

# Donatella Carbonera

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5028505/publications.pdf>

Version: 2024-02-01

118  
papers

2,953  
citations

136740

32  
h-index

214527

47  
g-index

122  
all docs

122  
docs citations

122  
times ranked

2356  
citing authors

#	ARTICLE	IF	CITATIONS
1	EPR Investigation of Photoinduced Radical Pair Formation and Decay to a Triplet State in a Carotene-Porphyrin-Fullerene Triad. <i>Journal of the American Chemical Society</i> , 1998, 120, 4398-4405.	6.6	180
2	Zeaxanthin Protects Plant Photosynthesis by Modulating Chlorophyll Triplet Yield in Specific Light-harvesting Antenna Subunits. <i>Journal of Biological Chemistry</i> , 2012, 287, 41820-41834.	1.6	118
3	Microwave and optical spectroscopy of carotenoid triplets in light-harvesting complex LHC II of spinach by absorbance-detected magnetic resonance. <i>Applied Magnetic Resonance</i> , 1991, 2, 179-202.	0.6	95
4	Influence of the Axial Ligands on the Spectral Properties of P700 of Photosystem I: A Study of Site-Directed Mutants. <i>Biochemistry</i> , 2000, 39, 13012-13025.	1.2	95
5	Permeability of inner mitochondrial membrane and oxidative stress. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1988, 943, 245-255.	1.4	91
6	Hydrogen Bonding to P700: Site-Directed Mutagenesis of Threonine A739 of Photosystem I in <i>Chlamydomonas reinhardtii</i> . <i>Biochemistry</i> , 2002, 41, 8557-8569.	1.2	88
7	Chlorophyll Triplet States Associated with Photosystem II of Thylakoids. <i>Biochemistry</i> , 2002, 41, 8184-8194.	1.2	70
8	Species-specific Differences of the Spectroscopic Properties of P700. <i>Journal of Biological Chemistry</i> , 2003, 278, 46760-46771.	1.6	65
9	Cuprizone neurotoxicity, copper deficiency and neurodegeneration. <i>NeuroToxicology</i> , 2010, 31, 509-517.	1.4	59
10	Porphyrin Triplet State as a Potential Spin Label for Nanometer Distance Measurements by PELDOR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2014, 136, 6582-6585.	6.6	58
11	Differential Roles of Carotenes and Xanthophylls in Photosystem I Photoprotection. <i>Biochemistry</i> , 2016, 55, 3636-3649.	1.2	56
12	FDMR of Carotenoid and Chlorophyll triplets in light-harvesting complex LHCII of spinach. <i>Applied Magnetic Resonance</i> , 1992, 3, 859-872.	0.6	50
13	A well resolved ODMR triplet minus singlet spectrum of P680 from PSII particles. <i>FEBS Letters</i> , 1994, 343, 200-204.	1.3	50
14	Auxin-Responsive Genes <i>AIR12</i> Code for a New Family of Plasma Membrane b-Type Cytochromes Specific to Flowering Plants. <i>Plant Physiology</i> , 2009, 150, 606-620.	2.3	50
15	Quenching of Chlorophyll Triplet States by Carotenoids in Reconstituted Lhca4 Subunit of Peripheral Light-Harvesting Complex of Photosystem I. <i>Biochemistry</i> , 2005, 44, 8337-8346.	1.2	49
16	Structure-Based Calculations of the Optical Spectra of the Light-Harvesting Peridinin-Chlorophyll Protein Complexes from <i>Amphidinium carterae</i> and <i>Heterocapsa pygmaea</i> . <i>Journal of Physical Chemistry B</i> , 1999, 103, 6349-6356.	1.2	48
17	Identification by time-resolved EPR of the peridinin directly involved in chlorophyll triplet quenching in the peridinin-chlorophyll protein from <i>Amphidinium carterae</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 186-195.	0.5	47
18	Optically detected magnetic resonance (ODMR) of photoexcited triplet states. <i>Photosynthesis Research</i> , 2009, 102, 403-414.	1.6	47

#	ARTICLE	IF	CITATIONS
19	Coherence in carotenoid-to-chlorophyll energy transfer. <i>Nature Communications</i> , 2018, 9, 3160.	5.8	46
20	Chlorophyll triplet states associated with Photosystem I and Photosystem II in thylakoids of the green alga <i>Chlamydomonas reinhardtii</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2007, 1767, 88-105.	0.5	45
21	ODMR of carotenoid and chlorophyll triplets in CP43 and CP47 complexes of spinach. <i>Chemical Physics Letters</i> , 1992, 194, 275-281.	1.2	40
22	Identification of the Sites of Chlorophyll Triplet Quenching in Relation to the Structure of LHC-II from Higher Plants. Evidence from EPR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2009, 113, 13071-13078.	1.2	39
23	Light-Induced Porphyrin-Based Spectroscopic Ruler for Nanometer Distance Measurements. <i>Chemistry - A European Journal</i> , 2016, 22, 17204-17214.	1.7	39
24	The [4Fe-4S]-cluster coordination of [FeFe]-hydrogenase maturation protein HydF as revealed by EPR and HYSCORE spectroscopies. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 2149-2157.	0.5	38
25	Photoinduced Long-Lived Charge Separation in a Tetrathiafulvalene-Porphyrin Fullerene Triad Detected by Time-Resolved Electron Paramagnetic Resonance. <i>Journal of Physical Chemistry B</i> , 2005, 109, 14401-14409.	1.2	37
26	The Effect of Protein Conformational Flexibility on the Electronic Properties of a Chromophore. <i>Biophysical Journal</i> , 2003, 84, 2805-2813.	0.2	36
27	Carotenoid interactions in peridinin chlorophyll a proteins from dinoflagellates. Evidence for optical excitations and triplet migration. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 989.	1.7	35
28	Pulse ENDOR and density functional theory on the peridinin triplet state involved in the photo-protective mechanism in the peridinin-chlorophyll protein from <i>Amphidinium carterae</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 295-307.	0.5	35
29	The Unique Photophysical Properties of the Peridinin-Chlorophyll-a-Protein. <i>Current Protein and Peptide Science</i> , 2014, 15, 332-350.	0.7	35
30	Fluorescence and Absorption Detected Magnetic Resonance of Chlorosomes from Green Bacteria <i>Chlorobium tepidum</i> and <i>Chloroflexus aurantiacus</i> . A Comparative Study. <i>Journal of Physical Chemistry B</i> , 2001, 105, 246-255.	1.2	34
31	Photochemistry of Artificial Photosynthetic Reaction Centers in Liquid Crystals Probed by Multifrequency EPR (9.5 and 95 GHz). <i>Journal of the American Chemical Society</i> , 2004, 126, 17074-17086.	6.6	34
32	Limits in the use of cPTIO as nitric oxide scavenger and EPR probe in plant cells and seedlings. <i>Frontiers in Plant Science</i> , 2013, 4, 340.	1.7	34
33	Energy transfer and spin polarization of the carotenoid triplet state in synthetic carotenoporphyrin dyads and in natural antenna complexes. <i>Applied Magnetic Resonance</i> , 1997, 13, 487-504.	0.6	33
34	Interquinone Electron Transfer in Photosystem I As Evidenced by Altering the Hydrogen Bond Strength to the Phylloquinone(s). <i>Journal of Physical Chemistry B</i> , 2010, 114, 9300-9312.	1.2	32
35	Chlorophyll triplet quenching by fucoxanthin in the fucoxanthin-chlorophyll protein from the diatom <i>Cyclotella meneghiniana</i> . <i>Biochemical and Biophysical Research Communications</i> , 2012, 427, 637-641.	1.0	32
36	Photoprotective sites in the violaxanthin-chlorophyll a binding Protein (VCP) from <i>Nannochloropsis gaditana</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1235-1246.	0.5	32

#	ARTICLE	IF	CITATIONS
37	Triplet-triplet energy transfer in the major intrinsic light-harvesting complex of <i>Amphidinium carterae</i> as revealed by ODMR and EPR spectroscopies. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 1759-1767.	0.5	31
38	An unusual role for the phytyl chains in the photoprotection of the chlorophylls bound to Water-Soluble Chlorophyll-binding Proteins. <i>Scientific Reports</i> , 2017, 7, 7504.	1.6	31
39	The P700 triplet state in an intact environment detected by ODMR. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1997, 1322, 115-128.	0.5	28
40	Triplet-triplet energy transfer in fucoxanthin-chlorophyll protein from diatom <i>Cyclotella meneghiniana</i> : Insights into the structure of the complex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2013, 1827, 1226-1234.	0.5	28
41	Spectroscopic properties of the peridinin-chlorophyll a-protein from <i>Amphidinium carterae</i> as revealed by optically detected magnetic resonance, pulse EPR and pulse ENDOR spectroscopies. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 1355-1363.	0.5	27
42	Evidence for water-mediated triplet-triplet energy transfer in the photoprotective site of the peridinin-chlorophyll protein. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 85-97.	0.5	27
43	Mechanism of nitrofurantoin toxicity and oxidative stress in mitochondria. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1988, 936, 139-147.	0.5	26
44	Alteration of the H-Bond to the A <sub>1A</sub> Phylloquinone in Photosystem I: Influence on the Kinetics and Energetics of Electron Transfer. <i>Journal of Physical Chemistry B</i> , 2011, 115, 1751-1759.	1.2	25
45	Water-Soluble Chlorophyll Protein (WSCP) Stably Binds Two or Four Chlorophylls. <i>Biochemistry</i> , 2017, 56, 1726-1736.	1.2	25
46	Carotenoid triplet detection by time-resolved EPR spectroscopy in carotenopyropheophorbide dyads. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1997, 105, 329-335.	2.0	24
47	Distance measurements in peridinin-chlorophyll a-protein by light-induced PELDOR spectroscopy. Analysis of triplet state localization. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 1909-1916.	0.5	24
48	Overview of the Maturation Machinery of the H-Cluster of [FeFe]-Hydrogenases with a Focus on HydF. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3118.	1.8	23
49	How water-mediated hydrogen bonds affect chlorophyll a/b selectivity in Water-Soluble Chlorophyll Protein. <i>Scientific Reports</i> , 2019, 9, 18255.	1.6	23
50	How the Protein Environment Can Tune the Energy, the Coupling, and the Ultrafast Dynamics of Interacting Chlorophylls: The Example of the Water-Soluble Chlorophyll Protein. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1059-1067.	2.1	23
51	NPQ activation reduces chlorophyll triplet state formation in the moss <i>Physcomitrella patens</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 1608-1615.	0.5	21
52	The electronic structure of the lutein triplet state in plant light-harvesting complex II. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 12238.	1.3	21
53	Triplet-state spin labels for highly sensitive pulsed dipolar spectroscopy. <i>Molecular Physics</i> , 2019, 117, 2673-2687.	0.8	20
54	Model for Triplet-Triplet Energy Transfer in Natural Clusters of Peridinin Molecules Contained in Dinoflagellate's Outer Antenna Proteins. <i>Journal of Physical Chemistry B</i> , 1999, 103, 6357-6362.	1.2	19

#	ARTICLE	IF	CITATIONS
55	Optically Detected Magnetic Resonance of Chlorophyll Triplet States in Water-Soluble Chlorophyll Proteins from <i>Lepidium virginicum</i> : Evidence for Excitonic Interaction among the Four Pigments. <i>Journal of Physical Chemistry B</i> , 2018, 122, 6156-6163.	1.2	19
56	Exploring iron-binding to human frataxin and to selected Friedreich ataxia mutants by means of NMR and EPR spectroscopies. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019, 1867, 140254.	1.1	19
57	FDMR spectroscopy of peridinin-chlorophyll-a protein from <i>Amphidinium carterae</i> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1995, 51, 115-123.	2.0	18
58	Analysis of photosystem II triplet states in thylakoids by fluorescence detected magnetic resonance in relation to the redox state of the primary quinone acceptor QA. <i>Chemical Physics</i> , 2003, 294, 257-266.	0.9	18
59	Triplet-triplet energy transfer in Peridinin-Chlorophyll a-protein reconstituted with Chl a and Chl d as revealed by optically detected magnetic resonance and pulse EPR: Comparison with the native PCP complex from <i>Amphidinium carterae</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 168-175.	0.5	18
60	Conservation of Spin Polarization during Triplet-Triplet Energy Transfer in Reconstituted Peridinin-Chlorophyll-Protein Complexes. <i>Journal of Physical Chemistry B</i> , 2011, 115, 13371-13380.	1.2	18
61	FDMR of chlorophyll triplets in integrated particles and isolated reaction centres of Photosystem II. Identification of P680 triplet. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1994, 1185, 167-176.	0.5	16
62	Carotenoid Triplet States Associated with the Long-Wavelength-Emitting Chlorophyll Forms of Photosystem I in Isolated Thylakoid Membranes. <i>Journal of Physical Chemistry B</i> , 2005, 109, 986-991.	1.2	16
63	Comparative analysis of [FeFe] hydrogenase from <i>Thermotogales</i> indicates the molecular basis of resistance to oxygen inactivation. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 570-578.	3.8	16
64	Catalysis and electron transfer in protein crystals: the binary and ternary complexes of methylamine dehydrogenase with electron acceptors. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2003, 1647, 337-342.	1.1	14
65	Electron transfer in crystals of the binary and ternary complexes of methylamine dehydrogenase with amicyanin and cytochrome c551i as detected by EPR spectroscopy. <i>Journal of Biological Inorganic Chemistry</i> , 2004, 9, 231-237.	1.1	14
66	Electronic Coupling Effects on Photoinduced Electron Transfer in Carotene-Porphyrin-Fullerene Triads Detected by Time-Resolved EPR. <i>Journal of Chemical Information and Modeling</i> , 2005, 45, 1580-1588.	2.5	14
67	Carotenoid triplet states in photosystem II: Coupling with low-energy states of the core complex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 262-275.	0.5	13
68	A Fluorescence Detected Magnetic Resonance Investigation of the Carotenoid Triplet States Associated with Photosystem II of Isolated Spinach Thylakoid Membranes. <i>Photosynthesis Research</i> , 2005, 86, 283-296.	1.6	12
69	Structural Changes of a Doubly Spin-Labeled Chemically Driven Molecular Shuttle Probed by PELDOR Spectroscopy. <i>Chemistry - A European Journal</i> , 2016, 22, 8745-8750.	1.7	11
70	The fine tuning of carotenoid-chlorophyll interactions in light-harvesting complexes: an important requisite to guarantee efficient photoprotection via triplet-triplet energy transfer in the complex balance of the energy transfer processes. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 162001.	0.6	11
71	Altering the exciton landscape by removal of specific chlorophylls in monomeric LHCII provides information on the sites of triplet formation and quenching by means of ODMR and EPR spectroscopies. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2021, 1862, 148481.	0.5	11
72	The photo-excited triplet state of chlorophyll in methyl-tetrahydrofuran studied by optically detected magnetic resonance and time-resolved EPR. <i>Molecular Physics</i> , 2007, 105, 2109-2117.	0.8	10

#	ARTICLE	IF	CITATIONS
73	Pulsed EPR and ENDOR on the Peridinin Triplet State Involved in the Photoprotective Mechanism in Peridinin-Chlorophyll Proteins. <i>Applied Magnetic Resonance</i> , 2010, 37, 191-205.	0.6	10
74	Unravelling electronic and structural requisites of triplet-triplet energy transfer by advanced electron paramagnetic resonance and density functional theory. <i>Molecular Physics</i> , 2013, 111, 2914-2932.	0.8	10
75	Probing the Solvent Accessibility of the [4Fe-4S] Cluster of the Hydrogenase Maturation Protein HydF from <i>Thermotoga neapolitana</i> by HYSCORE and 3p-ESEEM. <i>Journal of Physical Chemistry B</i> , 2015, 119, 13680-13689.	1.2	10
76	Characterization of the [FeFe]-Hydrogenase Maturation Protein HydF by EPR Techniques: Insights into the Catalytic Mechanism. <i>Topics in Catalysis</i> , 2015, 58, 708-718.	1.3	10
77	Identifying conformational changes with site-directed spin labeling reveals that the GTPase domain of HydF is a molecular switch. <i>Scientific Reports</i> , 2017, 7, 1714.	1.6	10
78	Reaction Center Models in Liquid Crystals: Identification of Paramagnetic Intermediates. <i>Molecular Crystals and Liquid Crystals</i> , 2003, 394, 19-30.	0.4	9
79	The proton iron-sulfur cluster environment of the [FeFe]-hydrogenase maturation protein HydF from <i>Thermotoga neapolitana</i> . <i>International Journal of Hydrogen Energy</i> , 2014, 39, 18574-18582.	3.8	9
80	Accessibility of Protein-Bound Chlorophylls Probed by Dynamic Electron Polarization. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 672-676.	2.1	9
81	Primary donor triplet states of Photosystem I and II studied by Q-band pulse ENDOR spectroscopy. <i>Photosynthesis Research</i> , 2022, , 1.	1.6	9
82	Optically Detected Magnetic Resonance of pigments in Light Harvesting Complex (LHCII) of spinach. <i>Rendiconti Lincei</i> , 1992, 3, 361-368.	1.0	8
83	Structural investigation of oxidized chlorosomes from green bacteria using multifrequency electron paramagnetic resonance up to 330 GHz. <i>Photosynthesis Research</i> , 2002, 71, 33-44.	1.6	8
84	Time-resolved EPR investigation of charge recombination to a triplet state in a carotene-diporphyrin triad. <i>Molecular Physics</i> , 2006, 104, 1595-1607.	0.8	8
85	HYSCORE on Photoexcited Triplet States. <i>Applied Magnetic Resonance</i> , 2015, 46, 389-409.	0.6	8
86	Similarity and Specificity of Chlorophyll <i>b</i> Triplet State in Comparison to Chlorophyll <i>a</i> as Revealed by EPR/ENDOR and DFT Calculations. <i>Journal of Physical Chemistry B</i> , 2019, 123, 8232-8239.	1.2	8
87	Effects of Fe <sup>2+</sup> /Fe <sup>3+</sup> Binding to Human Frataxin and Its D122Y Variant, as Revealed by Site-Directed Spin Labeling (SDSL) EPR Complemented by Fluorescence and Circular Dichroism Spectroscopies. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9619.	1.8	8
88	A distinctive pathway for triplet-triplet energy transfer photoprotection in fucoxanthin chlorophyll-binding proteins from <i>Cyclotella meneghiniana</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2021, 1862, 148310.	0.5	8
89	Optically detected magnetic resonance study on the origin of the pheophytin triplet state in D1D2-cytochrome b-559 complexes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1994, 1188, 35-45.	0.5	7
90	Substantial Deletions in the DE Loop of the Photosystem II D1 Protein Do Not Prevent its Turnover or Cross-linking with the $\hat{\pm}$ -subunit of Cytochrome b559. A Study Using <i>Synechocystis</i> sp. PCC 6803 Mutants. <i>Journal of Plant Physiology</i> , 1999, 154, 591-596.	1.6	7

#	ARTICLE	IF	CITATIONS
91	Magnetic Resonance Studies and Molecular Orbital Calculations on the Doublet and Triplet States of Bacteriopurpurin: A Potential Second-Generation Photosensitizer for Photodynamic Therapy. <i>Journal of Physical Chemistry B</i> , 2002, 106, 2769-2778.	1.2	7
92	ODMR spectroscopy of molecular functions in photosynthetic membrane proteins. <i>Applied Magnetic Resonance</i> , 2007, 31, 179-191.	0.6	7
93	Iron Binding Properties of Recombinant Class A Protein Disulfide Isomerase from <i>Arabidopsis thaliana</i> . <i>Biochemistry</i> , 2017, 56, 2116-2125.	1.2	7
94	Triplet Charge Recombination in Heliobacterial Reaction Centers Does Not Produce a Spin-Polarized EPR Spectrum. <i>Zeitschrift Fur Physikalische Chemie</i> , 2017, 231, 593-607.	1.4	7
95	Violaxanthin and Zeaxanthin May Replace Lutein at the L1 Site of LHCII, Conserving the Interactions with Surrounding Chlorophylls and the Capability of Triplet-Triplet Energy Transfer. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4812.	1.8	7
96	Isolation and characterization of photosystem II subcomplexes from cyanobacteria lacking photosystem I. <i>FEBS Journal</i> , 2001, 268, 5129-5134.	0.2	6
97	Fluorescence and Absorption Detected Magnetic Resonance of Membranes from the Green Sulfur Bacterium <i>Chlorobium limicola</i> . Full Assignment of Detected Triplet States. <i>Journal of Physical Chemistry B</i> , 2002, 106, 7560-7568.	1.2	6
98	Neuroglobin Provides a Convenient Scaffold to Investigate the Triplet-State Properties of Porphyrins by Time-Resolved EPR Spectroscopy and Magnetophotoselection. <i>Applied Magnetic Resonance</i> , 0, , 1.	0.6	6
99	Structural and functional role of the PsbH protein in resistance to light stress in <i>Synechocystis</i> PCC 6803. <i>Functional Plant Biology</i> , 2002, 29, 1181.	1.1	5
100	Magnetophotoselection in the Investigation of Excitonically Coupled Chromophores: The Case of the Water-Soluble Chlorophyll Protein. <i>Molecules</i> , 2022, 27, 3654.	1.7	5
101	Zero-field ODMR studies of excited triplets in the B-TCNB crystal. <i>Chemical Physics Letters</i> , 1990, 167, 78-84.	1.2	4
102	Optically detected magnetic resonance of intact membranes from <i>Chloroflexus aurantiacus</i> . Evidence for exciton interaction between the RC and the B808-866 complex. <i>Photosynthesis Research</i> , 2002, 71, 45-57.	1.6	4
103	A structural model for the assembly of the reaction centre and the B808-866 complex in the membranes of <i>Chloroflexus aurantiacus</i> based on the calculation of the triplet minus singlet spectrum of the primary donor. <i>Chemical Physics</i> , 2003, 294, 267-275.	0.9	4
104	Changes in the fraction of strongly attached cross bridges in mouse atrophic and hypertrophic muscles as revealed by continuous wave electron paramagnetic resonance. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 316, C722-C730.	2.1	4
105	Disclosing the Molecular Mechanism of Iron Incorporation in <i>Listeria innocua</i> Dps by EPR Spectroscopy. <i>Applied Magnetic Resonance</i> , 2020, 51, 1543-1557.	0.6	4
106	Nature of the Ligand-Centered Triplet State in Gd <sup>3+</sup> -Diketonate Complexes as Revealed by Time-Resolved EPR Spectroscopy and DFT Calculations. <i>Inorganic Chemistry</i> , 2021, 60, 15141-15150.	1.9	4
107	A conformational study of the GTPase domain of [FeFe]-hydrogenase maturation protein HydF by PELDOR spectroscopy. <i>Applied Magnetic Resonance</i> , 2015, 46, 465-479.	0.6	3
108	Changing the site energy of per-614 in the Peridinin-chlorophyll a-protein does not alter its capability of chlorophyll triplet quenching. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 612-618.	0.5	3

#	ARTICLE	IF	CITATIONS
109	Differential sensitivity to oxygen among the bacteriochlorophylls g in the type-I reaction centers of <i>Heliobacterium modesticaldum</i> . <i>Photochemical and Photobiological Sciences</i> , 2021, 20, 747-759.	1.6	3
110	A Combined Spectroscopic and In Silico Approach to Evaluate the Interaction of Human Frataxin with Mitochondrial Superoxide Dismutase. <i>Biomedicines</i> , 2021, 9, 1763.	1.4	3
111	The Energy Transfer Yield between Carotenoids and Chlorophylls in Peridinin Chlorophyll a Protein Is Robust against Mutations. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5067.	1.8	3
112	EPR-detected photoinduced electron transfer in three structurally related molecular triads. <i>Applied Magnetic Resonance</i> , 2006, 30, 555-576.	0.6	2
113	Light-Induced Porphyrin-Based Spectroscopic Ruler for Nanometer Distance Measurements. <i>Chemistry - A European Journal</i> , 2016, 22, 17059-17059.	1.7	2
114	Photo-induced spin switching in a modified anthraquinone modulated by DNA binding. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 2199-2207.	1.6	2
115	Electron Nuclear Double Resonance of the Chlorophyll Triplet State in the Water-Soluble Chlorophyll Protein from <i>Brassica oleracea</i> : Investigation of the Effect of the Binding Site on the Hyperfine Couplings. <i>Applied Magnetic Resonance</i> , 2020, 51, 925-937.	0.6	2
116	Reliability of Blue-Emitting Eu <sup>2+</sup> -Doped Phosphors for Laser-Lighting Applications. <i>Materials</i> , 2018, 11, 1552.	1.3	1
117	Time evolution of the ODMR spectrum of an X-Trap triplet in Biphenyl-TCNB crystal. <i>Applied Magnetic Resonance</i> , 1991, 2, 229-240.	0.6	0
118	Giovanni Giacometti: On the Occasion of His 85th Birthday. <i>Applied Magnetic Resonance</i> , 2015, 46, 357-358.	0.6	0