Bela E. Bode

List of Publications by Year
in descending order

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61	1,788	279798	276875
papers	citations	23 h-index	41 g-index

68	68	68	1159
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Counting the Monomers in Nanometer-Sized Oligomers by Pulsed Electronâ^'Electron Double Resonance. Journal of the American Chemical Society, 2007, 129, 6736-6745.	13.7	195
2	Spin labeling of oligonucleotides with the nitroxide TPA and use of PELDOR, a pulse EPR method, to measure intramolecular distances. Nature Protocols, 2007, 2, 904-923.	12.0	150
3	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
4	PELDOR Measurements on a Nitroxide-Labeled Cu(II) Porphyrin: Orientation Selection, Spin-Density Distribution, and Conformational Flexibility. Journal of Physical Chemistry A, 2008, 112, 5064-5073.	2.5	121
5	PELDOR at S- and X-Band Frequencies and the Separation of Exchange Coupling from Dipolar Coupling. Journal of Magnetic Resonance, 2002, 157, 277-285.	2.1	94
6	Conformational flexibility of nitroxide biradicals determined by X-band PELDOR experiments. Molecular Physics, 2007, 105, 2153-2160.	1.7	73
7	Subâ€Micromolar Pulse Dipolar EPR Spectroscopy Reveals Increasing Cu^{II}â€labelling of Doubleâ€Histidine Motifs with Lower Temperature. Angewandte Chemie - International Edition, 2019, 58, 11681-11685.	13.8	61
8	Mechanistic Insight Enables Practical, Scalable, Room Temperature Chanâ€“Lam N-Arylation of N-Aryl Sulfonamides. ACS Catalysis, 2018, 8, 9560-9566.	11.2	57
9	Optimization of Transversal Relaxation of Nitroxides for Pulsed Electronâ^'Electron Double Resonance Spectroscopy in Phospholipid Membranes. Journal of Physical Chemistry B, 2010, 114, 13507-13516.	2.6	52
10	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.	13.7	46
11	PELDOR on an exchange coupled nitroxide copper(II) spin pair. Journal of Organometallic Chemistry, 2009, 694, 1172-1179.	1.8	45
12	Accurate Extraction of Nanometer Distances in Multimers by Pulse EPR. Chemistry - A European Journal, 2016, 22, 4700-4703.	3.3	40
13	Allosteric activation of an ion channel triggered by modification of mechanosensitive nano-pockets. Nature Communications, 2019, 10, 4619.	12.8	39
14	PELDOR in rotationally symmetric homo-oligomers. Molecular Physics, 2013, 111, 2845-2854.	1.7	34
15	Orientation selection in high-field RIDME and PELDOR experiments involving low-spin Co^{II} ions. Physical Chemistry Chemical Physics, 2018, 20, 2151-2154.	2.8	32
16	Nitroxideâ€“nitroxide and nitroxideâ€“metal distance measurements in transition metal complexes with two or three paramagnetic centres give access to thermodynamic and kinetic stabilities. Physical Chemistry Chemical Physics, 2018, 20, 11196-11205.	2.8	30
17	Nanomolar Pulse Dipolar EPR Spectroscopy in Proteins: Cu^{II}â€“Cu^{II} and Nitroxideâ€“Nitroxide Cases. Journal of Physical Chemistry B, 2021, 125, 5358-5364.	2.6	29
18	Pulse Dipolar EPR Reveals Double-Histidine Motif Cu^{II}â€“NTA Spin-Labeling Robustness against Competitor Ions. Journal of Physical Chemistry Letters, 2021, 12, 2815-2819.	4.6	28

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19	Monitoring Complex Formation by Relaxationâ€Induced Pulse Electron Paramagnetic Resonance Distance Measurements. ChemPhysChem, 2017, 18, 2318-2321.	2.1	27
20	Sparse Labeling PELDOR Spectroscopy on Multimeric Mechanosensitive Membrane Channels. Biophysical Journal, 2017, 113, 1968-1978.	0.5	27
21	Fractionation and DOSY NMR as Analytical Tools: From Model Polymers to a Technical Lignin. ACS Omega, 2017, 2, 8466-8474.	3.5	26
22	Understanding the structure directing action of copperâ€“polyamine complexes in the direct synthesis of Cu-SAPO-34 and Cu-SAPO-18 catalysts for the selective catalytic reduction of NO with NH3. Microporous and Mesoporous Materials, 2015, 215, 154-167.	4.4	25
23	Synthesis and Properties of the Heterospin (S₁ = S₂ =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 [1,2,5]Thiadiazolo[3,4-c][1,2,5]thiadiazolidyl. Inorganic Chemistry, 2015, 54, 7007-7013.	4.0	25
24	Binding dynamics of a monomeric SSB protein to DNA: a single-molecule multi-process approach. Nucleic Acids Research, 2015, 43, 10907-10924.	14.5	25
25	Enhanced oxygen redox reversibility and capacity retention of titanium-substituted Na_{4/7}[â–¡_{1/7}Ti_{1/7}Mn_{5/7}]O₂ in sodium-ion batteries. Journal of Materials Chemistry A, 2022, 10, 9941-9953.	10.3	25
26	Assessing dimerisation degree and cooperativity in a biomimetic small-molecule model by pulsed EPR. Chemical Communications, 2015, 51, 5257-5260.	4.1	22
27	Deoxyfluorination with CuF₂: Enabled by Using a Lewis Base Activating Group. Angewandte Chemie - International Edition, 2020, 59, 8460-8463.	13.8	22
28	Theory of Solid-State Photo-CIDNP in the Earth's Magnetic Field. Journal of Physical Chemistry A, 2011, 115, 9919-9928.	2.5	21
29	The Solid-State Photo-CIDNP Effect and Its Analytical Application. Topics in Current Chemistry, 2012, 338, 105-121.	4.0	21
30	Subâ€Micromolar Pulse Dipolar EPR Spectroscopy Reveals Increasing Cu^{II}â€labelling of Doubleâ€Histidine Motifs with Lower Temperature. Angewandte Chemie, 2019, 131, 11807-11811.	2.0	21
31	A general model to optimise Cu^{II}labelling efficiency of double-histidine motifs for pulse dipolar EPR applications. Physical Chemistry Chemical Physics, 2021, 23, 3810-3819.	2.8	21
32	Pulsed electronâ€“electron double resonance (PELDOR) distance measurements in detergent micelles. Journal of Magnetic Resonance, 2011, 211, 11-17.	2.1	19
33	Analysis of Influenza A Virus NS1 Dimer Interfaces in Solution by Pulse EPR Distance Measurements. Journal of Physical Chemistry B, 2014, 118, 10882-10888.	2.6	17
34	First experimental evidence for a bis-ethene chromium(I) complex forming from an activated ethene oligomerization catalyst. Science Advances, 2020, 6, .	10.3	17
35	Structural Features in Some Layered Hybrid Copper Chloride Perovskites: ACuCl₄ or A₂CuCl₄. Inorganic Chemistry, 2021, 60, 11014-11024.	4.0	15
36	In-Lipid Structure of Pressure-Sensitive Domains Hints Mechanosensitive Channel Functional Diversity. Biophysical Journal, 2020, 119, 448-459.	0.5	14

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37	A Modular Approach for the Synthesis of Nanometer-Sized Polynitroxide Multi-Spin Systems. Journal of Organic Chemistry, 2014, 79, 8313-8323.	3.2	13
38	The Synthesis Of Epr Differentiable Spinlabels And Their Coupling To Uridine. Nucleosides, Nucleotides and Nucleic Acids, 2007, 26, 655-659.	1.1	11
39	Electrochemically Informed Synthesis: Oxidation versus Coordination of 5,6â€Bis(phenylchalcogeno)acenaphthenes. ChemPhysChem, 2013, 14, 3199-3203.	2.1	11
40	Cu(OTf)₂â€Mediated Crossâ€Coupling of Nitriles and Nâ€Heterocycles with Arylboronic Acids to Generate Nitrilium and Pyridinium Products**. Angewandte Chemie - International Edition, 2021, 60, 7935-7940.	13.8	11
41	Cation Ordering and Exsolution in Copperâ€Containing Forms of the Flexible Zeolite Rho (Cu,Mâ€Rho;) Tj ETQq1 1 0.784314 rgBT /O 2021, 27, 13029-13039.	3.3	11
42	Pulse dipolar EPR for determining nanomolar binding affinities. Chemical Communications, 2022, 58, 8790-8793.	4.1	11
43	Strategies for the Synthesis of Yardsticks and Abaci for Nanometre Distance Measurements by Pulsed EPR. Molecules, 2014, 19, 20227-20256.	3.8	10
44	Diphosphane 2,2â€²-binaphtho[1,8-de][1,3,2]dithiaphosphinine and the easy formation of a stable phosphorus radical cation. Dalton Transactions, 2016, 45, 6348-6351.	3.3	9
45	A Comparison of Cysteine-Conjugated Nitroxide Spin Labels for Pulse Dipolar EPR Spectroscopy. Molecules, 2021, 26, 7534.	3.8	9
46	Isolation of EPR spectra and estimation of spin-states in two-component mixtures of paramagnets. Dalton Transactions, 2018, 47, 10473-10479.	3.3	7
47	Pulse EPR distance measurements to study multimers and multimerisation. Molecular Physics, 2018, 116, 1513-1521.	1.7	7
48	Photochemically Induced Dynamic Nuclear Polarization Observed by Solid-State NMR in a Uniformly ¹³C-Isotope-Labeled Photosynthetic Reaction Center. Journal of Physical Chemistry B, 2015, 119, 13897-13903.	2.6	6
49	Na2MoO2â‹…F4+Î´â€“ a perovskite with a unique combination of atomic orderings and octahedral tilts. Chemical Communications, 2015, 51, 15469-15471.	4.1	6
50	Deoxyfluorination with CuF 2 : Enabled by Using a Lewis Base Activating Group. Angewandte Chemie, 2020, 132, 8538-8541.	2.0	6
51	Analysis of the electronic structure of the primary electron donor of photosystemÂI of <i>Spirodela</i> <i>oligorrhiza</i> by photochemically induced dynamic nuclear polarization (photo-CIDNP) solid-state nuclear magnetic resonance (NMR). Magnetic Resonance, 2020, 1, 261-274.	1.9	6
52	Siteâ€Specific Iron Substitution in STAâ€28, a Large Pore Aluminophosphate Zeotype Prepared by Using 1,10â€Phenanthrolines as Frameworkâ€Bound Templates. Angewandte Chemie - International Edition, 2020, 59, 15186-15190.	13.8	4
53	The Solid-State Photo-CIDNP Effect. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2016, 32, 399-404.	4.9	3
54	Siteâ€Specific Iron Substitution in STAâ€28, a Large Pore Aluminophosphate Zeotype Prepared by Using 1,10â€Phenanthrolines as Frameworkâ€Bound Templates. Angewandte Chemie, 2020, 132, 15298-15302.	2.0	2

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55	Direct, Lateâ€Stage Monoâ€•N â€arylation of Pentamidine: Method Development, Mechanistic Insight, and Expedient Access to Novel Antiparastitics against Diamidineâ€Resistant Parasites. ChemMedChem, 2021, 16, 3396-3401.	3.2	2
56	Advanced EPR spectroscopy for investigation of biomolecular binding events. Electron Paramagnetic Resonance, 2020, , 47-73.	0.2	1
57	A Low-Spin CoII/Nitroxide Complex for Distance Measurements at Q-Band Frequencies. Magnetochemistry, 2022, 8, 43.	2.4	1
58	Hexakis{4-[(4â€²-hydroxybiphenyl-4-yl)ethynyl]phenyl}benzene. MolBank, 2015, 2015, M865.	0.5	0
59	New Views Author profile. Molecular Physics, 2018, 116, 1522-1522.	1.7	0
60	Cu(OTf) 2 â€Mediated Crossâ€Coupling of Nitriles and Nâ€Heterocycles with Arylboronic Acids to Generate Nitrilium and Pyridinium Products**. Angewandte Chemie, 2021, 133, 8014-8019.	2.0	0
61	Pulsed Electron-Electron Double Resonance (PELDOR) and Electron Spin Echo Envelope Modulation (ESEEM) Spectroscopy in Bioanalysis. Bioanalysis, 2019, , 195-212.	0.1	0