Robert Bittl

List of Publications by Year
in descending order

174 papers	7,625 citations	31976 53 h-index	69250 77 g-index
185 all docs	185 docs citations	185 times ranked	5748 citing authors

#	Article	IF	Citations
1	Spinâ€“spin interactions and spin delocalisation in a doped organic semiconductor probed by EPR spectroscopy. Physical Chemistry Chemical Physics, 2021, 23, 13827-13841.	2.8	11
2	Assessing the Nature of Chiral-Induced Spin Selectivity by Magnetic Resonance. Journal of Physical Chemistry Letters, 2021, 12, 6341-6347.	4.6	25
3	Selective 13C labelling reveals the electronic structure of flavocoenzyme radicals. Scientific Reports, 2021, 11, 18234.	3.3	2
4	Pigmentierungschemie und radikalbasierter Kollagenabbau bei Alkaptonurie und Arthrose. Angewandte Chemie, 2020, 132, 12035-12040.	2.0	0
5	Innentitelbild: Pigmentierungschemie und radikalbasierter Kollagenabbau bei Alkaptonurie und Arthrose (Angew. Chem. 29/2020). Angewandte Chemie, 2020, 132, 11770-11770.	2.0	0
6	Nanocrystals for Improved Drug Delivery of Dexamethasone in Skin Investigated by EPR Spectroscopy. Pharmaceutics, 2020, 12, 400.	4.5	17
7	Pigmentation Chemistry and Radicalâ€Based Collagen Degradation in Alkaptonuria and Osteoarthritic Cartilage. Angewandte Chemie - International Edition, 2020, 59, 11937-11942.	13.8	34
8	Probing the Wave Function and Dynamics of the Quintet Multiexciton State with Coherent Control in a Singlet Fission Material. Physical Review X, 2020, 10, .	8.9	8
9	Coupled Methyl Group Rotation in FMN Radicals Revealed by Selective Deuterium Labeling. Journal of Physical Chemistry B, 2020, 124, 1678-1690.	2.6	2
10	Cobaltâ€Exchanged Poly(Heptazine Imides) as Transition Metalâ€“N_x Electrocatalysts for the Oxygen Evolution Reaction. Advanced Materials, 2020, 32, e1903942.	21.0	56
11	EPR study of NO radicals encased in modified open C₆₀ fullerenes. Magnetic Resonance, 2020, 1, 197-207.	1.9	5
12	A blue light receptor that mediates RNA binding and translational regulation. Nature Chemical Biology, 2019, 15, 1085-1092.	8.0	76
13	Tuning Spin Dynamics in Crystalline Tetracene. Journal of Physical Chemistry Letters, 2019, 10, 1908-1913.	4.6	15
14	Site-selective measurement of coupled spin pairs in an organic semiconductor. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5077-5082.	7.1	39
15	Blue-light reception through quaternary transitions. Scientific Reports, 2017, 7, 1385.	3.3	25
16	Determination of Radicalâ€“Radical Distances in Lightâ€Active Proteins and Their Implication for Biological Magnetoreception. Angewandte Chemie - International Edition, 2017, 56, 8550-8554.	13.8	32
17	Recent progress in synchrotron-based frequency-domain Fourier-transform THz-EPR. Journal of Magnetic Resonance, 2017, 280, 10-19.	2.1	44
18	Impact of morphology on polaron delocalization in a semicrystalline conjugated polymer. Physical Chemistry Chemical Physics, 2017, 19, 3627-3639.	2.8	39

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19	Investigation of the cutaneous penetration behavior of dexamethasone loaded to nano-sized lipid particles by EPR spectroscopy, and confocal Raman and laser scanning microscopy. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 116, 102-110.	4.3	24
20	Protein Dynamics in the Reductive Activation of a B12-Containing Enzyme. Biochemistry, 2017, 56, 5496-5502.	2.5	7
21	Bestimmung des Radikalâ€Radikalâ€Abstands in lichtaktiven Proteinen im angeregten Zustand und dessen Bedeutung fÃ¼r die biologische Magnetorezeption. Angewandte Chemie, 2017, 129, 8670-8674.	2.0	0
22	Strongly exchange-coupled triplet pairs in an organic semiconductor. Nature Physics, 2017, 13, 176-181.	16.7	182
23	Localization of dexamethasone within dendritic core-multishell (CMS) nanoparticles and skin penetration properties studied by multi-frequency electron paramagnetic resonance (EPR) spectroscopy. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 116, 94-101.	4.3	22
24	Drug distribution in nanostructured lipid particles. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 110, 19-23.	4.3	21
25	Triplet excitons as sensitive spin probes for structure analysis of extended defects in microcrystalline silicon. Physical Review B, 2016, 94, .	3.2	1
26	Investigation of cutaneous penetration properties of stearic acid loaded to dendritic core-multi-shell (CMS) nanocarriers. International Journal of Pharmaceutics, 2016, 501, 271-277.	5.2	24
27	Structural Insights into the Incorporation of the Mo Cofactor into Sulfite Oxidase from Siteâ€Directed Spin Labeling. Angewandte Chemie - International Edition, 2015, 54, 11865-11869.	13.8	6
28	Signal transduction in lightâ€“oxygenâ€“voltage receptors lacking the adduct-forming cysteine residue. Nature Communications, 2015, 6, 10079.	12.8	86
29	Active Site of the NAD⁺-Reducing Hydrogenase from Ralstonia eutropha Studied by EPR Spectroscopy. Journal of Physical Chemistry B, 2015, 119, 13834-13841.	2.6	4
30	Transient electrically detected magnetic resonance spectroscopy applied to organic solar cells. Applied Physics Letters, 2015, 107, .	3.3	16
31	Electrically Detected HYSCORE on Conduction Band Tail States in ^{29} 29 Si-Enriched Microcrystalline Silicon. Applied Magnetic Resonance, 2014, 45, 1075-1086.	1.2	6
32	Charge Separation in PCPDTBT:PCBM Blends from an EPR Perspective. Journal of Physical Chemistry C, 2014, 118, 28482-28493.	3.1	61
33	Cellular Metabolites Enhance the Light Sensitivity of Arabidopsis Cryptochrome through Alternate Electron Transfer Pathways Â Â. Plant Cell, 2014, 26, 4519-4531.	6.6	58
34	Metastable Defect Formation at Microvoids Identified as a Source of Light-Induced Degradation in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>a</mml:mi><mml:mtext>â^’</mml:mtext><mml:mi>Si</mml:mi><mml:mo>:</mml:mo><mml:mi mathvariant="normal">H</mml:mi></mml:mrow></mml:math>. Physical Review Letters, 2014, 112, 066403.	7.8	57
35	Correlated Donor/Acceptor Crystal Orientation Controls Photocurrent Generation in Allâ€Polymer Solar Cells. Advanced Functional Materials, 2014, 24, 4068-4081.	14.9	144
36	Reversible [4Fe-3S] cluster morphing in an O2-tolerant [NiFe] hydrogenase. Nature Chemical Biology, 2014, 10, 378-385.	8.0	85

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37	Gating in channelrhodopsin. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, e105.	1.0	0
38	Biophysical, Mutational, and Functional Investigation of the Chromophore-Binding Pocket of Light-Oxygen-Voltage Photoreceptors. ACS Synthetic Biology, 2014, 3, 811-819.	3.8	33
39	Effect of TMAO and betaine on the energy landscape of photosystem I. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 849-856.	1.0	6
40	EPR on Flavoproteins. Methods in Molecular Biology, 2014, 1146, 341-360.	0.9	3
41	The electrically detected magnetic resonance microscope: Combining conductive atomic force microscopy with electrically detected magnetic resonance. Review of Scientific Instruments, 2013, 84, 103911.	1.3	6
42	Structural differences between the closed and open states of channelrhodopsinâ€2 as observed by EPR spectroscopy. FEBS Letters, 2013, 587, 3309-3313.	2.8	60
43	A structural model for the full-length blue light-sensing protein YtvA from Bacillus subtilis, based on EPR spectroscopy. Photochemical and Photobiological Sciences, 2013, 12, 1855-1863.	2.9	12
44	Multi-frequency EDMR applied to microcrystalline thin-film silicon solar cells. Journal of Magnetic Resonance, 2013, 234, 1-9.	2.1	9
45	Zero-field splittings in metHb and metMb with aquo and fluoro ligands: a FD-FT THz-EPR study. Molecular Physics, 2013, 111, 2696-2707.	1.7	36
46	Lifetimes of Arabidopsis cryptochrome signaling states in vivo. Plant Journal, 2013, 74, 583-592.	5.7	48
47	Pigmentâ€“Protein Interactions in Phytochromes Probed by Fluorescence Line Narrowing Spectroscopy. Journal of Physical Chemistry B, 2013, 117, 14940-14950.	2.6	7
48	Combining crystallography and EPR: crystal and solution structures of the multidomain cochaperone DnaJ. Acta Crystallographica Section D: Biological Crystallography, 2013, 69, 1540-1552.	2.5	32
49	Electrical detection of Rabi oscillations in microcrystalline silicon thin-film solar cells. Molecular Physics, 2013, 111, 2683-2689.	1.7	2
50	Direct detection of photoinduced charge transfer complexes in polymer fullerene blends. Physical Review B, 2012, 85, .	3.2	70
51	Single Amino Acid Substitution Reveals Latent Photolyase Activity in Arabidopsis cry1. Angewandte Chemie - International Edition, 2012, 51, 9356-9360.	13.8	31
52	Dangling bonds in amorphous silicon investigated by multifrequency EPR. Journal of Non-Crystalline Solids, 2012, 358, 2067-2070.	3.1	5
53	The Amyloid Precursor Protein C-Terminal Fragment C100 Occurs in Monomeric and Dimeric Stable Conformations and Binds Î³-Secretase Modulators. Biochemistry, 2011, 50, 828-835.	2.5	23
54	Combined multifrequency EPR and DFT study of dangling bonds in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>a</mml:mi></mml:math>-Si:H. Physical Review B, 2011, 84, .	3.2	31

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55	A linear single-molecule magnet based on [RuIII(CN)6]3â". Chemical Communications, 2011, 47, 6918.	4.1	50
56	Lightâ€generated Paramagnetic Intermediates in BLUF Domains^{â€}. Photochemistry and Photobiology, 2011, 87, 574-583.	2.5	12
57	Skin penetration enhancement of coreâ€"multishell nanotransporters and invasomes measured by electron paramagnetic resonance spectroscopy. International Journal of Pharmaceutics, 2011, 416, 223-8.	5.2	35
58	Nanostructured lipid carriers as nitroxide depot system measured by electron paramagnetic resonance spectroscopy. International Journal of Pharmaceutics, 2011, 421, 364-369.	5.2	24
59	Stabilization of Reactive Nitroxides Using Invasomes to Allow Prolonged Electron Paramagnetic Resonance Measurements. Skin Pharmacology and Physiology, 2011, 24, 312-321.	2.5	20
60	SLN for topical application in skin diseasesâ€"Characterization of drugâ€"carrier and carrierâ€"target interactions. International Journal of Pharmaceutics, 2010, 390, 225-233.	5.2	60
61	The Electronic State of Flavoproteins: Investigations with Proton Electronâ€"Nuclear Double Resonance. Applied Magnetic Resonance, 2010, 37, 339-352.	1.2	26
62	Impact of Amino Acid Substitutions near the Catalytic Site on the Spectral Properties of an O₂â€Tolerant Membraneâ€Bound [NiFe] Hydrogenase. ChemPhysChem, 2010, 11, 1215-1224.	2.1	10
63	Highâ€Field²Hâ€Mimsâ€ENDOR Spectroscopy on PSII Single Crystals: Hydrogen Bonding of Y_D[.]. ChemPhysChem, 2010, 11, 1275-1282.	2.1	18
64	Protein-Cofactor Interactions in Biological Processes. ChemPhysChem, 2010, 11, 1075-1076.	2.1	0
65	Fluorescence Studies into the Effect of Plasmonic Interactions on Protein Function. Angewandte Chemie - International Edition, 2010, 49, 10217-10220.	13.8	59
66	Probing the Active Site of an O₂â€Tolerant NAD⁺â€Reducing [NiFe]â€Hydrogenase from Ralstonia eutropha H16 by Inâ€…Situ EPR and FTIR Spectroscopy. Angewandte Chemie - International Edition, 2010, 49, 8026-8029.	13.8	65
67	Hydrogen distribution in the vicinity of dangling bonds in hydrogenated amorphous silicon (aâ€Si:H). Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 552-555.	1.8	16
68	Comparison of the membrane-bound [NiFe] hydrogenases from R. eutropha H16 and D. vulgaris Miyazaki F in the oxidized ready state by pulsed EPR. Physical Chemistry Chemical Physics, 2010, 12, 2139.	2.8	24
69	Hindered Rotation of a Cofactor Methyl Group as a Probe for Proteinâ"Cofactor Interaction. Journal of the American Chemical Society, 2010, 132, 8935-8944.	13.7	33
70	Comparative Study of Carotenoids, Catalase and Radical Formation in Human and Animal Skin. Skin Pharmacology and Physiology, 2010, 23, 306-312.	2.5	51
71	Protein dynamics-induced variation of excitation energy transfer pathways. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11857-11861.	7.1	50
72	Anti-correlation of the emission from different red pools in photosystem I. Proceedings of SPIE, 2009, , .	0.8	2

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73	New roles of flavoproteins in molecular cell biology: Blueâ€light active flavoproteins studied by electron paramagnetic resonance. FEBS Journal, 2009, 276, 4290-4303.	4.7	23
74	Role of the Hydrogen Bond from Leu722 to the A_{1A} Phylloquinone in Photosystem I. Biochemistry, 2009, 48, 3315-3324.	2.5	29
75	Dynamic Intracomplex Heterogeneity of Phytochrome. Journal of the American Chemical Society, 2009, 131, 69-71.	13.7	20
76	Frequency domain Fourier transform THz-EPR on single molecule magnets using coherent synchrotron radiation. Physical Chemistry Chemical Physics, 2009, 11, 6820.	2.8	53
77	Electronic structure of the tyrosine D radical and the water-splitting complex from pulsed ENDOR spectroscopy on photosystem II single crystals. Physical Chemistry Chemical Physics, 2009, 11, 6715.	2.8	41
78	Red antenna states of photosystem I from Synechococcus sp. PCC 7002. Photosynthesis Research, 2008, 95, 155-162.	2.9	14
79	55Mn-ENDOR of the S2-state multiline signal of Photosystem II from Thermosynechococcus elongatus. Biochemical Society Transactions, 2008, 36, 1001-1004.	3.4	10
80	Spectral Diffusion Induced by Proton Dynamics in Pigmentâ^'Protein Complexes. Journal of the American Chemical Society, 2008, 130, 17487-17493.	13.7	50
81	Red Antenna States of Photosystem I from Synechocystis PCC 6803. Biochemistry, 2008, 47, 5536-5543.	2.5	30
82	Human and Drosophila Cryptochromes Are Light Activated by Flavin Photoreduction in Living Cells. PLoS Biology, 2008, 6, e160.	5.6	136
83	Magnetic-field effect on the photoactivation reaction of Escherichia coli DNA photolyase. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14395-14399.	7.1	113
84	The Signaling State of Arabidopsis Cryptochrome 2 Contains Flavin Semiquinone. Journal of Biological Chemistry, 2007, 282, 14916-14922.	3.4	227
85	Studies of Organic Protein Cofactors Using Electron Paramagnetic Resonance. Bulletin of the Chemical Society of Japan, 2007, 80, 2270-2284.	3.2	3
86	Cryptochrome Blue Light Photoreceptors Are Activated through Interconversion of Flavin Redox States. Journal of Biological Chemistry, 2007, 282, 9383-9391.	3.4	349
87	Assignment of Red Antenna States in Photosystem I fromThermosynechoccocuselongatusby Single-Molecule Spectroscopyâ€. Biochemistry, 2007, 46, 799-806.	2.5	40
88	Interaction of drug molecules with carrier systems as studied by parelectric spectroscopy and electron spin resonance. Journal of Controlled Release, 2007, 119, 128-135.	9.9	40
89	Insights into the nature of the hydrogen bonding of Tyr272 in apo-galactose oxidase. Journal of Inorganic Biochemistry, 2007, 101, 1859-1864.	3.5	9
90	Determination of the Distance between the Two Neutral Flavin Radicals in Augmenter of Liver Regeneration by Pulsed ELDOR. Journal of the American Chemical Society, 2006, 128, 76-77.	13.7	46

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91	Red Pool Chlorophylls of Photosystem I of the CyanobacteriumThermosynechococcus elongatus:Â A Single-Molecule Studyâ€. Biochemistry, 2006, 45, 1454-1458.	2.5	30
92	High-field (94-GHz) EPR spectroscopy on the S2multiline signal of photosystem II. FEBS Letters, 2006, 580, 3605-3609.	2.8	18
93	A single-crystal ENDOR and density functional theory study of the oxidized states of the [NiFe] hydrogenase from Desulfovibrio vulgaris Miyazaki F. Journal of Biological Inorganic Chemistry, 2006, 11, 41-51.	2.6	103
94	On the occasion of the 70th anniversaries of Klaus MÃ¶bius and Kev M. Salikhov: Magnetic resonance crossing borders. Applied Magnetic Resonance, 2006, 30, 247-250.	1.2	0
95	Towards an identification of chemically different flavin radicals by means of theirg-tensor. Applied Magnetic Resonance, 2006, 30, 345-358.	1.2	15
96	Substrate binding in quinoprotein ethanol dehydrogenase from Pseudomonas aeruginosa studied by electron-nuclear double resonance. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 5267-5272.	7.1	14
97	Structure of the Pyrroloquinoline Quinone Radical in Quinoprotein Ethanol Dehydrogenase. Journal of Biological Chemistry, 2006, 281, 1470-1476.	3.4	26
98	Treatment of spin-coupled metal-centres in pulsed electronâ€“electron double-resonance experiments. Biochemical Society Transactions, 2005, 33, 15-19.	3.4	20
99	Probing the N(5)?H Bond of the Isoalloxazine Moiety of Flavin Radicals by X- and W-Band Pulsed Electron-Nuclear Double Resonance. ChemPhysChem, 2005, 6, 292-299.	2.1	37
100	Phenoxyl Radicals Hydrogen-Bonded to Imidazolium: Analogues of Tyrosyl D. of Photosystem II: High-Field EPR and DFT Studies. Angewandte Chemie - International Edition, 2005, 44, 5314-5317.	13.8	73
101	Determination of the g-matrix orientation in flavin radicals by high-field/high-frequency electron-nuclear double resonance. Magnetic Resonance in Chemistry, 2005, 43, S96-S102.	1.9	22
102	High-field EPR investigations of MnIIIMnIV and MnIIMnIII states of dimanganese catalase and related model systems. Magnetic Resonance in Chemistry, 2005, 43, S51-S64.	1.9	45
103	Orientation of spin labels inde novo peptides. Magnetic Resonance in Chemistry, 2005, 43, S26-S33.	1.9	15
104	The functional sites of chlorophylls in D1 and D2 subunits of Photosystem II identified by pulsed EPR. Photosynthesis Research, 2005, 84, 187-192.	2.9	15
105	Substrate-Binding in Quinoprotein Ethanol Dehydrogenase fromPseudomonasaeruginosaStudied by Electron Paramagnetic Resonance at 94 GHz. Journal of the American Chemical Society, 2005, 127, 7974-7975.	13.7	17
106	Unambiguous Determination of theg-Matrix Orientation in a Neutral Flavin Radical by Pulsed Electronâ^'Nuclear Double Resonance at 94 GHz. Journal of the American Chemical Society, 2005, 127, 10780-10781.	13.7	24
107	Transient radical pairs studied by time-resolved EPR. Biochimica Et Biophysica Acta - Bioenergetics, 2005, 1707, 117-126.	1.0	66
108	Configuration of Electron Transfer Components Studied by EPR Spectroscopy. , 2005, , 389-402.		5

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109	Pulse ENDOR studies on the radical pair P 700 +Â· A 1 Â·â˜ and the photoaccumulated quinone acceptor A 1 Â·â˜ of photosystem I. Applied Magnetic Resonance, 2004, 26, 5-21.	1.2	19
110	On the Reaction Mechanism of Adduct Formation in LOV Domains of the Plant Blue-Light Receptor Phototropin. Journal of the American Chemical Society, 2004, 126, 11067-11076.	13.7	127
111	The Photoinduced Triplet of Flavins and Its Protonation States. Journal of the American Chemical Society, 2004, 126, 11393-11399.	13.7	58
112	Characterisation of the PQQ cofactor radical in quinoprotein ethanol dehydrogenase ofPseudomonas aeruginosaby electron paramagnetic resonance spectroscopy. FEBS Letters, 2004, 564, 69-72.	2.8	15
113	Characterization of a Flavin Radical Product in a C57M Mutant of a LOV1 Domain by Electron Paramagnetic Resonanceâ€. Biochemistry, 2003, 42, 8506-8512.	2.5	50
114	Multifrequency EPR Investigation of Dimanganese Catalase and Related Mn(III)Mn(IV) Complexes. Journal of Physical Chemistry B, 2003, 107, 1242-1250.	2.6	60
115	Hyperfine structure of the photoexcited triplet state 3P680 in plant PS II reaction centres as determined by pulse ENDOR spectroscopy. Biochimica Et Biophysica Acta - Bioenergetics, 2003, 1605, 35-46.	1.0	43
116	Photosystem II single crystals studied by transient EPR: the light-induced triplet state. Biochimica Et Biophysica Acta - Bioenergetics, 2003, 1605, 47-54.	1.0	27
117	Electron Transfer in Cyanobacterial Photosystem I. Journal of Biological Chemistry, 2003, 278, 27864-27875.	3.4	81
118	g-Tensor of the Neutral Flavin Radical Cofactor of DNA Photolyase Revealed by 360-GHz Electron Paramagnetic Resonance Spectroscopy. Journal of Physical Chemistry B, 2002, 106, 8885-8890.	2.6	53
119	Pulsed Electronâ˜Electron Double Resonance on Multinuclear Metal Clusters:Â Assignment of Spin Projection Factors Based on the Dipolar Interaction. Journal of the American Chemical Society, 2002, 124, 12606-12611.	13.7	96
120	Insertional Inactivation of themenGGene, Encoding 2-Phytyl-1,4-Naphthoquinone Methyltransferase ofSynechocystissp. PCC 6803, Results in the Incorporation of 2-Phytyl-1,4-Naphthoquinone into the A1Site and Alteration of the Equilibrium Constant between A1and FXin Photosystem Iâ€. Biochemistry, 2002, 41, 394-405.	2.5	56
121	Pulsed ENDOR Studies of Short-Lived Spin-Correlated Radical Pairs in Photosynthetic Reaction Centers. Journal of Physical Chemistry B, 2002, 106, 9679-9686.	2.6	26
122	Radicals, Radical Pairs and Triplet States in Photosynthesis. Accounts of Chemical Research, 2002, 35, 313-320.	15.6	161
123	Assembly of Photosystem I. Journal of Biological Chemistry, 2002, 277, 20355-20366.	3.4	85
124	Pulsed EPR spectroscopy on short-lived intermediates in Photosystem I. Biochimica Et Biophysica Acta - Bioenergetics, 2001, 1507, 194-211.	1.0	65
125	Characterization of de novo synthesized four-helix bundle proteins with metalloporphyrin cofactors. Physical Chemistry Chemical Physics, 2001, 3, 4082-4090.	2.8	30
126	Transient EPR and Absorption Studies of Carotenoid Triplet Formation in Purple Bacterial Antenna Complexes. Journal of Physical Chemistry B, 2001, 105, 5525-5535.	2.6	53

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127	Tryptophan and Tyrosine Radicals in Ribonucleotide Reductase:â€‰ A Comparative High-Field EPR Study at 94 GHz. Biochemistry, 2001, 40, 15362-15368.	2.5	121
128	High-frequency EPR studies on cofactor radicals in photosystem I. Applied Magnetic Resonance, 2001, 21, 363-379.	1.2	30
129	95 GHz ESEEM of radical pairs: a source of radical separations and relative orientations. Chemical Physics Letters, 2001, 342, 162-168.	2.6	8
130	Recruitment of a Foreign Quinone into the A1 Site of Photosystem I. Journal of Biological Chemistry, 2001, 276, 39512-39521.	3.4	65
131	Photosystem II single crystals studied by EPR spectroscopy at 94 GHz: The tyrosine radical YFormula. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 6623-6628.	7.1	79
132	Mutations in Both Sides of the Photosystem I Reaction Center Identify the Phylloquinone Observed by Electron Paramagnetic Resonance Spectroscopy. Journal of Biological Chemistry, 2001, 276, 37299-37306.	3.4	67
133	A Novel Approach to Separating EPR Lines Arising from Species with Different Transition Moments. Journal of Magnetic Resonance, 2000, 147, 226-231.	2.1	12
134	Electron paramagnetic resonance and electron nuclear double resonance spectroscopy of a heme protein maquette. Chemical Physics Letters, 2000, 323, 329-339.	2.6	23
135	Recruitment of a Foreign Quinone into the A1 Site of Photosystem I. Journal of Biological Chemistry, 2000, 275, 8531-8539.	3.4	83
136	Single-Molecule Spectroscopy on Photosystem I Pigmentâ^'Protein Complexes. Journal of Physical Chemistry B, 2000, 104, 8093-8096.	2.6	62
137	EPR Study of the Molecular and Electronic Structure of the Semiquinone Biradical QA-â€¢QB-â€¢in Photosynthetic Reaction Centers fromRhodobactersphaeroides. Journal of the American Chemical Society, 2000, 122, 7327-7341.	13.7	110
138	A Structural Model for the Charge Separated State in Photosystem I from the Orientation of the Magnetic Interaction Tensors. Journal of Physical Chemistry B, 2000, 104, 9728-9739.	2.6	75
139	How carotenoids protect bacterial photosynthesis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2000, 355, 1345-1349.	4.0	124
140	Characterization of a de novo Designed Heme Protein by EPR and ENDOR Spectroscopy. Chemistry - A European Journal, 1999, 5, 2327-2334.	3.3	20
141	Electron Paramagnetic Resonance Studies of Zinc-Substituted Reaction Centers from Rhodopseudomonas viridis. Biochemistry, 1999, 38, 11773-11787.	2.5	30
142	Determination of the distance between Yoxâ‹... Z and Qâ^'â‹... A in photosystem II by pulsed EPR spectroscopy on light-induced radical pairs. FEBS Letters, 1999, 442, 79-82.	2.8	30
143	Title is missing!. Photosynthesis Research, 1998, 55, 189-197.	2.9	38
144	Electron spin echo envelope modulation by electronic spinâ€“spin interactions in radical pairs undergoing electron transfer. Chemical Physics Letters, 1998, 294, 323-331.	2.6	9

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145	Electronic Structure of Antiferromagnetically Coupled Dinuclear Manganese (MnIIIMnIV) Complexes Studied by Magnetic Resonance Techniques. Journal of the American Chemical Society, 1998, 120, 13104-13120.	13.7	120
146	The Quinone Acceptor A1 in Photosystem I:â€‰ Binding Site, and Comparison to QA in Purple Bacteria Reaction Centers. Journal of Physical Chemistry B, 1998, 102, 8278-8287.	2.6	41
147	The Radical Pair State in Photosystem I Single Crystals:â€‰ Orientation Dependence of the Transient Spin-Polarized EPR Spectra. Journal of Physical Chemistry B, 1998, 102, 8266-8277.	2.6	33
148	Time Resolved Endor of the Triplet State of P680 in PS II Reaction Centers. , 1998, , 1057-1060.		1
149	Time-Resolved X-, K-, and W-Band EPR of the Radical Pair State of Photosystem I in Comparison with in Bacterial Reaction Centers. Journal of Physical Chemistry B, 1997, 101, 1437-1443.	2.6	118
150	Pulsed EPR Structure Analysis of Photosystem I Single Crystals:Â Localization of the Phylloquinone Acceptorâ€. Biochemistry, 1997, 36, 12001-12004.	2.5	82
151	Pulsed EPR Study of Spin-Coupled Radical Pairs in Photosynthetic Reaction Centers:Â Measurement of the Distance Between and in Photosystem I and between and in Bacterial Reaction Centers. Journal of Physical Chemistry B, 1997, 101, 1429-1436.	2.6	108
152	Measurement of Cofactor Distances between P700â€¢+and A1â€¢-in Native and Quinone-Substituted Photosystem I Using Pulsed Electron Paramagnetic Resonance Spectroscopyâ€. Biochemistry, 1997, 36, 9774-9779.	2.5	34
153	Pulsed EPR measurement of the distance between P680 +Â· and QA â^'Â· in photosystem II. FEBS Letters, 1997, 414, 454-456.	2.8	60
154	Transient and pulsed EPR spectroscopy on the radical pair state P 865 +. Q A â^'. to study light-induced changes in bacterial reaction centers. Applied Magnetic Resonance, 1997, 13, 517-529.	1.2	31
155	Electronic Structure of Neutral Tryptophan Radicals in Ribonucleotide Reductase Studied by EPR and ENDOR Spectroscopy. Journal of the American Chemical Society, 1996, 118, 8111-8120.	13.7	101
156	Pulsed EPR experiments on radical pairs in photosynthesis: Comparison of the donor-acceptor distances in photosystem I and bacterial reaction centers. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1996, 100, 2041-2044.	0.9	51
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