# Marcin Ptaszek

List of Publications by Year
in descending order



| 53 | 1,645 | 218592 | 302012 |
|---|---|---|---|
| papers | citations | 26 h-index | 39 g-index |

| 53 | 53 | 53 | 1074 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Hydroporphyrin-Doped Near-Infrared-Emitting Polymer Dots for Cellular Fluorescence Imaging. ACS Applied Materials & Interfaces, 2022, 14, 20790-20801. | 4.0 | 10 |
| 2 | 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 |
| 3 | Weakly conjugated bacteriochlorin-bacteriochlorin dyad: Synthesis and photophysical properties. Journal of Porphyrins and Phthalocyanines, 2021, 25, 724-733. | 0.4 | 6 |
| 4 | Amphiphilic Near-IR-Emitting 3,5-Bis(2-Pyrrolylethenyl)BODIPY Derivatives: Synthesis, Characterization, and Comparison with Other (Hetero)Arylethenyl-Substituted BODIPYs. Journal of Organic Chemistry, 2021, 86, 8755-8765. | 1.7 | 10 |
| 5 | Intersystem Crossing in Tetrapyrrolic Macrocycles. A First-Principles Analysis. Journal of Physical Chemistry C, 2021, 125, 13493-13500. | 1.5 | 12 |
| 6 | Photoinduced charge transfer in Zn(II) and Au(III)-ligated symmetric and asymmetric bacteriochlorin dyads: A computational study. Journal of Chemical Physics, 2020, 153, 134111. | 1.2 | 13 |
| 7 | Solvent-dependent energy and charge transfer dynamics in hydroporphyrin-BODIPY arrays. Journal of Chemical Physics, 2020, 153, 074302. | 1.2 | 5 |
| 8 | Effect of Short PEG on Near-Infrared BODIPY-Based Activatable Optical Probes. ACS Omega, 2020, 5, 15657-15665. | 1.6 | 4 |
| 9 | Photoisomerization of Enediynyl Linker Leads to Slipped Cofacial Hydroporphyrin Dyads with Strong Through-Bond and Through-Space Electronic Interactions. Journal of Organic Chemistry, 2019, 84, 7851-7862. | 1.7 | 10 |
| 10 | Activatable Near-Infrared Fluorescence Imaging Using PEGylated Bacteriochlorin-Based Chlorin and BODIPY-Dyads as Probes for Detecting Cancer. Bioconjugate Chemistry, 2019, 30, 169-183. | 1.8 | 29 |
| 11 | Excitonic Interactions in Bacteriochlorin Homo-Dyads Enable Charge Transfer: A New Approach to the Artificial Photosynthetic Special Pair. Journal of Physical Chemistry B, 2018, 122, 4131-4140. | 1.2 | 15 |
| 12 | Symmetrical and Nonsymmetrical Mesoâ€“Meso Directly Linked Hydroporphyrin Dyads: Synthesis and Photochemical Properties. Inorganic Chemistry, 2018, 57, 2977-2988. | 1.9 | 14 |
| 13 | Hydroporphyrins in Fluorescence In Vivo Imaging. Reviews in Fluorescence, 2018, , 21-51. | 0.5 | 0 |
| 14 | Strongly coupled bacteriochlorin dyad studied using phase-modulated fluorescence-detected two-dimensional electronic spectroscopy. Optics Express, 2018, 26, 22327. | 1.7 | 33 |
| 15 | Expanding Ï€-Conjugation in Chlorins Using Ethenyl Linker. Journal of Organic Chemistry, 2018, 83, 9076-9087. | 1.7 | 12 |
| 16 | The Porphobilinogen Conundrum in Prebiotic Routes to Tetrapyrrole Macrocycles. Origins of Life and Evolution of Biospheres, 2017, 47, 93-119. | 0.8 | 7 |
| 17 | Amphiphilic BODIPY-Hydroporphyrin Energy Transfer Arrays with Broadly Tunable Absorption and Deep Red/Near-Infrared Emission in Aqueous Micelles. Journal of Organic Chemistry, 2017, 82, 6054-6070. | 1.7 | 21 |
| 18 | BODIPYâ€“Bacteriochlorin Energy Transfer Arrays: Toward Near-IR Emitters with Broadly Tunable, Multiple Absorption Bands. Journal of Organic Chemistry, 2017, 82, 13068-13075. | 1.7 | 15 |

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| 19 | Scope and limitations of two model prebiotic routes to tetrapyrrole macrocycles. New Journal of Chemistry, 2016, 40, 7445-7455. | 1.4 | 4 |
| 20 | Complexity in structure-directed prebiotic chemistry. Reaction bifurcation from a Î²-diketone in tetrapyrrole formation. New Journal of Chemistry, 2016, 40, 6434-6440. | 1.4 | 3 |
| 21 | Bacteriochlorin Dyads as Solvent Polarity Dependent Near-Infrared Fluorophores and Reactive Oxygen Species Photosensitizers. Organic Letters, 2016, 18, 4590-4593. | 2.4 | 26 |
| 22 | Synthesis of diverse acyclic precursors to pyrroles for studies of prebiotic routes to tetrapyrrole macrocycles. New Journal of Chemistry, 2016, 40, 8786-8808. | 1.4 | 9 |
| 23 | Complexity in structure-directed prebiotic chemistry. Unexpected compositional richness from competing reactants in tetrapyrrole formation. New Journal of Chemistry, 2016, 40, 6421-6433. | 1.4 | 8 |
| 24 | Effects of Strong Electronic Coupling in Chlorin and Bacteriochlorin Dyads. Journal of Physical Chemistry A, 2016, 120, 379-395. | 1.1 | 28 |
| 25 | Photophysical Properties and Electronic Structure of Chlorin-Imides: Bridging the Gap between Chlorins and Bacteriochlorins. Journal of Physical Chemistry B, 2015, 119, 7503-7515. | 1.2 | 27 |
| 26 | Progress towards synthetic chlorins with graded polarity, conjugatable substituents, and wavelength tunability. Journal of Porphyrins and Phthalocyanines, 2015, 19, 547-572. | 0.4 | 10 |
| 27 | Deep-Red Emissive BODIPYâ€“Chlorin Arrays Excitable with Green and Red Wavelengths. Journal of Organic Chemistry, 2015, 80, 3858-3869. | 1.7 | 25 |
| 28 | Activatable Organic Near-Infrared Fluorescent Probes Based on a Bacteriochlorin Platform: Synthesis and Multicolor in Vivo Imaging with a Single Excitation. Bioconjugate Chemistry, 2014, 25, 362-369. | 1.8 | 41 |
| 29 | Regioselective Î²-pyrrolic electrophilic substitution of hydrodipyrrinâ€“dialkylboron complexes facilitates access to synthetic models for chlorophyll f. New Journal of Chemistry, 2014, 38, 1717. | 1.4 | 25 |
| 30 | Strongly Conjugated Hydroporphyrin Dyads: Extensive Modification of Hydroporphyrinsâ€™ Properties by Expanding the Conjugated System. Journal of Organic Chemistry, 2014, 79, 7910-7925. | 1.7 | 37 |
| 31 | Near-IR Emissive Chlorinâ€“Bacteriochlorin Energy-Transfer Dyads with a Common Donor and Acceptors with Tunable Emission Wavelength. Journal of Organic Chemistry, 2013, 78, 10678-10691. | 1.7 | 42 |
| 32 | Rational Design of Fluorophores for In Vivo Applications. Progress in Molecular Biology and Translational Science, 2013, 113, 59-108. | 0.9 | 50 |
| 33 | Multifunctional Bacteriochlorins from Selective Palladium-Coupling Reactions. Organic Letters, 2012, 14, 3708-3711. | 2.4 | 39 |
| 34 | Galactosyl Human Serum Albumin-NMP1 Conjugate: A Near Infrared (NIR)-Activatable Fluorescence Imaging Agent to Detect Peritoneal Ovarian Cancer Metastases. Bioconjugate Chemistry, 2012, 23, 1671-1679. | 1.8 | 60 |
| 35 | Abiotic formation of uroporphyrinogen and coproporphyrinogen from acyclic reactants. New Journal of Chemistry, 2011, 35, 65-75. | 1.4 | 36 |
| 36 | De novo synthesis and properties of analogues of the self-assembling chlorosomal bacteriochlorophylls. New Journal of Chemistry, 2011, 35, 2671. | 1.4 | 17 |

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|---|---|---|---|
| 37 | Structural characteristics that make chlorophylls green: interplay of hydrocarbon skeleton and substituents. New Journal of Chemistry, 2011, 35, 76-88. | 1.4 | 40 |
| 38 | Expanded Scope of Synthetic Bacteriochlorins via Improved Acid Catalysis Conditions and Diverse Dihydrodipyrrin-Acetals. Journal of Organic Chemistry, 2010, 75, 1016-1039. | 1.7 | 119 |
| 39 | De Novo Synthesis of Long-Wavelength Absorbing Chlorin-13,15-dicarboximides. Journal of Organic Chemistry, 2010, 75, 1659-1673. | 1.7 | 39 |
| 40 | Chlorinâ€“Bacteriochlorin Energyâ€transfer Dyads as Prototypes for Nearâ€infrared Molecular Imaging Probes: Controlling Chargeâ€transfer and Fluorescence Properties in Polar Media. Photochemistry and Photobiology, 2009, 85, 909-920. | 1.3 | 37 |
| 41 | Regioselective Bromination Tactics in the de Novo Synthesis of Chlorophyll b Analogues. Journal of Organic Chemistry, 2009, 74, 3237-3247. | 1.7 | 28 |
| 42 | Refined syntheses of hydrodipyrrin precursors to chlorin and bacteriochlorin building blocks. Journal of Porphyrins and Phthalocyanines, 2009, 13, 1098-1110. | 0.4 | 39 |
| 43 | Synthesis and Excited-state Photodynamics of a Chlorinâ€“Bacteriochlorin Dyadâ€”Through-space Versus Through-bond Energy Transfer in Tetrapyrrole Arrays. Photochemistry and Photobiology, 2008, 84, 786-801. | 1.3 | 38 |
| 44 | Examination of Chlorinâ€“Bacteriochlorin Energyâ€transfer Dyads as Prototypes for Nearâ€infrared Molecular Imaging Probes<sup>â€</sup>. Photochemistry and Photobiology, 2008, 84, 1061-1072. | 1.3 | 51 |
| 45 | Direct Synthesis of Magnesium Porphine via 1-Formyldipyrromethane. Journal of Organic Chemistry, 2007, 72, 5008-5011. | 1.7 | 66 |
| 46 | Effects of Substituents on Synthetic Analogs of Chlorophylls. Part 2: Redox Properties, Optical Spectra and Electronic Structure. Photochemistry and Photobiology, 2007, 83, 1125-1143. | 1.3 | 77 |
| 47 | Two Complementary Routes to 7-Substituted Chlorins. Partial Mimics of Chlorophyllb. Journal of Organic Chemistry, 2007, 72, 7736-7749. | 1.7 | 39 |
| 48 | Sparsely substituted chlorins as core constructs in chlorophyll analogue chemistry. Part 1: Synthesis. Tetrahedron, 2007, 63, 3826-3839. | 1.0 | 56 |
| 49 | Sparsely substituted chlorins as core constructs in chlorophyll analogue chemistry. Part 3: Spectral and structural properties. Tetrahedron, 2007, 63, 3850-3863. | 1.0 | 63 |
| 50 | Effects of Substituents on Synthetic Analogs of Chlorophylls. Part 1: Synthesis, Vibrational Properties and Excited-state Decay Characteristics. Photochemistry and Photobiology, 2007, 83, 1110-1124. | 1.3 | 68 |
| 51 | Synthesis of 1-Formyldipyrromethanes. Journal of Organic Chemistry, 2006, 71, 4328-4331. | 1.7 | 32 |
| 52 | Synthetic Chlorins Bearing Auxochromes at the 3- and 13-Positions. Journal of Organic Chemistry, 2006, 71, 4092-4102. | 1.7 | 92 |
| 53 | Refined Synthesis of 2,3,4,5-Tetrahydro-1,3,3-trimethyldipyrrin, a Deceptively Simple Precursor to Hydroporphyrins. Organic Process Research and Development, 2005, 9, 651-659. | 1.3 | 54 |