 144, 194201.	1.2	20
157	Double electronâ€“electron resonance with multiple non-selective chirp refocusing. Physical Chemistry Chemical Physics, 2017, 19, 1039-1053.	1.3	20
158	Pulse EPR and ENDOR Study of Manganese Doped [(CH₃)₂NH₂][Zn(HCOO)₃] Hybrid Perovskite Framework. Journal of Physical Chemistry C, 2017, 121, 27225-27232.	1.5	20
159	Structural basis and mechanism for metallochaperone-assisted assembly of the Cu _A center in cytochrome oxidase. Science Advances, 2019, 5, eaaw8478.	4.7	20
160	ELDOR-detected NMR beyond hyperfine couplings: a case study with Cu(<scp>ii</scp>)-porphyrin dimers. Physical Chemistry Chemical Physics, 2019, 21, 11676-11688.	1.3	20
161	Trityl Radicals with a Combination of the Orthogonal Functional Groups Ethyne and Carboxyl: Synthesis without a Statistical Step and EPR Characterization. Journal of Organic Chemistry, 2019, 84, 3304-3320.	1.7	20
162	Distance determination between low-spin ferric haem and nitroxide spin label using DEER: the neuroglobin case. Molecular Physics, 2013, 111, 2855-2864.	0.8	19

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163	Extracellular Loop 4 of the Proline Transporter PutP Controls the Periplasmic Entrance to Ligand Binding Sites. Structure, 2014, 22, 769-780.	1.6	19
164	Radical exchange reaction of multi-spin isoindoline nitroxides followed by EPR spectroscopy. RSC Advances, 2016, 6, 55715-55719.	1.7	19
165	A sensitivity leap for X-band EPR using a probehead with a cryogenic preamplifier. Journal of Magnetic Resonance, 2021, 322, 106876.	1.2	19
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