# Dariusz M Niedzwiedzki

List of Publications by Year
in descending order



| 128 | 4,564 | 117571 | 128225 |
|---|---|---|---|
| papers | citations | 34 h-index | 60 g-index |

| 131 | 131 | 131 | 4874 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Ability of the Putative Decomposition Products of 2,3â€dioxetanes of Indoles to Photosensitize Cyclobutane Pyrimidine Dimer (CPD) Formation and its Implications for the â€œDarkâ€•(Chemisensitized) Pathway to CPDs in Melanocytes<sup>â€</sup>. Photochemistry and Photobiology, 2022, 98, 442-454. | 1.3 | 6 |
| 2 | Exciton Binding Energy of MAPbI<sub>3</sub> Thin Film Elucidated via Analysis and Modeling of Perovskite Absorption and Photoluminescence Properties Using Various Methodologies. Journal of Physical Chemistry C, 2022, 126, 1046-1054. | 1.5 | 18 |
| 3 | Excited-state properties of newly sensitized imidazole-arylamine-based organic DSSC sensitizers in solvent and adsorbed on TiO2/FTO support. Dyes and Pigments, 2022, 202, 110273. | 2.0 | 1 |
| 4 | Introduction of cysteine-mediated quenching in the CP43 protein of photosystem II builds resilience to high-light stress in a cyanobacterium. Biochimica Et Biophysica Acta - Bioenergetics, 2022, 1863, 148580. | 0.5 | 3 |
| 5 | Structures of Rhodopseudomonas palustris RC-LH1 complexes with open or closed quinone channels. Science Advances, 2021, 7, . | 4.7 | 38 |
| 6 | A Novel Mode of Photoprotection Mediated by a Cysteine Residue in the Chlorophyll Protein IsiA. MBio, 2021, 12, . | 1.8 | 8 |
| 7 | Conjugated-linker dependence of the photophysical properties and electronic structure of chlorin dyads. Journal of Porphyrins and Phthalocyanines, 2021, 25, 639-663. | 0.4 | 4 |
| 8 | Electronic Structure and Excited-State Dynamics of Ryleneâ€“Tetrapyrrole Panchromatic Absorbers. Journal of Physical Chemistry A, 2021, 125, 7900-7919. | 1.1 | 7 |
| 9 | Spectroscopic investigations of electron and hole dynamics in MAPbBr<sub>3</sub> perovskite film and carrier extraction to PEDOT hole transport layer. Physical Chemistry Chemical Physics, 2021, 23, 13011-13022. | 1.3 | 6 |
| 10 | Photophysical properties of N719 and Z907 dyes, benchmark sensitizers for dye-sensitized solar cells, at room and low temperature. Physical Chemistry Chemical Physics, 2021, 23, 6182-6189. | 1.3 | 13 |
| 11 | Carotenoid-to-(bacterio)chlorophyll energy transfer in LH2 antenna complexes from Rba. sphaeroides reconstituted with non-native (bacterio)chlorophylls. Photosynthesis Research, 2020, 144, 155-169. | 1.6 | 6 |
| 12 | Extensive remodeling of the photosynthetic apparatus alters energy transfer among photosynthetic complexes when cyanobacteria acclimate to far-red light. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148064. | 0.5 | 46 |
| 13 | Performance enhancement of low temperature processed tin oxide as an electron transport layer for perovskite solar cells under ambient conditions. International Journal of Energy Research, 2020, 44, 11361-11371. | 2.2 | 7 |
| 14 | Photophysical Properties and Electronic Structure of Zinc(II) Porphyrins Bearing 0â€“4 meso-Phenyl Substituents: Zinc Porphine to Zinc Tetraphenylporphyrin (ZnTPP). Journal of Physical Chemistry A, 2020, 124, 7776-7794. | 1.1 | 28 |
| 15 | ((Z)-2-Cyano-3-(4-((E)-2-(6-(4-methoxyphenyl)-9-octyl-9H-carbazol-3-yl)vinyl)phenyl)acrylic) Tj ETQq1 1 0.784314 rg<br>(N719 and Z907) Dyes and Photoinduced Charge Transfer Processes in FTO/TiCl<sub>4</sub>/TiO<sub>2</sub>/Dye Photoanodes Fabricated by Conventional Staining and Potential Assisted Adsorption. Journal of Physical Chemistry A, 2020, 124, 4333-4344. | 1.1 | 3 |
| 16 | A photosynthetic antenna complex foregoes unity carotenoid-to-bacteriochlorophyll energy transfer efficiency to ensure photoprotection. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 6502-6508. | 3.3 | 25 |
| 17 | Binding of red form of Orange Carotenoid Protein (OCP) to phycobilisome is not sufficient for quenching. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148155. | 0.5 | 5 |
| 18 | A novel chlorophyll protein complex in the repair cycle of photosystem II. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21907-21913. | 3.3 | 34 |

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|---|---|---|---|
| 19 | Mapping the excitation energy migration pathways in phycobilisomes from the cyanobacterium Acaryochloris marina. Biochimica Et Biophysica Acta - Bioenergetics, 2019, 1860, 286-296. | 0.5 | 14 |
| 20 | Engineering of B800 bacteriochlorophyll binding site specificity in the Rhodobacter sphaeroides LH2 antenna. Biochimica Et Biophysica Acta - Bioenergetics, 2019, 1860, 209-223. | 0.5 | 36 |
| 21 | Excitation energy transfer in the far-red absorbing violaxanthin/vaucheriaxanthin chlorophyll a complex from the eustigmatophyte alga FP5. Photosynthesis Research, 2019, 140, 337-354. | 1.6 | 9 |
| 22 | Annulated bacteriochlorins for near-infrared photophysical studies. New Journal of Chemistry, 2019, 43, 7209-7232. | 1.4 | 16 |
| 23 | New molecular design for blue BODIPYs. New Journal of Chemistry, 2019, 43, 7233-7242. | 1.4 | 7 |
| 24 | Excitation Energy Transfer in Intact CpcL-Phycobilisomes from Synechocystis sp. PCC 6803. Journal of Physical Chemistry B, 2019, 123, 4695-4704. | 1.2 | 10 |
| 25 | Crystal reorientation in methylammonium lead iodide perovskite thin film with thermal annealing. Journal of Materials Chemistry A, 2019, 7, 12790-12799. | 5.2 | 41 |
| 26 | Nonequilibrium Plasma Aerotaxy of InN Nanocrystals and Their Photonic Properties. Journal of Physical Chemistry C, 2019, 123, 30613-30622. | 1.5 | 13 |
| 27 | Expanding Covalent Attachment Sites of Nonnative Chromophores to Encompass the Câ€Terminal Hydrophilic Domain in Biohybrid Lightâ€Harvesting Architectures. ChemPhotoChem, 2018, 2, 300-313. | 1.5 | 2 |
| 28 | Structural heterogeneity leads to functional homogeneity in A. marina phycocyanin. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 544-553. | 0.5 | 23 |
| 29 | Adaptation of Rhodopseudomonas acidophila strain 7050 to growth at different light intensities: what are the benefits to changing the type of LH2?. Faraday Discussions, 2018, 207, 471-489. | 1.6 | 14 |
| 30 | Characterization of a newly isolated freshwater Eustigmatophyte alga capable of utilizing far-red light as its sole light source. Photosynthesis Research, 2018, 135, 177-189. | 1.6 | 34 |
| 31 | Origin of Panchromaticity in Multichromophoreâ€“Tetrapyrrole Arrays. Journal of Physical Chemistry A, 2018, 122, 7181-7201. | 1.1 | 20 |
| 32 | Amorphous Cu2-Î´O as Passivation Layer for Ultra Long Stability of Copper Oxide Nanowires in Photoelectrochemical Environments. Journal of the Electrochemical Society, 2018, 165, H417-H424. | 1.3 | 3 |
| 33 | Energy transfer in purple bacterial photosynthetic units from cells grown in various light intensities. Photosynthesis Research, 2018, 137, 389-402. | 1.6 | 8 |
| 34 | Excited-state properties of the central-cis isomer of the carotenoid peridinin. Archives of Biochemistry and Biophysics, 2018, 649, 29-36. | 1.4 | 6 |
| 35 | Excitation energy transfer kinetics and efficiency in phototrophic green sulfur bacteria. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 1180-1190. | 0.5 | 13 |
| 36 | Highly Stable Perovskite Solar Cells Fabricated Under Humid Ambient Conditions. IEEE Journal of Photovoltaics, 2017, 7, 532-538. | 1.5 | 23 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Augmenting light coverage for photosynthesis through YFP-enhanced charge separation at the Rhodobacter sphaeroides reaction centre. Nature Communications, 2017, 8, 13972. | 5.8 | 40 |
| 38 | Reevaluating the mechanism of excitation energy regulation in iron-starved cyanobacteria. Biochimica Et Biophysica Acta - Bioenergetics, 2017, 1858, 249-258. | 0.5 | 26 |
| 39 | Electrosprayâ€Assisted Fabrication of Moistureâ€Resistant and Highly Stable Perovskite Solar Cells at Ambient Conditions. Advanced Energy Materials, 2017, 7, 1700210. | 10.2 | 51 |
| 40 | Ultrafast Spectroscopic Investigation of Energy Transfer in Site-Directed Mutants of the Fennaâ€“Matthewsâ€“Olson (FMO) Antenna Complex from Chlorobaculum tepidum. Journal of Physical Chemistry B, 2017, 121, 4700-4712. | 1.2 | 11 |
| 41 | Photophysical Characterization of the Naturally Occurring Dioxobacteriochlorin Tolyporphin A and Synthetic Oxobacteriochlorin Analogues. Photochemistry and Photobiology, 2017, 93, 1204-1215. | 1.3 | 24 |
| 42 | Polymerâ€“Chlorosome Nanocomposites Consisting of Non-Native Combinations of Self-Assembling Bacteriochlorophylls. Langmuir, 2017, 33, 6427-6438. | 1.6 | 17 |
| 43 | Origin of the S* Excited State Feature of Carotenoids in Light-Harvesting Complex 1 from Purple Photosynthetic Bacteria. Journal of Physical Chemistry B, 2017, 121, 7571-7585. | 1.2 | 13 |
| 44 | Repurposing a photosynthetic antenna protein as a super-resolution microscopy label. Scientific Reports, 2017, 7, 16807. | 1.6 | 1 |
| 45 | Tailoring Panchromatic Absorption and Excited-State Dynamics of Tetrapyrroleâ€“Chromophore (Bodipy, Rylene) Arraysâ€”Interplay of Orbital Mixing and Configuration Interaction. Journal of the American Chemical Society, 2017, 139, 17547-17564. | 6.6 | 34 |
| 46 | New insights into the photochemistry of carotenoid spheroidenone in light-harvesting complex 2 from the purple bacterium Rhodobacter sphaeroides. Photosynthesis Research, 2017, 131, 291-304. | 1.6 | 21 |
| 47 | Photophysical Properties and Electronic Structure of Porphyrins Bearing Zero to Four meso-Phenyl Substituents: New Insights into Seemingly Well Understood Tetrapyrroles. Journal of Physical Chemistry A, 2016, 120, 9719-9731. | 1.1 | 75 |
| 48 | Evaluating the Nature of So-Called S*-State Feature in Transient Absorption of Carotenoids in Light-Harvesting Complex 2 (LH2) from Purple Photosynthetic Bacteria. Journal of Physical Chemistry B, 2016, 120, 11123-11131. | 1.2 | 15 |
| 49 | Fast Photochemical Oxidation of Proteins Maps the Topology of Intrinsic Membrane Proteins: Light-Harvesting Complex 2 in a Nanodisc. Analytical Chemistry, 2016, 88, 8827-8834. | 3.2 | 56 |
| 50 | Evidence for a cysteine-mediated mechanism of excitation energy regulation in a photosynthetic antenna complex. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4486-93. | 3.3 | 45 |
| 51 | Quenching Capabilities of Long-Chain Carotenoids in Light-Harvesting-2 Complexes from Rhodobacter sphaeroides with an Engineered Carotenoid Synthesis Pathway. Journal of Physical Chemistry B, 2016, 120, 5429-5443. | 1.2 | 22 |
| 52 | Carotenoid-induced non-photochemical quenching in the cyanobacterial chlorophyll synthaseâ€“HliC/D complex. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 1430-1439. | 0.5 | 54 |
| 53 | Carotenoid-to-Bacteriochlorophyll Energy Transfer in the LH1â€“RC Core Complex of a Bacteriochlorophyll b Containing Purple Photosynthetic Bacterium Blastochloris viridis. Journal of Physical Chemistry B, 2016, 120, 5159-5171. | 1.2 | 10 |
| 54 | Spectral heterogeneity and carotenoid-to-bacteriochlorophyll energy transfer in LH2 light-harvesting complexes from Allochromatium vinosum. Photosynthesis Research, 2016, 127, 171-187. | 1.6 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Effects of Strong Electronic Coupling in Chlorin and Bacteriochlorin Dyads. Journal of Physical Chemistry A, 2016, 120, 379-395. | 1.1 | 28 |
| 56 | Spectroscopic Investigation of the Carotenoid Deoxyperidinin: Direct Observation of the Forbidden S<sub>0</sub> â†' S<sub>1</sub> Transition. Journal of Physical Chemistry B, 2016, 120, 2731-2744. | 1.2 | 20 |
| 57 | Synthetic bacteriochlorins bearing polar motifs (carboxylate, phosphonate, ammonium and a short) Tj ETQq1 1 0.784314 rgBT /Overl<br>2015, 39, 5694-5714. | 1.4 | 25 |
| 58 | Surface Engineered CuO Nanowires with ZnO Islands for CO<sub>2</sub> Photoreduction. ACS Applied Materials & Interfaces, 2015, 7, 5685-5692. | 4.0 | 100 |
| 59 | Self-Assembled Light-Harvesting System from Chromophores in Lipid Vesicles. Journal of Physical Chemistry B, 2015, 119, 10231-10243. | 1.2 | 35 |
| 60 | Dynamics of Energy and Electron Transfer in the FMO-Reaction Center Core Complex from the Phototrophic Green Sulfur Bacterium Chlorobaculum tepidum. Journal of Physical Chemistry B, 2015, 119, 8321-8329. | 1.2 | 31 |
| 61 | Functional characteristics of spirilloxanthin and keto-bearing Analogues in light-harvesting LH2 complexes from Rhodobacter sphaeroides with a genetically modified carotenoid synthesis pathway. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 640-655. | 0.5 | 20 |
| 62 | Excited state lifetimes and energies of okenone and chlorobactene, exemplary keto and non-keto aryl carotenoids. Physical Chemistry Chemical Physics, 2015, 17, 13245-13256. | 1.3 | 4 |
| 63 | Extending the Short and Long Wavelength Limits of Bacteriochlorin Near-Infrared Absorption via Dioxo- and Bisimide-Functionalization. Journal of Physical Chemistry B, 2015, 119, 4382-4395. | 1.2 | 55 |
| 64 | Assembly of functional photosystem complexes in Rhodobacter sphaeroides incorporating carotenoids from the spirilloxanthin pathway. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 189-201. | 0.5 | 84 |
| 65 | Enhanced Lightâ€Harvesting Capacity by Micellar Assembly of Free Accessory Chromophores and LH1â€like Antennas. Photochemistry and Photobiology, 2014, 90, 1264-1276. | 1.3 | 11 |
| 66 | Spectroscopic properties of the Chlorophyll aâ€"Chlorophyll c 2â€"Peridinin-Protein-Complex (acpPC) from the coral symbiotic dinoflagellate Symbiodinium. Photosynthesis Research, 2014, 120, 125-139. | 1.6 | 44 |
| 67 | Excited state properties of chlorophyll f in organic solvents at ambient and cryogenic temperatures. Photosynthesis Research, 2014, 121, 25-34. | 1.6 | 26 |
| 68 | Excited State Properties of 3â€²-Hydroxyechinenone in Solvents and in the Orange Carotenoid Protein from Synechocystis sp. PCC 6803. Journal of Physical Chemistry B, 2014, 118, 6141-6149. | 1.2 | 26 |
| 69 | Intensity Dependence of the Excited State Lifetimes and Triplet Conversion Yield in the Fennaâ€"Matthewsâ€"Olson Antenna Protein. Journal of Physical Chemistry B, 2014, 118, 2058-2069. | 1.2 | 18 |
| 70 | Molecular Mechanism of Photoactivation and Structural Location of the Cyanobacterial Orange Carotenoid Protein. Biochemistry, 2014, 53, 13-19. | 1.2 | 92 |
| 71 | Probing Electronic Communication for Efficient Light-Harvesting Functionality: Dyads Containing a Common Perylene and a Porphyrin, Chlorin, or Bacteriochlorin. Journal of Physical Chemistry B, 2014, 118, 1630-1647. | 1.2 | 22 |
| 72 | Amphiphilic, hydrophilic, or hydrophobic synthetic bacteriochlorins in biohybrid light-harvesting architectures: consideration of molecular designs. Photosynthesis Research, 2014, 122, 187-202. | 1.6 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Photophysical Properties of the Excited States of Bacteriochlorophyll f in Solvents and in Chlorosomes. Journal of Physical Chemistry B, 2014, 118, 2295-2305. | 1.2 | 24 |
| 74 | Characterisation of the LH2 spectral variants produced by the photosynthetic purple sulphur bacterium Allochromatium vinosum. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1849-1860. | 0.5 | 31 |
| 75 | Photophysical properties and electronic structure of retinylideneâ€"chlorinâ€"chalcones and analogues. Photochemical and Photobiological Sciences, 2014, 13, 634-650. | 1.6 | 12 |
| 76 | Triplet Excited State Energies and Phosphorescence Spectra of (Bacterio)Chlorophylls. Journal of Physical Chemistry B, 2014, 118, 7221-7232. | 1.2 | 41 |
| 77 | Excited state properties of a short Ï€-electron conjugated peridinin analogue. Chemical Physics Letters, 2014, 593, 132-139. | 1.2 | 14 |
| 78 | Photophysical properties of a synthetic, carbonyl-containing (N=6+CO) carotenoid analogue. Chemical Physics Letters, 2014, 601, 74-80. | 1.2 | 2 |
| 79 | Versatile design of biohybrid light-harvesting architectures to tune location, density, and spectral coverage of attached synthetic chromophores for enhanced energy capture. Photosynthesis Research, 2014, 121, 35-48. | 1.6 | 32 |
| 80 | Distinct Photophysical and Electronic Characteristics of Strongly Coupled Dyads Containing a Perylene Accessory Pigment and a Porphyrin, Chlorin, or Bacteriochlorin. Journal of Physical Chemistry B, 2013, 117, 9288-9304. | 1.2 | 36 |
| 81 | Palette of lipophilic bioconjugatable bacteriochlorins for construction of biohybrid light-harvesting architectures. Chemical Science, 2013, 4, 2036. | 3.7 | 47 |
| 82 | Integration of multiple chromophores with native photosynthetic antennas to enhance solar energy capture and delivery. Chemical Science, 2013, 4, 3924. | 3.7 | 37 |
| 83 | Phycobilisomes Supply Excitations to Both Photosystems in a Megacomplex in Cyanobacteria. Science, 2013, 342, 1104-1107. | 6.0 | 299 |
| 84 | Metalloproteins Diversified: The Auracyanins Are a Family of Cupredoxins That Stretch the Spectral and Redox Limits of Blue Copper Proteins. Biochemistry, 2013, 52, 8267-8275. | 1.2 | 21 |
| 85 | Photophysical Properties and Electronic Structure of Bacteriochlorinâ€"Chalcones with Extended Nearâ€Infrared Absorption. Photochemistry and Photobiology, 2013, 89, 586-604. | 1.3 | 21 |
| 86 | Computational determination of the pigment binding motif in the chlorosome protein a of green sulfur bacteria. Photosynthesis Research, 2013, 118, 231-247. | 1.6 | 4 |
| 87 | Spectroscopic insights into the decreased efficiency of chlorosomes containing bacteriochlorophyll f. Biochimica Et Biophysica Acta - Bioenergetics, 2013, 1827, 493-501. | 0.5 | 30 |
| 88 | Excited States Energies and Dynamics of Peridinin Analogues and the Nature of the Intramolecular Charge Transfer State in Carbonyl-Containing Carotenoids. Journal of Physical Chemistry B, 2013, 117, 6874-6887. | 1.2 | 33 |
| 89 | Amphiphilic chlorins and bacteriochlorins in micellar environments. Molecular design, de novo synthesis, and photophysical properties. Chemical Science, 2013, 4, 3459. | 3.7 | 32 |
| 90 | Low-Temperature Spectroscopic Properties of the Peridininâ€"Chlorophyll aâ€"Protein (PCP) Complex from the Coral Symbiotic Dinoflagellate Symbiodinium. Journal of Physical Chemistry B, 2013, 117, 11091-11099. | 1.2 | 34 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Activatable Probes Based on Distanceâ€Dependent Luminescence Associated with Cerenkov Radiation. Angewandte Chemie - International Edition, 2013, 52, 7756-7760. | 7.2 | 36 |
| 92 | Enhanced Carbon Dioxide Photoconversion Efficiency by 1D Structured Platinized TiO2 Films. ECS Transactions, 2013, 58, 305-309. | 0.3 | 0 |
| 93 | Role of Pt Nanoparticles in Photoreactions on TiO2 Photoelectrodes. Materials Research Society Symposia Proceedings, 2012, 1446, 85. | 0.1 | 0 |
| 94 | Biohybrid Photosynthetic Antenna Complexes for Enhanced Light-Harvesting. Journal of the American Chemical Society, 2012, 134, 4589-4599. | 6.6 | 87 |
| 95 | Generation of Phosphorescent Triplet States via Photoinduced Electron Transfer: Energy and Electron Transfer Dynamics in Pt Porphyrinâ€“Rhodamine B Dyads. Journal of Physical Chemistry A, 2012, 116, 3598-3610. | 1.1 | 36 |
| 96 | Size and Structure Matter: Enhanced CO<sub>2</sub> Photoreduction Efficiency by Size-Resolved Ultrafine Pt Nanoparticles on TiO<sub>2</sub> Single Crystals. Journal of the American Chemical Society, 2012, 134, 11276-11281. | 6.6 | 691 |
| 97 | Spectroscopic studies of two spectral variants of light-harvesting complex 2 (LH2) from the photosynthetic purple sulfur bacterium Allochromatium vinosum. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 1576-1587. | 0.5 | 50 |
| 98 | Singlet and Triplet State Spectra and Dynamics of Structurally Modified Peridinins. Journal of Physical Chemistry B, 2011, 115, 4436-4445. | 1.2 | 22 |
| 99 | Energy transfer in an LH4-like light harvesting complex from the aerobic purple photosynthetic bacterium Roseobacter denitrificans. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 518-528. | 0.5 | 22 |
| 100 | Triplet excited state spectra and dynamics of carotenoids from the thermophilic purple photosynthetic bacterium Thermochromatium tepidum. Photosynthesis Research, 2011, 107, 177-186. | 1.6 | 27 |
| 101 | Ultrafast time-resolved spectroscopy of the light-harvesting complex 2 (LH2) from the photosynthetic bacterium Thermochromatium tepidum. Photosynthesis Research, 2011, 110, 49-60. | 1.6 | 18 |
| 102 | Triplet state spectra and dynamics of peridinin analogs having different extents of Ï€-electron conjugation. Photosynthesis Research, 2010, 103, 167-174. | 1.6 | 16 |
| 103 | Singlet and triplet excited state properties of natural chlorophylls and bacteriochlorophylls. Photosynthesis Research, 2010, 106, 227-238. | 1.6 | 112 |
| 104 | Ultrafast time-resolved absorption spectroscopy of geometric isomers of xanthophylls. Chemical Physics, 2010, 373, 80-89. | 0.9 | 47 |
| 105 | Spectroscopic Studies of Carotenoid-to-Bacteriochlorophyll Energy Transfer in LHRC Photosynthetic Complex from Roseiflexus castenholzii 1 Resubmitted to J Phys Chem B.. Journal of Physical Chemistry B, 2010, 114, 8723-8734. | 1.2 | 16 |
| 106 | X-ray Crystal Structure and Time-Resolved Spectroscopy of the Blue Carotenoid Violerythrin. Journal of Physical Chemistry B, 2010, 114, 8760-8769. | 1.2 | 19 |
| 107 | Ultrafast energy transfer within pyropheophorbide-a tethered to self-assembling DNA quadruplex. Chemical Communications, 2010, 46, 544-546. | 2.2 | 10 |
| 108 | Syntheses of ylidenbutenolide-modified derivatives of peridinin and their stereochemical and spectral characteristics. Organic and Biomolecular Chemistry, 2010, 8, 2513. | 1.5 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Stabilization of fluorophore in DNA thin films. Applied Physics Letters, 2009, 95, . | 1.5 | 13 |
| 110 | Identification of a single peridinin sensing Chl- a excitation in reconstituted PCP by crystallography and spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20764-20769. | 3.3 | 69 |
| 111 | Stepwise Conversion of Two Pyrrole Moieties of Octaethylporphyrin to Pyridinâ€3â€one: Synthesis, Mass Spectral, and Photophysical Properties of Mono and Bis(oxypyri)porphyrins. Chemistry - A European Journal, 2009, 15, 5749-5762. | 1.7 | 47 |
| 112 | Ultrafast time-resolved absorption spectroscopy of geometric isomers of carotenoids. Chemical Physics, 2009, 357, 4-16. | 0.9 | 54 |
| 113 | Spectroscopic Investigation of Peridinin Analogues Having Different Ï€-Electron Conjugated Chain Lengths: Exploring the Nature of the Intramolecular Charge Transfer State. Journal of Physical Chemistry B, 2009, 113, 13604-13612. | 1.2 | 61 |
| 114 | Syntheses of C33-, C35-, and C39-Peridinin and Their Spectral Characteristics. Organic Letters, 2009, 11, 5006-5009. | 2.4 | 21 |
| 115 | Effect of structural modifications on the spectroscopic properties and dynamics of the excited states of peridinin. Archives of Biochemistry and Biophysics, 2009, 483, 146-155. | 1.4 | 22 |
| 116 | Ultrafast time-resolved absorption spectroscopy of geometric isomers of carotenoids. Chemical Physics, 2009, 357, 4. | 0.9 | 1 |
| 117 | Effect of Ï€-electron conjugation length on the solvent-dependent S1 lifetime of peridinin. Chemical Physics Letters, 2008, 463, 219-224. | 1.2 | 35 |
| 118 | Ultrafast Time-Resolved Carotenoid to-Bacteriochlorophyll Energy Transfer in LH2 Complexes from Photosynthetic Bacteria. Journal of Physical Chemistry B, 2008, 112, 10689-10703. | 1.2 | 94 |
| 119 | Ultrafast Time-Resolved Spectroscopy of Xanthophylls at Low Temperature. Journal of Physical Chemistry B, 2008, 112, 3558-3567. | 1.2 | 52 |
| 120 | Ultrafast Dynamics and Excited State Spectra of Open-Chain Carotenoids at Room and Low Temperatures. Journal of Physical Chemistry B, 2007, 111, 5984-5998. | 1.2 | 141 |
| 121 | Role of B800 in Carotenoidâ^'Bacteriochlorophyll Energy and Electron Transfer in LH2 Complexes from the Purple BacteriumRhodobactersphaeroides. Journal of Physical Chemistry B, 2007, 111, 7422-7431. | 1.2 | 22 |
| 122 | Cation radicals of xanthophylls. Photosynthesis Research, 2007, 94, 67-78. | 1.6 | 31 |
| 123 | Femtosecond Time-Resolved Transient Absorption Spectroscopy of Xanthophylls. Journal of Physical Chemistry B, 2006, 110, 22872-22885. | 1.2 | 133 |
| 124 | Structures and functions of carotenoids bound to reaction centers from purple photosynthetic bacteria. Pure and Applied Chemistry, 2006, 78, 1505-1518. | 0.9 | 8 |
| 125 | Temperature-induced isomerization of violaxanthin in organic solvents and in light-harvesting complex II. Journal of Photochemistry and Photobiology B: Biology, 2005, 78, 109-114. | 1.7 | 25 |
| 126 | Voltammetric redox potentials of carotenoids associated with the xanthophyll cycle in photosynthesis. Chemical Physics Letters, 2005, 415, 308-312. | 1.2 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Towards elucidating the energy of the first excited singlet state of xanthophyll cycle pigments by X-ray absorption spectroscopy. Biochimica Et Biophysica Acta - Bioenergetics, 2005, 1708, 102-107. | 0.5 | 7 |
| 128 | Interaction between chlorophyll a and violaxanthin in different steric conformations. Colloids and Surfaces B: Biointerfaces, 2003, 28, 27-38. | 2.5 | 14 |