

Gunnar Jeschke

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238
papers

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54
h-index

100
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263
ext. papers

13,180
ext. citations

6.5
avg, IF

6.95
L-index

#	Paper	IF	Citations
238	Dead-time free measurement of dipole-dipole interactions between electron spins. <i>Journal of Magnetic Resonance</i> , 2000 , 142, 331-40	3	808
237	DeerAnalysis2006: comprehensive software package for analyzing pulsed ELDOR data. <i>Applied Magnetic Resonance</i> , 2006 , 30, 473-498	0.8	803
236	DEER distance measurements on proteins. <i>Annual Review of Physical Chemistry</i> , 2012 , 63, 419-46	15.7	704
235	Distance measurements on spin-labelled biomacromolecules by pulsed electron paramagnetic resonance. <i>Physical Chemistry Chemical Physics</i> , 2007 , 9, 1895-910	3.6	490
234	Rotamer libraries of spin labelled cysteines for protein studies. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 2356-66	3.6	334
233	Large molecular weight nitroxide biradicals providing efficient dynamic nuclear polarization at temperatures up to 200 K. <i>Journal of the American Chemical Society</i> , 2013 , 135, 12790-7	16.4	284
232	Distance measurements in the nanometer range by pulse EPR. <i>ChemPhysChem</i> , 2002 , 3, 927-32	3.2	247
231	Direct conversion of EPR dipolar time evolution data to distance distributions. <i>Journal of Magnetic Resonance</i> , 2002 , 155, 72-82	3	202
230	Data analysis procedures for pulse ELDOR measurements of broad distance distributions. <i>Applied Magnetic Resonance</i> , 2004 , 26, 223-244	0.8	163
229	Determination of the Nanostructure of Polymer Materials by Electron Paramagnetic Resonance Spectroscopy. <i>Macromolecular Rapid Communications</i> , 2002 , 23, 227-246	4.8	161
228	Structural model of active Bax at the membrane. <i>Molecular Cell</i> , 2014 , 56, 496-505	17.6	155
227	High sensitivity and versatility of the DEER experiment on nitroxide radical pairs at Q-band frequencies. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 10762-73	3.6	148
226	Dark Photocatalysis: Storage of Solar Energy in Carbon Nitride for Time-Delayed Hydrogen Generation. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 510-514	16.4	143
225	Structural basis of the non-coding RNA RsmZ acting as a protein sponge. <i>Nature</i> , 2014 , 509, 588-92	50.4	143
224	Dipolar spectroscopy and spin alignment in electron paramagnetic resonance. <i>Chemical Physics Letters</i> , 2000 , 331, 243-252	2.5	142
223	Sensitivity enhancement in pulse EPR distance measurements. <i>Journal of Magnetic Resonance</i> , 2004 , 169, 1-12	3	128
222	Distance measurements in the borderline region of applicability of CW EPR and DEER: a model study on a homologous series of spin-labelled peptides. <i>Journal of Magnetic Resonance</i> , 2008 , 191, 202-18	3	127

221	Spin pair geometry revealed by high-field DEER in the presence of conformational distributions. <i>Journal of Magnetic Resonance</i> , 2007 , 185, 118-29	3	126
220	Gd(III)-PyMTA label is suitable for in-cell EPR. <i>Journal of the American Chemical Society</i> , 2014 , 136, 15366-15374	17.4	124
219	Assessing oligomerization of membrane proteins by four-pulse DEER: pH-dependent dimerization of NhaA Na ⁺ /H ⁺ antiporter of E. coli. <i>Biophysical Journal</i> , 2005 , 89, 1328-38	2.9	121
218	Rational design of dinitroxide biradicals for efficient cross-effect dynamic nuclear polarization. <i>Chemical Science</i> , 2016 , 7, 550-558	9.4	117
217	How flexible are poly(para-phenyleneethynylene)s?. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 7560-4	16.4	116
216	Three-spin correlations in double electron-electron resonance. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 6580-91	3.6	113
215	Conformational dynamics and distribution of nitroxide spin labels. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2013 , 72, 42-60	10.4	111
214	Adiabatic and fast passage ultra-wideband inversion in pulsed EPR. <i>Journal of Magnetic Resonance</i> , 2013 , 230, 27-39	3	99
213	Selective measurements of a nitroxide-nitroxide separation of 5 nm and a nitroxide-copper separation of 2.5 nm in a terpyridine-based copper(II) complex by pulse EPR spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 3907-10	16.4	95
212	Double Electron-Electron Resonance Measured Between Gd ³⁺ Ions and Nitroxide Radicals. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 604-609	6.4	94
211	Flexibility of shape-persistent molecular building blocks composed of p-phenylene and ethynylene units. <i>Journal of the American Chemical Society</i> , 2010 , 132, 10107-17	16.4	94
210	High-resolution structure of a Na ⁺ /H ⁺ antiporter dimer obtained by pulsed electron paramagnetic resonance distance measurements. <i>Biophysical Journal</i> , 2007 , 93, 3675-83	2.9	90
209	Radical Trifluoromethoxylation of Arenes Triggered by a Visible-Light-Mediated N-O Bond Redox Fragmentation. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 13784-13789	16.4	88
208	Solution structure of discoidal high-density lipoprotein particles with a shortened apolipoprotein A-I. <i>Nature Structural and Molecular Biology</i> , 2017 , 24, 187-193	17.6	85
207	Orthogonal spin labeling and Gd(III)-nitroxide distance measurements on bacteriophage T4-lysozyme. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 3145-53	3.4	84
206	Lateral diffusion of thiol ligands on the surface of au nanoparticles: an electron paramagnetic resonance study. <i>Analytical Chemistry</i> , 2008 , 80, 95-106	7.8	84
205	EPR-aided approach for solution structure determination of large RNAs or protein-RNA complexes. <i>Nature Communications</i> , 2014 , 5, 3669	17.4	83
204	MMM: A toolbox for integrative structure modeling. <i>Protein Science</i> , 2018 , 27, 76-85	6.3	82

203	Distance measurements in Au nanoparticles functionalized with nitroxide radicals and Gd(3+)-DTPA chelate complexes. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 10732-46	3.6	77
202	A reassessment of the origin of photochemically induced dynamic nuclear polarization effects in solids. <i>Chemical Physics</i> , 2003 , 294, 239-255	2.3	77
201	Gd(III)-Gd(III) distance measurements with chirp pump pulses. <i>Journal of Magnetic Resonance</i> , 2015 , 259, 153-62	3	76
200	Capture and characterization of a reactive haem-barbenoid complex in an artificial metalloenzyme. <i>Nature Catalysis</i> , 2018 , 1, 578-584	36.5	71
199	Refolding of the integral membrane protein light-harvesting complex II monitored by pulse EPR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 18485-90	11.5	70
198	Distance Measurement on an Endogenous Membrane Transporter in E. coli Cells and Native Membranes Using EPR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6196-9	16.4	68
197	Suppression of ghost distances in multiple-spin double electron-electron resonance. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 5854-66	3.6	68
196	Deep neural network processing of DEER data. <i>Science Advances</i> , 2018 , 4, eaat5218	14.3	67
195	RIDME Spectroscopy with Gd(III) Centers. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 3970-5	6.4	67
194	Sensitivity Enhancement by Matched Microwave Pulses in One- and Two-Dimensional Electron Spin Echo Envelope Modulation Spectroscopy. <i>Journal of Magnetic Resonance</i> , 1998 , 131, 261-71	3	67
193	Electron-Electron-Nuclear three-spin mixing in spin-correlated radical pairs. <i>Journal of Chemical Physics</i> , 1997 , 106, 10072-10086	3.9	65
192	Magnetic field dependence of photo-CIDNP MAS NMR on photosynthetic reaction centers of Rhodospirillum rubrum. <i>Journal of the American Chemical Society</i> , 2005 , 127, 14290-8	16.4	65
191	BDPA-Nitroxide Biradicals Tailored for Efficient Dynamic Nuclear Polarization Enhanced Solid-State NMR at Magnetic Fields up to 21.1 T. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13340-13349	16.4	64
190	EPR probes with well-defined, long distances between two or three unpaired electrons. <i>Journal of Organic Chemistry</i> , 2000 , 65, 7575-82	4.2	62
189	Pulsed EPR determination of water accessibility to spin-labeled amino acid residues in LHCIIb. <i>Biophysical Journal</i> , 2009 , 96, 1124-41	2.9	60
188	A New Mechanism for Chemically Induced Dynamic Nuclear Polarization in the Solid State. <i>Journal of the American Chemical Society</i> , 1998 , 120, 4425-4429	16.4	60
187	The contribution of modern EPR to structural biology. <i>Emerging Topics in Life Sciences</i> , 2018 , 2, 9-18	3.5	58
186	¹⁵ N photochemically induced dynamic nuclear polarization magic-angle spinning NMR analysis of the electron donor of photosystem II. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 12767-71	11.5	56

185	Fourier-transform electron spin resonance with bandwidth-compensated chirp pulses. <i>Journal of Magnetic Resonance</i> , 2014 , 246, 18-26	3	55
184	Distance measurements on orthogonally spin-labeled membrane spanning WALP23 polypeptides. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 2061-8	3.4	54
183	Pyridyl Radical Cation for C-H Amination of Arenes. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 526-531	16.4	53
182	Photo-CIDNP MAS NMR in intact cells of <i>Rhodobacter sphaeroides</i> R26: molecular and atomic resolution at nanomolar concentration. <i>Journal of the American Chemical Society</i> , 2006 , 128, 12794-9	16.4	52
181	Photochemically induced dynamic nuclear polarization in photosystem I of plants observed by ¹³ C magic-angle spinning NMR. <i>Journal of the American Chemical Society</i> , 2004 , 126, 12819-26	16.4	52
180	Sensitivity enhancement by population transfer in Gd(III) spin labels. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 7334-44	3.6	50
179	Conformational cycle of the vitamin B12 ABC importer in liposomes detected by double electron-electron resonance (DEER). <i>Journal of Biological Chemistry</i> , 2014 , 289, 3176-85	5.4	50
178	Determination of Ion Cluster Sizes and Cluster-to-Cluster Distances in Ionomers by Four-Pulse Double Electron Electron Resonance Spectroscopy. <i>Macromolecules</i> , 2000 , 33, 7812-7818	5.5	49
177	Local Structures and Heterogeneity of Silica-Supported M(III) Sites Evidenced by EPR, IR, NMR, and Luminescence Spectroscopies. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8855-8867	16.4	46
176	Dead-time free measurement of dipole-dipole interactions between electron spins. 2000. <i>Journal of Magnetic Resonance</i> , 2011 , 213, 316-25	3	46
175	Solid-phase polarization matrixes for dynamic nuclear polarization from homogeneously distributed radicals in mesostructured hybrid silica materials. <i>Journal of the American Chemical Society</i> , 2013 , 135, 15459-66	16.4	45
174	How Flexible Are Poly(para-phenyleneethynylene)s?. <i>Angewandte Chemie</i> , 2006 , 118, 7722-7726	3.6	45
173	Room-temperature synthesis of FeBTC from layered iron hydroxides: the influence of precursor organisation. <i>CrystEngComm</i> , 2013 , 15, 9885	3.3	44
172	Electron spin density distribution in the special pair triplet of <i>Rhodobacter sphaeroides</i> R26 revealed by magnetic field dependence of the solid-state photo-CIDNP effect. <i>Journal of the American Chemical Society</i> , 2012 , 134, 5921-30	16.4	40
171	Prediction of favourable sites for spin labelling of proteins. <i>Spectroscopy</i> , 2010 , 24, 651-659		38
170	Solid-state NMR and EPR Spectroscopy of Mn -Substituted ATP-Fueled Protein Engines. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 3369-3373	16.4	37
169	Copper is a Cofactor of the Formylglycine-Generating Enzyme. <i>ChemBioChem</i> , 2017 , 18, 161-165	3.8	37
168	Orientation selective DEER measurements on vinculin tail at X-band frequencies reveal spin label orientations. <i>Journal of Magnetic Resonance</i> , 2012 , 216, 53-61	3	36

167	Backbone structure of transmembrane domain IX of the Na ⁺ /proline transporter PutP of <i>Escherichia coli</i> . <i>Biophysical Journal</i> , 2009 , 96, 217-25	2.9	36
166	Wideband frequency-swept excitation in pulsed EPR spectroscopy. <i>Journal of Magnetic Resonance</i> , 2017 , 280, 46-62	3	35
165	Cryogenic 35GHz pulse ENDOR probehead accommodating large sample sizes: Performance and applications. <i>Journal of Magnetic Resonance</i> , 2009 , 200, 81-7	3	35
164	Combining NMR and EPR to Determine Structures of Large RNAs and Protein-RNA Complexes in Solution. <i>Methods in Enzymology</i> , 2015 , 558, 279-331	1.7	34
163	Radikalische Trifluormethoxylierung aromatischer Verbindungen durch photochemische N-O-Bindungsaktivierung. <i>Angewandte Chemie</i> , 2018 , 130, 13980-13985	3.6	33
162	EPR characterization of Mn(ii) complexes for distance determination with pulsed dipolar spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 25120-25135	3.6	32
161	Liquid state DNP for water accessibility measurements on spin-labeled membrane proteins at physiological temperatures. <i>Journal of Magnetic Resonance</i> , 2012 , 222, 34-43	3	32
160	Rigid core and flexible terminus: structure of solubilized light-harvesting chlorophyll a/b complex (LHCII) measured by EPR. <i>Journal of Biological Chemistry</i> , 2012 , 287, 2915-25	5.4	32
159	Relaxation-based distance measurements between a nitroxide and a lanthanide spin label. <i>Journal of Magnetic Resonance</i> , 2008 , 194, 254-63	3	32
158	Laser-Induced Magnetic Dipole Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 2204-9	6.4	32
157	Highly Efficient UV Protection of the Biomaterial Wood by A Transparent TiO/Ce Xerogel. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 39040-39047	9.5	31
156	Combination of X-ray crystallography, SAXS and DEER to obtain the structure of the FnIII-3,4 domains of integrin $\beta 4$. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015 , 71, 969-85		31
155	Coherence Transfer by Passage Pulses in Electron Paramagnetic Resonance Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 13570-82	3.4	31
154	Isotope selection in distance measurements between nitroxides. <i>Journal of Magnetic Resonance</i> , 2006 , 180, 137-46	3	31
153	Matched two-pulse electron spin echo envelope modulation spectroscopy. <i>Journal of Chemical Physics</i> , 1996 , 105, 2199-2211	3.9	31
152	Hyperfine-correlated electron nuclear double resonance spectroscopy. <i>Chemical Physics Letters</i> , 1995 , 246, 431-438	2.5	31
151	Complementary-addressed site-directed spin labeling of long natural RNAs. <i>Nucleic Acids Research</i> , 2016 , 44, 7935-43	20.1	31
150	Computing distance distributions from dipolar evolution data with overtones: RIDME spectroscopy with Gd(iii)-based spin labels. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 17856-17876	3.6	30

149	Dark Photocatalysis: Storage of Solar Energy in Carbon Nitride for Time-Delayed Hydrogen Generation. <i>Angewandte Chemie</i> , 2017 , 129, 525-529	3.6	30
148	Structural basis of siRNA recognition by TRBP double-stranded RNA binding domains. <i>EMBO Journal</i> , 2018 , 37,	13	30
147	Hyperfine decoupling in electron spin resonance. <i>Journal of Chemical Physics</i> , 1997 , 106, 9979-9991	3.9	30
146	NMR-correlated high-field electron paramagnetic resonance spectroscopy. <i>Chemical Physics Letters</i> , 1998 , 293, 9-18	2.5	30
145	Characterization of the primary radical pair in reaction centers of <i>Heliobacillus mobilis</i> by ¹³ C photo-CIDNP MAS NMR. <i>Biochemistry</i> , 2008 , 47, 4629-35	3.2	30
144	DeerLab: a comprehensive software package for analyzing dipolar electron paramagnetic resonance spectroscopy data. <i>Magnetic Resonance</i> , 2020 , 1, 209-224	2.9	29
143	EPR-correlated dipolar spectroscopy by Q-band chirp SIFTER. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 23111-20	3.6	28
142	Conformationally unambiguous spin labeling for distance measurements. <i>Chemistry - A European Journal</i> , 2009 , 15, 12960-2	4.8	28
141	Signals in solid-state photochemically induced dynamic nuclear polarization recover faster than signals obtained with the longitudinal relaxation time. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 10606-14	3.4	28
140	Benchmark Test and Guidelines for DEER/PELDOR Experiments on Nitroxide-Labeled Biomolecules. <i>Journal of the American Chemical Society</i> , 2021 , 143, 17875-17890	16.4	28
139	Copper ESEEM and HYSCORE through ultra-wideband chirp EPR spectroscopy. <i>Journal of Chemical Physics</i> , 2015 , 143, 044201	3.9	27
138	Improving the accuracy of Cu(ii)-nitroxide RIDME in the presence of orientation correlation in water-soluble Cu(ii)-nitroxide rulers. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 9810-9830	3.6	27
137	Role of the nucleotidyl cyclase helical domain in catalytically active dimer formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E9821-E9828	11.5	27
136	Dendritic polarizing agents for DNP SENS. <i>Chemical Science</i> , 2017 , 8, 416-422	9.4	27
135	Probing How Counterion Structure and Dynamics Determine Polyelectrolyte Solutions Using EPR Spectroscopy. <i>Applied Magnetic Resonance</i> , 2010 , 37, 657-683	0.8	27
134	Direct evidence for a hydrogen bond to bound dioxygen in a myoglobin/hemoglobin model system and in cobalt myoglobin by pulse-EPR spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 2600-3	16.4	27
133	Coherent superposition of dressed spin states and pulse dressed electron spin resonance. <i>Chemical Physics Letters</i> , 1999 , 301, 524-530	2.5	27
132	Level crossing analysis of chemically induced dynamic nuclear polarization: Towards a common description of liquid-state and solid-state cases. <i>Journal of Chemical Physics</i> , 2016 , 144, 144202	3.9	27

131	Co-conformational distribution of nanosized [2]catenanes determined by pulse EPR measurements. <i>ChemPhysChem</i> , 2003 , 4, 1328-34	3.2	26
130	Dipolar Spectroscopy [Double-Resonance Methods 2016 , 1459-1476		25
129	Model-free extraction of spin label position distributions from pseudocontact shift data. <i>Chemical Science</i> , 2017 , 8, 2751-2757	9.4	24
128	Quantitative analysis of zero-field splitting parameter distributions in Gd(iii) complexes. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 10470-10492	3.6	24
127	Synthetic Diversity from a Versatile and Radical Nitrating Reagent. <i>Chemistry - A European Journal</i> , 2019 , 25, 12929-12939	4.8	24
126	Shape Persistence of Polyproline II Helical Oligoprolines. <i>Chemistry - A European Journal</i> , 2015 , 21, 10747-10753	4.53	24
125	Photochemically induced dynamic nuclear polarization in the reaction center of the green sulphur bacterium <i>Chlorobium tepidum</i> observed by ¹³ C MAS NMR. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2007 , 1767, 610-5	4.6	24
124	Artefact suppression in 5-pulse double electron electron resonance for distance distribution measurements. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 15766-15779	3.6	23
123	Distance Measurement on an Endogenous Membrane Transporter in E. coli Cells and Native Membranes Using EPR Spectroscopy. <i>Angewandte Chemie</i> , 2015 , 127, 6294-6297	3.6	23
122	Ensemble models of proteins and protein domains based on distance distribution restraints. <i>Proteins: Structure, Function and Bioinformatics</i> , 2016 , 84, 544-60	4.2	23
121	Dynamical decoupling of nitroxides in o-terphenyl: a study of temperature, deuteration and concentration effects. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 1615-1628	3.6	23
120	CIDME: Short distances measured with long chirp pulses. <i>Journal of Magnetic Resonance</i> , 2016 , 273, 73-83	3.3	22
119	Time-domain chirp electron nuclear double resonance spectroscopy in one and two dimensions. <i>Journal of Chemical Physics</i> , 1995 , 103, 8329-8337	3.9	22
118	Averaging of nuclear modulation artefacts in RIDME experiments. <i>Journal of Magnetic Resonance</i> , 2016 , 272, 108-113	3	22
117	Orthogonal Tyrosine and Cysteine Site-Directed Spin Labeling for Dipolar Pulse EPR Spectroscopy on Proteins. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 4852-4857	6.4	21
116	Microwave-Hydrothermal Synthesis of Nanostructured Zinc-Copper Gallates. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 2036-2043	2.3	21
115	Spin labelling for integrative structure modelling: a case study of the polypyrimidine-tract binding protein 1 domains in complexes with short RNAs. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 28360-28380	3.6	20
114	Intermolecular background decay in RIDME experiments. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 8228-8245	3.6	20

113	Comparison of Free Radical Levels in the Aerosol from Conventional Cigarettes, Electronic Cigarettes, and Heat-Not-Burn Tobacco Products. <i>Chemical Research in Toxicology</i> , 2019 , 32, 1289-1298	4	20
112	UWB DEER and RIDME distance measurements in Cu(II)-Cu(II) spin pairs. <i>Journal of Magnetic Resonance</i> , 2019 , 308, 106560	3	20
111	A comparative study of structures and structural transitions of secondary transporters with the LeuT fold. <i>European Biophysics Journal</i> , 2013 , 42, 181-97	1.9	20
110	Theory of solid-state photo-CIDNP in the earth's magnetic field. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 9919-28	2.8	20
109	Reversible peptide particle formation using a mini amino acid sequence. <i>Soft Matter</i> , 2010 , 6, 5596	3.6	20
108	Distance measurements between paramagnetic centers and a planar object by matrix Mims electron nuclear double resonance. <i>Journal of Chemical Physics</i> , 2005 , 122, 024515	3.9	20
107	Chiral recognition in amyloid fiber growth. <i>Journal of Peptide Science</i> , 2016 , 22, 290-304	2.1	20
106	Interaction of triarylmethyl radicals with DNA termini revealed by orientation-selective W-band double electron-electron resonance spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 29549-29554	3.6	20
105	Design and Synthesis of Aviram-Ratner-Type Dyads and Rectification Studies in Langmuir-Blodgett (LB) Films. <i>Chemistry - A European Journal</i> , 2016 , 22, 10539-47	4.8	19
104	Single Crystal Electron Paramagnetic Resonance of Dimethylammonium and Ammonium Hybrid Formate Frameworks: Influence of External Electric Field. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 16533-16540	3.8	19
103	Distance determination between low-spin ferric haem and nitroxide spin label using DEER: the neuroglobin case. <i>Molecular Physics</i> , 2013 , 111, 2855-2864	1.7	18
102	Interpretation of Dipolar EPR Data in Terms of Protein Structure. <i>Structure and Bonding</i> , 2011 , 83-120	0.9	18
101	Site-Specific Information on Membrane Protein Folding by Electron Spin Echo Envelope Modulation Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 663-667	6.4	18
100	Structure and dynamics of copper complexes with 2,2':6',2''-terpyridines in glassy matrices. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 3959-3967	3.6	18
99	Open and Closed Radicals: Local Geometry around Unpaired Electrons Governs Magic-Angle Spinning Dynamic Nuclear Polarization Performance. <i>Journal of the American Chemical Society</i> , 2020 , 142, 16587-16599	16.4	18
98	Water accessibility in a membrane-inserting peptide comparing Overhauser DNP and pulse EPR methods. <i>Journal of Chemical Physics</i> , 2016 , 144, 194201	3.9	18
97	Trityl Radicals with a Combination of the Orthogonal Functional Groups Ethyne and Carboxyl: Synthesis without a Statistical Step and EPR Characterization. <i>Journal of Organic Chemistry</i> , 2019 , 84, 3304-3320	4.2	18
96	Double electron-electron resonance with multiple non-selective chirp refocusing. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 1039-1053	3.6	17

95	A Factor Two Improvement in High-Field Dynamic Nuclear Polarization from Gd(III) Complexes by Design. <i>Journal of the American Chemical Society</i> , 2019 , 141, 8746-8751	16.4	17
94	-Diethyl Pyrroline Nitroxide Spin Labels: Synthesis, EPR Characterization, Rotamer Libraries and Biocompatibility. <i>ChemistryOpen</i> , 2019 , 8, 1057-1065	2.3	17
93	Extracellular loop 4 of the proline transporter PutP controls the periplasmic entrance to ligand binding sites. <i>Structure</i> , 2014 , 22, 769-80	5.2	17
92	Pulsed triple electron resonance (TRIER) for dipolar correlation spectroscopy. <i>Journal of Magnetic Resonance</i> , 2017 , 282, 119-128	3	17
91	Characterization of Protein Conformational Changes with Sparse Spin-Label Distance Constraints. <i>Journal of Chemical Theory and Computation</i> , 2012 , 8, 3854-63	6.4	17
90	EPR relaxation-enhancement-based distance measurements on orthogonally spin-labeled T4-lysozyme. <i>ChemBioChem</i> , 2013 , 14, 1883-90	3.8	17
89	The solid-state photo-CIDNP effect and its analytical application : photo-CIDNP MAS NMR to study radical pairs. <i>Topics in Current Chemistry</i> , 2013 , 338, 105-21		17
88	NMR and EPR reveal a compaction of the RNA-binding protein FUS upon droplet formation. <i>Nature Chemical Biology</i> , 2021 , 17, 608-614	11.7	16
87	Modeling of the N-terminal Section and the Lumenal Loop of Trimeric Light Harvesting Complex II (LHCII) by Using EPR. <i>Journal of Biological Chemistry</i> , 2015 , 290, 26007-20	5.4	15
86	Pulse EPR and ENDOR Study of Manganese Doped [(CH ₃) ₂ NH ₂][Zn(HCOO) ₃] Hybrid Perovskite Framework. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 27225-27232	3.8	15
85	Multi-frequency (S, X, Q and W-band) EPR and ENDOR Study of Vanadium(IV) Incorporation in the Aluminium Metal-Organic Framework MIL-53. <i>ChemPhysChem</i> , 2015 , 16, 2968-73	3.2	15
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