# List of Publications by Year in descending order

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|---|---|---|---|
| 207 papers | 20,782 citations | 10650 74 h-index | 11608 140 g-index |
| 212 all docs | 212 docs citations | 212 times ranked | 16518 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Mimicking Photosynthetic Solar Energy Transduction. Accounts of Chemical Research, 2001, 34, 40-48. | 7.6 | 2,052 |
| 2 | Solar Fuels via Artificial Photosynthesis. Accounts of Chemical Research, 2009, 42, 1890-1898. | 7.6 | 1,845 |
| 3 | Molecular mimicry of photosynthetic energy and electron transfer. Accounts of Chemical Research, 1993, 26, 198-205. | 7.6 | 1,021 |
| 4 | Photoassisted Overall Water Splitting in a Visible Light-Absorbing Dye-Sensitized Photoelectrochemical Cell. Journal of the American Chemical Society, 2009, 131, 926-927. | 6.6 | 841 |
| 5 | Light-driven production of ATP catalysed by F0F1-ATP synthase in an artificial photosynthetic membrane. Nature, 1998, 392, 479-482. | 13.7 | 488 |
| 6 | Conversion of light energy to proton potential in liposomes by artificial photosynthetic reaction centres. Nature, 1997, 385, 239-241. | 13.7 | 404 |
| 7 | Serial time-resolved crystallography of photosystem II using a femtosecond X-ray laser. Nature, 2014, 513, 261-265. | 13.7 | 403 |
| 8 | Photoinduced Charge Separation and Charge Recombination to a Triplet State in a Caroteneâ^'Porphyrinâ^'Fullerene Triad. Journal of the American Chemical Society, 1997, 119, 1400-1405. | 6.6 | 356 |
| 9 | Energy and Photoinduced Electron Transfer in Porphyrinâ^'Fullerene Dyads. The Journal of Physical Chemistry, 1996, 100, 15926-15932. | 2.9 | 336 |
| 10 | An Artificial Photosynthetic Antenna-Reaction Center Complex. Journal of the American Chemical Society, 1999, 121, 8604-8614. | 6.6 | 336 |
| 11 | [FeFe]-Hydrogenase-Catalyzed H<sub>2</sub> Production in a Photoelectrochemical Biofuel Cell. Journal of the American Chemical Society, 2008, 130, 2015-2022. | 6.6 | 304 |
| 12 | Photodriven charge separation in a carotenoporphyrinâ€“quinone triad. Nature, 1984, 307, 630-632. | 13.7 | 290 |
| 13 | All-Photonic Multifunctional Molecular Logic Device. Journal of the American Chemical Society, 2011, 133, 11641-11648. | 6.6 | 290 |
| 14 | Improving the efficiency of water splitting in dye-sensitized solar cells by using a biomimetic electron transfer mediator. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15612-15616. | 3.3 | 280 |
| 15 | Molecular switches controlled by light. Chemical Communications, 2006, , 1169-1178. | 2.2 | 274 |
| 16 | PREPARATION AND PHOTOPHYSICAL STUDIES OF PORPHYRINâ€<sub>60</sub> DYADS. Photochemistry and Photobiology, 1994, 60, 537-541. | 1.3 | 249 |
| 17 | Biology and technology for photochemical fuel production. Chemical Society Reviews, 2009, 38, 25-35. | 18.7 | 247 |
| 18 | Photonic Switching of Photoinduced Electron Transfer in a Dithienyletheneâ^'Porphyrinâ^'Fullerene Triad Molecule. Journal of the American Chemical Society, 2002, 124, 7668-7669. | 6.6 | 227 |

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| 19 | Realizing artificial photosynthesis. Faraday Discussions, 2012, 155, 9-26. | 1.6 | 194 |
| 20 | Molecular All-Photonic Encoderâ^'Decoder. Journal of the American Chemical Society, 2008, 130, 11122-11128. | 6.6 | 184 |
| 21 | EPR Investigation of Photoinduced Radical Pair Formation and Decay to a Triplet State in a Caroteneâ^'Porphyrinâ^'Fullerene Triad. Journal of the American Chemical Society, 1998, 120, 4398-4405. | 6.6 | 180 |
| 22 | Photoswitched Singlet Energy Transfer in a Porphyrinâ^'Spiropyran Dyad. Journal of the American Chemical Society, 2001, 123, 7124-7133. | 6.6 | 176 |
| 23 | Efficient Energy Transfer and Electron Transfer in an Artificial Photosynthetic Antennaâ^'Reaction Center Complexâ€. Journal of Physical Chemistry A, 2002, 106, 2036-2048. | 1.1 | 175 |
| 24 | Data and signal processing using photochromic molecules. Chemical Communications, 2012, 48, 1947-1957. | 2.2 | 175 |
| 25 | Energy and Photoinduced Electron Transfer in a Wheel-Shaped Artificial Photosynthetic Antenna-Reaction Center Complex. Journal of the American Chemical Society, 2006, 128, 1818-1827. | 6.6 | 173 |
| 26 | Catalytic Turnover of [FeFe]-Hydrogenase Based on Single-Molecule Imaging. Journal of the American Chemical Society, 2012, 134, 1577-1582. | 6.6 | 172 |
| 27 | Molecule-Based Photonically Switched Half-Adder. Journal of the American Chemical Society, 2004, 126, 15926-15927. | 6.6 | 170 |
| 28 | Electronic Decay Constant of Carotenoid Polyenes from Single-Molecule Measurements. Journal of the American Chemical Society, 2005, 127, 1384-1385. | 6.6 | 170 |
| 29 | Switching of a photochromic molecule on gold electrodes: single-molecule measurements. Nanotechnology, 2005, 16, 695-702. | 1.3 | 168 |
| 30 | Photoinduced Electron Transfer in Carotenoporphyrinâ^'Fullerene Triads:Â Temperature and Solvent Effects. Journal of Physical Chemistry B, 2000, 104, 4307-4321. | 1.2 | 167 |
| 31 | Active transport of Ca2+ by an artificial photosynthetic membrane. Nature, 2002, 420, 398-401. | 13.7 | 167 |
| 32 | A Bioinspired Construct That Mimics the Proton Coupled Electron Transfer between P680<sup>â€¢+</sup> and the Tyr<sub>Z</sub>-His190 Pair of Photosystem II. Journal of the American Chemical Society, 2008, 130, 10466-10467. | 6.6 | 156 |
| 33 | Triplet and singlet energy transfer in carotene-porphyrin dyads: role of the linkage bonds.. Journal of the American Chemical Society, 1992, 114, 3590-3603. | 6.6 | 148 |
| 34 | Comparison of silatrane, phosphonic acid, and carboxylic acid functional groups for attachment of porphyrin sensitizers to TiO2 in photoelectrochemical cells. Physical Chemistry Chemical Physics, 2013, 15, 16605. | 1.3 | 146 |
| 35 | Molecular 2:1 Digital Multiplexer. Angewandte Chemie - International Edition, 2007, 46, 958-961. | 7.2 | 139 |
| 36 | All-Photonic Molecular Half-Adder. Journal of the American Chemical Society, 2006, 128, 16259-16265. | 6.6 | 138 |

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| 37 | Molecular AND and INHIBIT Gates Based on Control of Porphyrin Fluorescence by Photochromes. Journal of the American Chemical Society, 2005, 127, 9403-9409. | 6.6 | 135 |
| 38 | Charge separation in carotenoporphyrin-quinone triads: synthetic, conformational, and fluorescence lifetime studies. Journal of the American Chemical Society, 1987, 109, 846-856. | 6.6 | 133 |
| 39 | A bioinspired redox relay that mimics radical interactions of the Tyrâ€“His pairs of photosystem II. Nature Chemistry, 2014, 6, 423-428. | 6.6 | 133 |
| 40 | Metal-free organic sensitizers for use in water-splitting dye-sensitized photoelectrochemical cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1681-1686. | 3.3 | 133 |
| 41 | STM Contrast, Electron-Transfer Chemistry, and Conduction in Molecules. Journal of Physical Chemistry B, 1997, 101, 10719-10725. | 1.2 | 127 |
| 42 | A simple artificial light-harvesting dyad as a model for excess energy dissipation in oxygenic photosynthesis. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 5343-5348. | 3.3 | 125 |
| 43 | An Allâ€Photonic Molecular Keypad Lock. Chemistry - A European Journal, 2009, 15, 3936-3939. | 1.7 | 125 |
| 44 | Magnetic Switching of Charge Separation Lifetimes in Artificial Photosynthetic Reaction Centers. Journal of the American Chemical Society, 1998, 120, 10880-10886. | 6.6 | 115 |
| 45 | Proton-Coupled Electron Transfer in Artificial Photosynthetic Systems. Accounts of Chemical Research, 2018, 51, 445-453. | 7.6 | 114 |
| 46 | Mimicking the electron transfer chain in photosystem II with a molecular triad thermodynamically capable of water oxidation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15578-15583. | 3.3 | 110 |
| 47 | Photodriven transmembrane charge separation and electron transfer by a carotenoporphyrinâ€“quinone triad. Nature, 1985, 316, 653-655. | 13.7 | 109 |
| 48 | Photonic Switching of Photoinduced Electron Transfer in a Dihydropyreneâ”Porphyrinâ”Fullerene Molecular Triad. Journal of the American Chemical Society, 2004, 126, 4803-4811. | 6.6 | 107 |
| 49 | Electron Transport Properties of a Carotene Molecule in a Metalâ”(Single Molecule)â”Metal Junction. Journal of Physical Chemistry B, 2003, 107, 6162-6169. | 1.2 | 106 |
| 50 | Photoinduced electron and energy transfer in molecular pentads. Journal of the American Chemical Society, 1993, 115, 11141-11152. | 6.6 | 104 |
| 51 | Multiantenna Artificial Photosynthetic Reaction Center Complex. Journal of Physical Chemistry B, 2009, 113, 7147-7155. | 1.2 | 104 |
| 52 | Simple and accurate correlation of experimental redox potentials and DFT-calculated HOMO/LUMO energies of polycyclic aromatic hydrocarbons. Journal of Molecular Modeling, 2013, 19, 2845-2848. | 0.8 | 104 |
| 53 | Photochemistry of supramolecular systems containing C60. Journal of Photochemistry and Photobiology B: Biology, 2000, 58, 63-71. | 1.7 | 101 |
| 54 | Long-lived photoinitiated charge separation in carotene-diporphyrin triad molecules. Journal of the American Chemical Society, 1991, 113, 3638-3649. | 6.6 | 99 |

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| 55 | PHOTOINDUCED ELECTRON TRANSFER IN A CAROTENOBUCKMINSTERFULLERENE DYAD. Photochemistry and Photobiology, 1995, 62, 1009-1014. | 1.3 | 99 |
| 56 | Enzyme-Based Photoelectrochemical Biofuel Cell. Journal of Physical Chemistry B, 2003, 107, 10252-10260. | 1.2 | 94 |
| 57 | Photoinitiated charge separation in a carotenoid-porphyrin-diquinone tetrad: enhanced quantum yields via multistep electron transfers. Journal of the American Chemical Society, 1988, 110, 321-323. | 6.6 | 91 |
| 58 | A Molecule-Based 1:2 Digital Demultiplexer. Journal of Physical Chemistry C, 2007, 111, 14274-14278. | 1.5 | 91 |
| 59 | Porphyrin-Sensitized Nanoparticulate TiO2as the Photoanode of a Hybrid Photoelectrochemical Biofuel Cell. Langmuir, 2004, 20, 8366-8371. | 1.6 | 89 |
| 60 | Ultrafast Photoinduced Electron Transfer in Rigid Porphyrin-Quinone Dyads. Journal of the American Chemical Society, 1995, 117, 7202-7212. | 6.6 | 88 |
| 61 | Conductance of a biomolecular wire. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8686-8690. | 3.3 | 88 |
| 62 | Photodriven electron transfer in triad molecules: a two-step charge-recombination reaction. Journal of the American Chemical Society, 1986, 108, 8028-8031. | 6.6 | 87 |
| 63 | Self-regulation of photoinduced electron transfer by a molecular nonlinear transducer. Nature Nanotechnology, 2008, 3, 280-283. | 15.6 | 87 |
| 64 | Photochemical Synthesis of a Water Oxidation Catalyst Based on Cobalt Nanostructures. Journal of the American Chemical Society, 2011, 133, 16742-16745. | 6.6 | 87 |
| 65 | Synthesis and photochemistry of a caroteneâ€“porphyrinâ€“fullerene model photosynthetic reaction center. Journal of Physical Organic Chemistry, 2004, 17, 724-734. | 0.9 | 86 |
| 66 | Light Harvesting and Photoprotective Functions of Carotenoids in Compact Artificial Photosynthetic Antenna Designs. Journal of Physical Chemistry B, 2004, 108, 414-425. | 1.2 | 86 |
| 67 | Mimicry of antenna and photo-protective carotenoid functions by a synthetic carotenoporphyrin. Nature, 1981, 290, 329-332. | 13.7 | 83 |
| 68 | ENERGY TRANSFER FROM CAROTENOID POLYENES TO PORPHYRINS: A LIGHTâ€HARVESTING ANTENNA. Photochemistry and Photobiology, 1980, 32, 691-695. | 1.3 | 82 |
| 69 | Photochromic Control of Photoinduced Electron Transfer. Molecular Double-Throw Switch. Journal of the American Chemical Society, 2005, 127, 2717-2724. | 6.6 | 81 |
| 70 | Photonic Control of Photoinduced Electron Transfer via Switching of Redox Potentials in a Photochromic Moiety. Journal of Physical Chemistry B, 2004, 108, 1812-1814. | 1.2 | 80 |
| 71 | Concerted One-Electron Two-Proton Transfer Processes in Models Inspired by the Tyr-His Couple of Photosystem II. ACS Central Science, 2017, 3, 372-380. | 5.3 | 80 |
| 72 | Conformationally Constrained Macrocyclic Diporphyrinâ^'Fullerene Artificial Photosynthetic Reaction Center. Journal of the American Chemical Society, 2011, 133, 2944-2954. | 6.6 | 79 |

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| 73 | Structural Effects on Photoinduced Electron Transfer in Carotenoidâ^'Porphyrinâ^'Quinone Triads. Journal of Physical Chemistry B, 1997, 101, 429-440. | 1.2 | 77 |
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| 75 | LIGHT ABSORPTION AND ENERGY TRANSFER IN POLYENEâ€PORPHYRIN ESTERS*. Photochemistry and Photobiology, 1980, 32, 277-280. | 1.3 | 73 |
| 76 | Mimicking the Role of the Antenna in Photosynthetic Photoprotection. Journal of the American Chemical Society, 2011, 133, 2916-2922. | 6.6 | 73 |
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| 78 | Photoinduced electron transfer in Ï€-extended tetrathiafulvaleneâ€“porphyrinâ€“fullerene triad molecules. Journal of Materials Chemistry, 2002, 12, 2100-2108. | 6.7 | 71 |
| 79 | Mimicry of carotenoid photoprotection in artificial photosynthetic reaction centers: triplet-triplet energy transfer by a relay mechanism. Journal of Photochemistry and Photobiology B: Biology, 1998, 43, 209-216. | 1.7 | 70 |
| 80 | Carotenoid Photoprotection in Artificial Photosynthetic Antennas. Journal of the American Chemical Society, 2011, 133, 7007-7015. | 6.6 | 70 |
| 81 | Controlling the efficiency of an artificial light-harvesting complex. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7641-7646. | 3.3 | 67 |
| 82 | Coordinated Photoinduced Electron and Proton Transfer in a Molecular Triad. Journal of the American Chemical Society, 1995, 117, 1657-1658. | 6.6 | 65 |
| 83 | Porphyrin-Based Hole Conducting Electropolymer. Chemistry of Materials, 2008, 20, 135-142. | 3.2 | 65 |
| 84 | Evolution of reaction center mimics to systems capable of generating solar fuel. Photosynthesis Research, 2014, 120, 59-70. | 1.6 | 64 |
| 85 | Energy Transfer, Excited-State Deactivation, and Exciplex Formation in Artificial Caroteno-Phthalocyanine Light-Harvesting Antennasâ€. Journal of Physical Chemistry B, 2007, 111, 6868-6877. | 1.2 | 62 |
| 86 | Effects of Protonation State on a Tyrosineâ^'Histidine Bioinspired Redox Mediatorâ€. Journal of Physical Chemistry B, 2010, 114, 14450-14457. | 1.2 | 61 |
| 87 | Stereodynamics of intramolecular triplet energy transfer in carotenoporphyrins. Journal of the American Chemical Society, 1985, 107, 3631-3640. | 6.6 | 60 |
| 88 | Photoinduced electron transfer in a porphyrin dyad. The Journal of Physical Chemistry, 1993, 97, 7926-7931. | 2.9 | 59 |
| 89 | Solar energy conversion in a photoelectrochemical biofuel cell. Dalton Transactions, 2009, , 9979. | 1.6 | 59 |
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| 93 | Mimicking the photosynthetic triplet energy-transfer relay. Journal of the American Chemical Society, 1993, 115, 5684-5691. | 6.6 | 52 |
| 94 | Entropic Changes Control the Charge Separation Process in Triads Mimicking Photosynthetic Charge Separation. Journal of Physical Chemistry A, 2008, 112, 4215-4223. | 1.1 | 52 |
| 95 | Controlling Proton-Coupled Electron Transfer in Bioinspired Artificial Photosynthetic Relays. Journal of the American Chemical Society, 2018, 140, 15450-15460. | 6.6 | 52 |
| 96 | A carotenoid-porphyrin-diquinone tetrad: synthesis, electrochemistry and photoinitiated electron transfer. Tetrahedron, 1989, 45, 4867-4891. | 1.0 | 51 |
| 97 | A tandem dye-sensitized photoelectrochemical cell for light driven hydrogen production. Energy and Environmental Science, 2016, 9, 1812-1817. | 15.6 | 51 |
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| 99 | 1-(3â€²-amino)propylsilatrane derivatives as covalent surface linkers to nanoparticulate metal oxide films for use in photoelectrochemical cells. Nanotechnology, 2009, 20, 505203. | 1.3 | 49 |
| 100 | Effect of coordinated ligands on interporphyrin photoinduced-electron-transfer rates. The Journal of Physical Chemistry, 1993, 97, 13637-13642. | 2.9 | 48 |
| 101 | Characterization of the Giant Transient Dipole Generated by Photoinduced Electron Transfer in a Caroteneâ^'Porphyrinâ^'Fullerene Molecular Triad. Journal of Physical Chemistry A, 2003, 107, 7567-7573. | 1.1 | 48 |
| 102 | A carotenoid-diporphyrin-quinone model for photosynthetic multistep electron and energy transfer. Journal of the American Chemical Society, 1988, 110, 7567-7569. | 6.6 | 47 |
| 103 | Ultrafast Energy Transfer from a Carotenoid to a Chlorin in a Simple Artificial Photosynthetic Antenna. Journal of Physical Chemistry B, 2002, 106, 9424-9433. | 1.2 | 46 |
| 104 | Artificial Photosynthetic Reaction Center with a Coumarin-Based Antenna System. Journal of Physical Chemistry B, 2013, 117, 11299-11308. | 1.2 | 45 |
| 105 | Pulse radiolytic and electrochemical investigations of intramolecular electron transfer in carotenoporphyrins and carotenoporphyrin-quinone triads. The Journal of Physical Chemistry, 1987, 91, 4831-4835. | 2.9 | 44 |
| 106 | Artificial Photosynthetic Reaction Centers: Mimicking Sequential Electron and Triplet-Energy Transfer. ChemPhysChem, 2005, 6, 2359-2370. | 1.0 | 44 |
| 107 | Marcus Bell-Shaped Electron Transfer Kinetics Observed in an Arrhenius Plot. Journal of the American Chemical Society, 2016, 138, 9251-9257. | 6.6 | 44 |
| 108 | Parameters affecting the chemical work output of a hybrid photoelectrochemical biofuel cell. Photochemical and Photobiological Sciences, 2007, 6, 431. | 1.6 | 43 |

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| 110 | Molecular AND Logic Gate Based on Electric Dichroism of a Photochromic Dihydroindolizine. Angewandte Chemie - International Edition, 2005, 44, 7591-7594. | 7.2 | 41 |
| 111 | Enzyme-assisted Reforming of Glucose to Hydrogen in a Photoelectrochemical CellÂ¶. Photochemistry and Photobiology, 2005, 81, 1015. | 1.3 | 41 |
| 112 | Artificial photosynthetic antennas and reaction centers. Comptes Rendus Chimie, 2017, 20, 296-313. | 0.2 | 41 |
| 113 | Oxidative coupling of porphyrins using copper(ii) salts. Chemical Communications, 2011, 47, 10034. | 2.2 | 39 |
| 114 | MIMICRY OF CAROTENOID FUNCTION IN PHOTOSYNTHESIS: SYNTHESIS AND PHOTOPHYSICAL PROPERTIES OF A CAROTENOPYROPHEOPHORBIDE. Photochemistry and Photobiology, 1982, 36, 641-645. | 1.3 | 38 |
| 115 | Driving Force and Electronic Coupling Effects on Photoinduced Electron Transfer in a Fullerene-based Molecular TriadÂ¶. Photochemistry and Photobiology, 2000, 72, 598. | 1.3 | 38 |
| 116 | Benzene-Templated Model Systems for Photosynthetic Antennaâˆ’Reaction Center Functionâ€. Journal of Physical Chemistry B, 2004, 108, 10256-10265. | 1.2 | 38 |
| 117 | Triplet-triplet energy transfer in B800â€“850 light-harvesting complexes of photosynthetic bacteria and synthetic carotenoporphyrin molecules investigated by electron spin resonance. Biochimica Et Biophysica Acta - Bioenergetics, 1987, 892, 253-263. | 0.5 | 37 |
| 118 | Photoinduced Long-Lived Charge Separation in a Tetrathiafulvaleneâˆ’Porphyrinâˆ’Fullerene Triad Detected by Time-Resolved Electron Paramagnetic Resonance. Journal of Physical Chemistry B, 2005, 109, 14401-14409. | 1.2 | 37 |
| 119 | Two-Photon Study on the Electronic Interactions between the First Excited Singlet States in Carotenoidâˆ’Tetrapyrrole Dyads. Journal of Physical Chemistry A, 2011, 115, 4082-4091. | 1.1 | 35 |
| 120 | Aryl Ring Rotation in Porphyrins. A Carbon-13 NMR Spinâˆ’Lattice Relaxation Time Study. Journal of Physical Chemistry B, 1997, 101, 458-465. | 1.2 | 34 |
| 121 | Photochemistry of Artificial Photosynthetic Reaction Centers in Liquid Crystals Probed by Multifrequency EPR (9.5 and 95 GHz). Journal of the American Chemical Society, 2004, 126, 17074-17086. | 6.6 | 34 |
| 122 | A photo- and electrochemically-active porphyrinâ€“fullerene dyad electropolymer. Photochemical and Photobiological Sciences, 2010, 9, 890-900. | 1.6 | 34 |
| 123 | Contrasting Photoinduced Electron-Transfer Properties of Two Closely Related, Rigidly Linked Porphyrinâˆ’Quinone Dyads. Journal of Physical Chemistry A, 1998, 102, 5512-5519. | 1.1 | 33 |
| 124 | Proton-Coupled Electron Transfer Drives Long-Range Proton Translocation in Bioinspired Systems. Journal of the American Chemical Society, 2019, 141, 14057-14061. | 6.6 | 33 |
| 125 | Stable Binding of Isothiocyanoporphyrin Molecules to Au(111):Â An STM Study. Langmuir, 1996, 12, 5742-5744. | 1.6 | 32 |
| 126 | Stepwise Sequential and Parallel Photoinduced Charge Separation in a Porphyrinâˆ’Triquinone Tetradâ€. Journal of Physical Chemistry A, 2003, 107, 3567-3575. | 1.1 | 32 |

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| 127 | Correlation of fluorescence quenching in carotenoporphyrin dyads with the energy of intramolecular charge transfer states. Effect of the number of conjugated double bonds of the carotenoid moiety. Physical Chemistry Chemical Physics, 2003, 5, 469-475. | 1.3 | 32 |
| 128 | Carotenoids as electron or excited-state energy donors in artificial photosynthesis: an ultrafast investigation of a carotenoporphyrin and a carotenofullerene dyad. Physical Chemistry Chemical Physics, 2013, 15, 4775. | 1.3 | 31 |
| 129 | The Photochemistry of Carotenoids: Some Photosynthetic and Photomedical Aspects. Annals of the New York Academy of Sciences, 1993, 691, 32-47. | 1.8 | 26 |
| 130 | Photoinduced Hole Transfer from the Triplet State in a Porphyrin-Based Donorâ^'Bridgeâ^'Acceptor System. Journal of Physical Chemistry A, 2003, 107, 8825-8833. | 1.1 | 26 |
| 131 | Photonic Modulation of Electron Transfer with Switchable Phase Inversion. Journal of Physical Chemistry A, 2013, 117, 607-615. | 1.1 | 26 |
| 132 | NMR spectra of carotenoporphyrins. Computer-assisted conformational analysis. Magnetic Resonance in Chemistry, 1984, 22, 39-46. | 0.7 | 25 |
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| 135 | CharacterizationÂofÂProtonÂTransportÂacrossÂaÂWaveguide-SupportedÂLipidÂBilayer. Journal of the American Chemical Society, 2006, 128, 2184-2185. | 6.6 | 25 |
| 136 | Carotenoid triplet detection by time-resolved EPR spectroscopy in carotenopyropheophorbide dyads. Journal of Photochemistry and Photobiology A: Chemistry, 1997, 105, 329-335. | 2.0 | 24 |
| 137 | Artificial photosynthetic antenna-reaction center complexes based on a hexaphenylbenzene core. Journal of Porphyrins and Phthalocyanines, 2005, 09, 706-723. | 0.4 | 24 |
| 138 | Building and testing correlations for the estimation of oneâ€electron reduction potentials of a diverse set of organic molecules. Journal of Physical Organic Chemistry, 2015, 28, 320-328. | 0.9 | 24 |
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| 140 | The Gold Porphyrin First Excited Singlet StateÂ¶. Photochemistry and Photobiology, 2002, 76, 47. | 1.3 | 24 |
| 141 | High-efficiency Energy Transfer from Carotenoids to a Phthalocyanine in an Artificial Photosynthetic AntennaÂ¶. Photochemistry and Photobiology, 2002, 76, 116. | 1.3 | 23 |
| 142 | Role of Intact Hydrogen-Bond Networks in Multiproton-Coupled Electron Transfer. Journal of the American Chemical Society, 2020, 142, 21842-21851. | 6.6 | 23 |
| 143 | Proton-coupled electron transfer across benzimidazole bridges in bioinspired proton wires. Chemical Science, 2020, 11, 3820-3828. | 3.7 | 23 |
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| 146 | On the role of excitonic interactions in carotenoidâ€“phthalocyanine dyads and implications for photosynthetic regulation. Photosynthesis Research, 2012, 111, 237-243. | 1.6 | 22 |
| 147 | Analog Applications of Photochemical Switches. Advanced Materials, 2013, 25, 456-461. | 11.1 | 22 |
| 148 | [10] Synthesis of carotenoporphyrin models for photosynthetic energy and electron transfer. Methods in Enzymology, 1992, , 87-100. | 0.4 | 21 |
| 149 | Charge separation and energy transfer in a carotenoâ€“C60dyad: photoinduced electron transfer from the carotenoid excited states. Photochemical and Photobiological Sciences, 2006, 5, 1142-1149. | 1.6 | 21 |
| 150 | Ultrafast Energy Transfer Dynamics of a Bioinspired Dyad Molecule. Journal of Physical Chemistry B, 2008, 112, 2678-2685. | 1.2 | 21 |
| 151 | New light-harvesting roles of hot and forbidden carotenoid states in artificial photosynthetic constructs. Chemical Science, 2012, 3, 2052. | 3.7 | 21 |
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| 153 | Photoinitiated Electron Transfer in Carotenoporphyrinâ€Quinone Triads: Enhanced Quantum Yields via Control of Reaction Exergonicity. Israel Journal of Chemistry, 1988, 28, 87-95. | 1.0 | 20 |
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