

Gunnar Jeschke

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

238
papers

11,564
citations

54
h-index

100
g-index

263
ext. papers

13,180
ext. citations

6.5
avg, IF

6.95
L-index

#	Paper	IF	Citations
238	Redispersion strategy for high-loading carbon-supported metal catalysts with controlled nuclearity.. <i>Journal of Materials Chemistry A</i> , 2022 , 10, 5953-5961	13	1
237	Ultrahigh nitrogen-vacancy center concentration in diamond. <i>Carbon</i> , 2022 , 188, 393-400	10.4	1
236	Rotational Coupling in Methyl-Tunneling Electron Spin Echo Envelope Modulation.. <i>Applied Magnetic Resonance</i> , 2022 , 53, 635-651	0.8	0
235	Integrative ensemble modeling of proteins and their complexes with distance distribution restraints.. <i>Methods in Enzymology</i> , 2022 , 666, 145-169	1.7	1
234	Compactness regularization in the analysis of dipolar EPR spectroscopy data.. <i>Journal of Magnetic Resonance</i> , 2022 , 339, 107218	3	0
233	Neural networks in pulsed dipolar spectroscopy: A practical guide.. <i>Journal of Magnetic Resonance</i> , 2022 , 338, 107186	3	3
232	Efficient Dynamic Nuclear Polarization up to 230 K with Hybrid BDPA-Nitroxide Radicals at a High Magnetic Field. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 13329-13338	3.4	1
231	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
230	Structural insights into β -synuclein monomer-fibril interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	13
229	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
228	Stringent Primer Termination by an Archaeo-Eukaryotic DNA Primase. <i>Frontiers in Microbiology</i> , 2021 , 12, 652928	5.7	1
227	Characterization of Weak Protein Domain Structure by Spin-Label Distance Distributions. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 636599	5.6	2
226	Gradual opening of Smc arms in prokaryotic condensin. <i>Cell Reports</i> , 2021 , 35, 109051	10.6	2
225	Spectroscopic Signature and Structure of the Active Sites in Ziegler-Natta Polymerization Catalysts Revealed by Electron Paramagnetic Resonance. <i>Journal of the American Chemical Society</i> , 2021 , 143, 9791-9797	16.4	7
224	Identification of Kinetic and Spectroscopic Signatures of Copper Sites for Direct Oxidation of Methane to Methanol. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 15944-15953	16.4	11
223	Identification of Kinetic and Spectroscopic Signatures of Copper Sites for Direct Oxidation of Methane to Methanol. <i>Angewandte Chemie</i> , 2021 , 133, 16080-16089	3.6	
222	One to Find Them All: A General Route to Ni(I)-Phenolate Species. <i>Journal of the American Chemical Society</i> , 2021 , 143, 10642-10648	16.4	2

221	Quantification of Redox Sites during Catalytic Propane Oxychlorination by Operando EPR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3596-3602	16.4	8
220	MMM: Integrative ensemble modeling and ensemble analysis. <i>Protein Science</i> , 2021 , 30, 125-135	6.3	6
219	A sensitivity leap for X-band EPR using a probehead with a cryogenic preamplifier. <i>Journal of Magnetic Resonance</i> , 2021 , 322, 106876	3	5
218	Quantification of Redox Sites during Catalytic Propane Oxychlorination by Operando EPR Spectroscopy. <i>Angewandte Chemie</i> , 2021 , 133, 3640-3646	3.6	1
217	Innentitelbild: Quantification of Redox Sites during Catalytic Propane Oxychlorination by Operando EPR Spectroscopy (Angew. Chem. 7/2021). <i>Angewandte Chemie</i> , 2021 , 133, 3354-3354	3.6	
216	Regularized dynamical decoupling noise spectroscopy - a decoherence descriptor for radicals in glassy matrices. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 21664-21676	3.6	1
215	Reconstruction of Coupled Intra- and Interdomain Protein Motion from Nuclear and Electron Magnetic Resonance. <i>Journal of the American Chemical Society</i> , 2021 , 143, 16055-16067	16.4	0
214	Spectroscopic glimpses of the transition state of ATP hydrolysis trapped in a bacterial DnaB helicase. <i>Nature Communications</i> , 2021 , 12, 5293	17.4	2
213	Resolving distance variations by single-molecule FRET and EPR spectroscopy using rotamer libraries. <i>Biophysical Journal</i> , 2021 , 120, 4842-4858	2.9	3
212	Radical Trifluoroacetylation of Alkenes Triggered by a Visible-Light-Promoted C-O Bond Fragmentation of Trifluoroacetic Anhydride. <i>Angewandte Chemie</i> , 2021 , 133, 22661-22669	3.6	0
211	Radical Trifluoroacetylation of Alkenes Triggered by a Visible-Light-Promoted C-O Bond Fragmentation of Trifluoroacetic Anhydride. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 22487-22495	16.4	7
210	Structural biology of RNA-binding proteins in the context of phase separation: What NMR and EPR can bring?. <i>Current Opinion in Structural Biology</i> , 2021 , 70, 132-138	8.1	6
209	Dynamical decoupling in water-glycerol glasses: a comparison of nitroxides, trityl radicals and gadolinium complexes. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 5352-5369	3.6	4
208	Magnetic excitation and readout of methyl group tunnel coherence. <i>Science Advances</i> , 2020 , 6, eaba1517	14.3	7
207	Reactivity of Diarylnitrenium Ions. <i>Chemistry - A European Journal</i> , 2020 , 26, 8871-8874	4.8	2
206	Supramolecular Approach to Electron Paramagnetic Resonance Distance Measurement of Spin-Labeled Proteins. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 3291-3299	3.4	1
205	DeerLab: a comprehensive software package for analyzing dipolar electron paramagnetic resonance spectroscopy data. <i>Magnetic Resonance</i> , 2020 , 1, 209-224	2.9	29
204	Distance measurement between trityl radicals by pulse dressed electron paramagnetic resonance with phase modulation. <i>Magnetic Resonance</i> , 2020 , 1, 75-87	2.9	5

203	Optimal background treatment in dipolar spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 1855-1868	3.6	11
202	Modulating Effect of Ligand Charge on the Electronic Properties of 2Ni-2S Structures and Implications for Biological 2M-2S Sites. <i>Inorganic Chemistry</i> , 2020 , 59, 17234-17243	5.1	
201	Accessing distributions of exchange and dipolar couplings in stiff molecular rulers with Cu(II) centres. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 21707-21730	3.6	4
200	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
199	Molecular and supported Ti(III)-alkyls: efficient ethylene polymerization driven by the character of metal-carbon bonds and back donation from a singly occupied molecular orbital. <i>Chemical Science</i> , 2020 , 12, 780-792	9.4	9
198	Structural basis and mechanism for metallochaperone-assisted assembly of the Cu center in cytochrome oxidase. <i>Science Advances</i> , 2019 , 5, eaaw8478	14.3	13
197	Non-uniform HYSORE: Measurement, processing and analysis with Hyscorean. <i>Journal of Magnetic Resonance</i> , 2019 , 307, 106576	3	5
196	Pulsed EPR Methods to Study Biomolecular Interactions. <i>Chimia</i> , 2019 , 73, 268-276	1.3	5
195	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
194	ELDOR-detected NMR beyond hyperfine couplings: a case study with Cu(II)-porphyrin dimers. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 11676-11688	3.6	7
193	-Diethyl Pyrroline Nitroxide Spin Labels: Synthesis, EPR Characterization, Rotamer Libraries and Biocompatibility. <i>ChemistryOpen</i> , 2019 , 8, 1057-1065	2.3	17
192	Intermolecular background decay in RIDME experiments. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 8228-8245	3.6	20
191	Magnetic field and orientation dependence of solid-state CIDNP. <i>Journal of Chemical Physics</i> , 2019 , 150, 094105	3.9	7
190	Comparison of the functional properties of trimeric and monomeric CaiT of Escherichia coli. <i>Scientific Reports</i> , 2019 , 9, 3787	4.9	4
189	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
188	General regularization framework for DEER spectroscopy. <i>Journal of Magnetic Resonance</i> , 2019 , 300, 28-40	3	13
187	UWB DEER and RIDME distance measurements in Cu(II)-Cu(II) spin pairs. <i>Journal of Magnetic Resonance</i> , 2019 , 308, 106560	3	20
186	Quo vadis EPR?. <i>Journal of Magnetic Resonance</i> , 2019 , 306, 36-41	3	6

185	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
184	Synthetic Diversity from a Versatile and Radical Nitrating Reagent. <i>Chemistry - A European Journal</i> , 2019 , 25, 12929-12939	4.8	24
183	Linear and Kinked Oligo(phenyleneethynylene)s as Ideal Molecular Calibrants for Förster Resonance Energy Transfer. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 6942-6947	6.4	7
182	Triptyl 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
181	Pyridyl Radical Cation for C-H Amination of Arenes. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 526-531	16.4	53
180	Chirp echo Fourier transform EPR-detected NMR. <i>Journal of Magnetic Resonance</i> , 2018 , 289, 26-34	3	9
179	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
178	Electron paramagnetic resonance of a copper doped [(CH)NH][Zn(HCOO)] hybrid perovskite framework. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 12097-12105	3.6	8
177	Structural basis of siRNA recognition by TRBP double-stranded RNA binding domains. <i>EMBO Journal</i> , 2018 , 37,	13	30
176	Double resonance calibration of g factor standards: Carbon fibers as a high precision standard. <i>Journal of Magnetic Resonance</i> , 2018 , 289, 100-106	3	5
175	The contribution of modern EPR to structural biology. <i>Emerging Topics in Life Sciences</i> , 2018 , 2, 9-18	3.5	58
174	Capture and characterization of a reactive haem̄arbenoid complex in an artificial metalloenzyme. <i>Nature Catalysis</i> , 2018 , 1, 578-584	36.5	71
173	Deep neural network processing of DEER data. <i>Science Advances</i> , 2018 , 4, eaat5218	14.3	67
172	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
171	MMM: A toolbox for integrative structure modeling. <i>Protein Science</i> , 2018 , 27, 76-85	6.3	82
170	Oxidative Biphasic Depolymerization (BPD) of Kraft Lignin at Low pH. <i>ChemistrySelect</i> , 2018 , 3, 11680-11686	7	
169	Rotamer Modelling of Cu(II) Spin Labels Based on the Double-Histidine Motif. <i>Applied Magnetic Resonance</i> , 2018 , 49, 1281-1298	0.8	12
168	Pyridyl Radical Cation for C-H Amination of Arenes. <i>Angewandte Chemie</i> , 2018 , 131, 536	3.6	

167	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
166	Two-Dimensional Distance Correlation Maps from Pulsed Triple Electron Resonance (TRIER) on Proteins with Three Paramagnetic Centers. <i>Applied Magnetic Resonance</i> , 2018 , 49, 1253-1279	0.8	5
165	Low-Coordinated Titanium(III) Alkyl-Molecular and Surface-Complexes: Detailed Structure from Advanced EPR Spectroscopy. <i>Angewandte Chemie</i> , 2018 , 130, 14741-14745	3.6	0
164	Radikalische Trifluormethoxylierung aromatischer Verbindungen durch photochemische N-O-Bindungsaktivierung. <i>Angewandte Chemie</i> , 2018 , 130, 13980-13985	3.6	33
163	Low-Coordinated Titanium(III) Alkyl-Molecular and Surface-Complexes: Detailed Structure from Advanced EPR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 14533-14537	16.4	8
162	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
161	The Making and Breaking of a Substrate Trap. <i>Biophysical Journal</i> , 2017 , 112, 1-2	2.9	9
160	Model-free extraction of spin label position distributions from pseudocontact shift data. <i>Chemical Science</i> , 2017 , 8, 2751-2757	9.4	24
159	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
158	Tailored Polarizing Hybrid Solids with Nitroxide Radicals Localized in Mesostuctured Silica Walls. <i>Helvetica Chimica Acta</i> , 2017 , 100, e1700101	2	14
157	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
156	Reliable nanometre-range distance distributions from 5-pulse double electron electron resonance. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 15754-15765	3.6	10
155	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
154	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
153	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
152	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
151	Double electron-electron resonance with multiple non-selective chirp refocusing. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 1039-1053	3.6	17
150	High-Bandwidth Q-Band EPR Resonators. <i>Applied Magnetic Resonance</i> , 2017 , 48, 1273-1300	0.8	9

149	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
148	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
147	Formation and decay of radicals during Vacuum-UV irradiation of poly(dimethylsiloxane). <i>Polymer Degradation and Stability</i> , 2017 , 144, 497-507	4.7	2
146	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
145	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
144	Wideband frequency-swept excitation in pulsed EPR spectroscopy. <i>Journal of Magnetic Resonance</i> , 2017 , 280, 46-62	3	35
143	Pulsed triple electron resonance (TRIER) for dipolar correlation spectroscopy. <i>Journal of Magnetic Resonance</i> , 2017 , 282, 119-128	3	17
142	Festkörper-NMR- und EPR-Spektroskopie an Mn ²⁺ -substituierten ATP-angetriebenen Proteinmaschinen. <i>Angewandte Chemie</i> , 2017 , 129, 3418-3422	3.6	5
141	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
140	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
139	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
138	Copper is a Cofactor of the Formylglycine-Generating Enzyme. <i>ChemBioChem</i> , 2017 , 18, 161-165	3.8	37
137	Dendritic polarizing agents for DNP SENS. <i>Chemical Science</i> , 2017 , 8, 416-422	9.4	27
136	Rational design of dinitroxide biradicals for efficient cross-effect dynamic nuclear polarization. <i>Chemical Science</i> , 2016 , 7, 550-558	9.4	117
135	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
134	EPR-correlated dipolar spectroscopy by Q-band chirp SIFTER. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 23111-20	3.6	28
133	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
132	CIDME: Short distances measured with long chirp pulses. <i>Journal of Magnetic Resonance</i> , 2016 , 273, 73-83	3.7	22

131	Early folding events during light harvesting complex II assembly in vitro monitored by pulsed electron paramagnetic resonance. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016 , 1857, 695-704	4.6	4
130	Comment on Quantum trajectory tests of radical-pair quantum dynamics in CIDNP measurements of photosynthetic reaction centers [Chem. Phys. Lett. 640 (2015) 404-5]. <i>Chemical Physics Letters</i> , 2016 , 648, 200-203	2.5	3
129	Pushing the size limit of de novo structure ensemble prediction guided by sparse SDSL-EPR restraints to 200 residues: The monomeric and homodimeric forms of BAX. <i>Journal of Structural Biology</i> , 2016 , 195, 62-71	3.4	12
128	Radical exchange reaction of multi-spin isoindoline nitroxides followed by EPR spectroscopy. <i>RSC Advances</i> , 2016 , 6, 55715-55719	3.7	14
127	SPIDYAN, a MATLAB library for simulating pulse EPR experiments with arbitrary waveform excitation. <i>Journal of Magnetic Resonance</i> , 2016 , 263, 45-54	3	9
126	Exploring the Strength of the H-Bond in Synthetic Models for Heme Proteins: The Importance of the N-H Acidity of the Distal Base. <i>Chemistry - A European Journal</i> , 2016 , 22, 10194-202	4.8	7
125	Glu-311 in External Loop 4 of the Sodium/Proline Transporter PutP Is Crucial for External Gate Closure. <i>Journal of Biological Chemistry</i> , 2016 , 291, 4998-5008	5.4	8
124	Chiral recognition in amyloid fiber growth. <i>Journal of Peptide Science</i> , 2016 , 22, 290-304	2.1	20
123	Cover Image, Volume 84, Issue 4. <i>Proteins: Structure, Function and Bioinformatics</i> , 2016 , 84, C1-C1	4.2	
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	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
120	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
119	Laser-Induced Magnetic Dipole Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 2204-9	6.4	32
118	Transverse interference peaks in chirp FT-EPR correlated three-pulse ESEEM spectra. <i>Journal of Magnetic Resonance</i> , 2016 , 272, 37-45	3	11
117	Averaging of nuclear modulation artefacts in RIDME experiments. <i>Journal of Magnetic Resonance</i> , 2016 , 272, 108-113	3	22
116	Dipolar Spectroscopy [Double-Resonance Methods 2016 , 1459-1476		25
115	Complementary-addressed site-directed spin labeling of long natural RNAs. <i>Nucleic Acids Research</i> , 2016 , 44, 7935-43	20.1	31
114	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

113	The Influence of Zeolites on Radical Formation During Lignin Pyrolysis. <i>ChemSusChem</i> , 2016 , 9, 2397-4038.3	13
112	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
111	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
110	Sensitivity enhancement by population transfer in Gd(III) spin labels. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 7334-44	3.6 50
109	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
108	Changes in the Microenvironment of Nitroxide Radicals around the Glass Transition Temperature. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 13797-806	3.4 10
107	Copper ESEEM and HYSORE through ultra-wideband chirp EPR spectroscopy. <i>Journal of Chemical Physics</i> , 2015 , 143, 044201	3.9 27
106	Modeling of the N-terminal Section and the Luminal Loop of Trimeric Light Harvesting Complex II (LHCII) by Using EPR. <i>Journal of Biological Chemistry</i> , 2015 , 290, 26007-20	5.4 15
105	Gd(III)-Gd(III) distance measurements with chirp pump pulses. <i>Journal of Magnetic Resonance</i> , 2015 , 259, 153-62	3 76
104	A Low-Valent Iron Imido Heterocubane Cluster: Reversible Electron Transfer and Catalysis of Selective C-C Couplings. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 13012-7	16.4 7
103	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
102	Shape Persistence of Polyproline II Helical Oligoprolines. <i>Chemistry - A European Journal</i> , 2015 , 21, 10747-53	4.53 24
101	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
100	Coherence Transfer by Passage Pulses in Electron Paramagnetic Resonance Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 13570-82	3.4 31
99	EPR-aided approach for solution structure determination of large RNAs or protein-RNA complexes. <i>Nature Communications</i> , 2014 , 5, 3669	17.4 83
98	Structural basis of the non-coding RNA RsmZ acting as a protein sponge. <i>Nature</i> , 2014 , 509, 588-92	50.4 143
97	Structural model of active Bax at the membrane. <i>Molecular Cell</i> , 2014 , 56, 496-505	17.6 155
96	RIDME Spectroscopy with Gd(III) Centers. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 3970-5	6.4 67

95	Gd(III)-PyMTA label is suitable for in-cell EPR. <i>Journal of the American Chemical Society</i> , 2014 , 136, 15366-15374	124
94	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
93	Spectral editing through laser-flash excitation in two-dimensional photo-CIDNP MAS NMR experiments. <i>Journal of Magnetic Resonance</i> , 2014 , 246, 9-17	3 10
92	Fourier-transform electron spin resonance with bandwidth-compensated chirp pulses. <i>Journal of Magnetic Resonance</i> , 2014 , 246, 18-26	3 55
91	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
90	Structural Characterization of Polymer-Clay Nanocomposites Prepared by Co-Precipitation Using EPR Techniques. <i>Materials</i> , 2014 , 7, 1384-1408	3.5 9
89	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
88	Adiabatic and fast passage ultra-wideband inversion in pulsed EPR. <i>Journal of Magnetic Resonance</i> , 2013 , 230, 27-39	3 99
87	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
86	Room-temperature synthesis of FeBTC from layered iron hydroxides: the influence of precursor organisation. <i>CrystEngComm</i> , 2013 , 15, 9885	3.3 44
85	Conformational dynamics and distribution of nitroxide spin labels. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2013 , 72, 42-60	10.4 111
84	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
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