Jonathan S Lindsey

List of Publications by Year
in descending order

374 papers	26,542 citations	82 h-index	146 g-index
		5558	8599
379 all docs	379 docs citations	379 times ranked	12662 citing authors

#	Article	IF	Citations
1	Phenylene-linked tetrapyrrole arrays containing free base and diverse metal chelate forms â€“ Versatile synthetic architectures for catalysis and artificial photosynthesis. Coordination Chemistry Reviews, 2022, 456, 214278.	9.5	16
2	De Novo Synthesis of Bacteriochlorins Bearing Four Trideuteriomethyl Groups. Organics, 2022, 3, 22-37.	0.6	3
3	Meso bromination and derivatization of synthetic bacteriochlorins. New Journal of Chemistry, 2022, 46, 5556-5572.	1.4	5
4	Synthesis of bacteriochlorins bearing diverse Î²-substituents. New Journal of Chemistry, 2022, 46, 5534-5555.	1.4	5
5	Beyond green with synthetic chlorophylls â€“ Connecting structural features with spectral properties. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2022, 52, 100513.	5.6	12
6	Chasing the green echiuran worm Bonellia in tidal pools of Okinawa. , 2022, , .		0
7	Absorption and Fluorescence Spectral Database of Chlorophylls and Analogues. Photochemistry and Photobiology, 2021, 97, 136-165.	1.3	58
8	Study of conditions for streamlined assembly of a model bacteriochlorophyll from two dihydrodipyrrin halves. New Journal of Chemistry, 2021, 45, 569-581.	1.4	8
9	Considerations of the biosynthesis and molecular diversity of tolyporphins. New Journal of Chemistry, 2021, 45, 12097-12107.	1.4	7
10	A perspective on the redox properties of tetrapyrrole macrocycles. Physical Chemistry Chemical Physics, 2021, 23, 19130-19140.	1.3	15
11	Synthesis of model bacteriochlorophylls containing substituents of native rings A, C and E. New Journal of Chemistry, 2021, 45, 13302-13316.	1.4	12
12	The fluorescence quantum yield parameter in FÃ¶rster resonance energy transfer (FRET)â€”Meaning, misperception, and molecular design. Chemical Physics Reviews, 2021, 2, 011302.	2.6	20
13	Comprehensive review of photophysical parameters (Îµ, Î¦f, Ï„s) of tetraphenylporphyrin (H2TPP) and zinc tetraphenylporphyrin (ZnTPP) â€“ Critical benchmark molecules in photochemistry and photosynthesis. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2021, 46, 100401.	5.6	90
14	Single-Fluorophore Single-Chain Nanoparticle Undergoes Fluorophore-Driven Assembly with Fluorescence Features Retained in Physiological Milieu. ACS Applied Polymer Materials, 2021, 3, 1767-1776.	2.0	8
15	In Situ, Protein-Mediated Generation of a Photochemically Active Chlorophyll Analogue in a Mutant Bacterial Photosynthetic Reaction Center. Biochemistry, 2021, 60, 1260-1275.	1.2	1
16	Natural Product Gene Clusters in the Filamentous Nostocales Cyanobacterium HT-58-2. Life, 2021, 11, 356.	1.1	5
17	Identification of Putative Biosynthetic Gene Clusters for Tolyporphins in Multiple Filamentous Cyanobacteria. Life, 2021, 11, 758.	1.1	6
18	Design, Synthesis, and Utility of Defined Molecular Scaffolds. Organics, 2021, 2, 161-273.	0.6	14

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19	Fluorescence Assay for Tolyporphins Amidst Abundant Chlorophyll in Crude Cyanobacterial Extracts. Photochemistry and Photobiology, 2021, , .	1.3	7
20	Synthesis of AD-Dihydrodipyrrins Equipped with Latent Substituents of Native Chlorophylls and Bacteriochlorophylls. Journal of Organic Chemistry, 2021, 86, 11794-11811.	1.7	4
21	Electronic Structure and Excited-State Dynamics of Ryleneâ€"Tetrapyrrole Panchromatic Absorbers. Journal of Physical Chemistry A, 2021, 125, 7900-7919.	1.1	7
22	Bioconjugatable synthetic chlorins rendered water-soluble with three PEG-12 groups via click chemistry. Journal of Porphyrins and Phthalocyanines, 2020, 24, 362-378.	0.4	6
23	Bacteriochlorinâ€bis(spermine) conjugate affords an effective photodynamic action to eradicate microorganisms. Journal of Biophotonics, 2020, 13, e201960061.	1.1	15
24	Use of the Nascent Isocyclic Ring to Anchor Assembly of the Full Skeleton of Model Chlorophylls. Journal of Organic Chemistry, 2020, 85, 702-715.	1.7	9
25	Enzymatically triggered chromogenic cross-linking agents under physiological conditions. New Journal of Chemistry, 2020, 44, 719-743.	1.4	9
26	Engineering of an archaeal phosphodiesterase to trigger aggregation-induced emission (AIE) of synthetic substrates. New Journal of Chemistry, 2020, 44, 14266-14277.	1.4	2
27	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
28	Aqueous solubilization of hydrophobic tetrapyrrole macrocycles by attachment to an amphiphilic single-chain nanoparticle (SCNP). New Journal of Chemistry, 2020, 44, 21293-21308.	1.4	7
29	Asymmetric Synthesis of a Bacteriochlorophyll Model Compound Containing trans-Dialkyl Substituents in Ring D. Journal of Organic Chemistry, 2020, 85, 6605-6619.	1.7	12
30	Fourfold alkyl wrapping of a copper(II) porphyrin thwarts macrocycle Ï€â€"Ï€ stacking in a compact supramolecular package. Acta Crystallographica Section C, Structural Chemistry, 2020, 76, 647-654.	0.2	2
31	Chromogenic agents built around a multifunctional double-triazine framework for enzymatically triggered cross-linking under physiological conditions. New Journal of Chemistry, 2020, 44, 3856-3867.	1.4	10
32	Riley Oxidation of Heterocyclic Intermediates on Paths to Hydroporphyrinsâ€"A Review. Molecules, 2020, 25, 1858.	1.7	16
33	Analysis of Wikipedia pageviews to identify popular chemicals. , 2020, , .		2
34	Absorption and fluorescence spectra of organic compounds from 40 sources â€" archives, repositories, databases, and literature search engines. , 2020, , .		4
35	Peptide-based scaffolds for in vivo immobilization and enzyme attachment in therapeutic applications. , 2020, , .		1
36	Crystal Structure of 1,9-Dibromo-5-phenyldipyrrin, Tetrapyrrole Synthesis Derivative and Free Base Ligand of BODIPY Building Blocks. X-ray Structure Analysis Online, 2020, 36, 21-22.	0.1	1

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37	Synthesis of the Ring C Pyrrole of Native Chlorophylls and Bacteriochlorophylls. Journal of Organic Chemistry, 2019, 84, 11286-11293.	1.7	15
38	Heuristics from Modeling of Spectral Overlap in FÃ¶rster Resonance Energy Transfer (FRET). Journal of Chemical Information and Modeling, 2019, 59, 652-667.	2.5	22
39	Self-assembly with fluorescence readout in a free base dipyrrinâ€“polymer triggered by metal ion binding in aqueous solution. New Journal of Chemistry, 2019, 43, 9711-9724.	1.4	8
40	Annulated bacteriochlorins for near-infrared photophysical studies. New Journal of Chemistry, 2019, 43, 7209-7232.	1.4	16
41	New molecular design for blue BODIPYs. New Journal of Chemistry, 2019, 43, 7233-7242.	1.4	7
42	Cellular localization of tolyporphins, unusual tetrapyrroles, in a microbial photosynthetic community determined using hyperspectral confocal fluorescence microscopy. Photosynthesis Research, 2019, 141, 259-271.	1.6	13
43	Single-Polymerâ€“Single-Cargo Strategy Packages Hydrophobic Fluorophores in Aqueous Solution with Retention of Inherent Brightness. ACS Macro Letters, 2019, 8, 79-83.	2.3	11
44	Developing a user community in the photosciences: a website for spectral data and PhotochemCAD. , 2019, , .		4
45	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
46	Database of Absorption and Fluorescence Spectra of >300 Common Compounds for use in Photochem<scp>CAD</scp>. Photochemistry and Photobiology, 2018, 94, 290-327.	1.3	306
47	PhotochemCAD 3: Diverse Modules for Photophysical Calculations with Multiple Spectral Databases. Photochemistry and Photobiology, 2018, 94, 277-289.	1.3	87
48	Quantitation of Tolyporphins, Diverse Tetrapyrrole Secondary Metabolites with Chlorophyllâ€Like Absorption, from a Filamentous Cyanobacteriumâ€“Microbial Community. Phytochemical Analysis, 2018, 29, 205-216.	1.2	15
49	Unusual Stability of a Bacteriochlorin Electrocatalyst under Reductive Conditions. A Case Study on CO₂ Conversion to CO. ACS Catalysis, 2018, 8, 10131-10136.	5.5	28
50	Origin of Panchromaticity in Multichromophoreâ€“Tetrapyrrole Arrays. Journal of Physical Chemistry A, 2018, 122, 7181-7201.	1.1	20
51	Total synthesis campaigns toward chlorophylls and related natural hydroporphyrins â€“ diverse macrocycles, unrealized opportunities. Natural Product Reports, 2018, 35, 879-901.	5.2	36
52	Synthesis of arrays containing porphyrin, chlorin, and perylene-imide constituents for panchromatic light-harvesting and charge separation. RSC Advances, 2018, 8, 23854-23874.	1.7	22
53	Chlorophyll-Inspired Red-Region Fluorophores: Building Block Synthesis and Studies in Aqueous Media. Molecules, 2018, 23, 130.	1.7	10
54	Genome sequence, metabolic properties and cyanobacterial attachment of Porphyrobacter sp. HT-58-2 isolated from a filamentous cyanobacteriumâ€“microbial consortium. Microbiology (United Kingdom), 2018, 164, 1229-1239.	0.7	15

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55	Red and near-infrared fluorophores inspired by chlorophylls: consideration of practical brightness in multicolor flow cytometry and biomedical sciences. , 2018, , .		1
56	The Porphobilinogen Conundrum in Prebiotic Routes to Tetrapyrrole Macrocycles. Origins of Life and Evolution of Biospheres, 2017, 47, 93-119.	0.8	7
57	Construction of the Bacteriochlorin Macrocycle with Concomitant Nazarov Cyclization To Form the Annulated Isocyclic Ring: Analogues of Bacteriochlorophyll a. Journal of Organic Chemistry, 2017, 82, 2489-2504.	1.7	28
58	Multi-step excitation energy transfer engineered in genetic fusions of natural and synthetic light-harvesting proteins. Journal of the Royal Society Interface, 2017, 14, 20160896.	1.5	18
59	Hydrogen Evolution Catalysis by a Sparsely Substituted Cobalt Chlorin. ACS Catalysis, 2017, 7, 3597-3606.	5.5	56
60	Synthesis and photophysical characterization of bacteriochlorins equipped with integral swallowtail substituents. New Journal of Chemistry, 2017, 41, 4360-4376.	1.4	10
61	Photophysical Characterization of the Naturally Occurring Dioxobacteriochlorin Tolyporphin A and Synthetic Oxobacteriochlorin Analogues. Photochemistry and Photobiology, 2017, 93, 1204-1215.	1.3	24
62	Synthesis, photophysics and electronic structure of oxobacteriochlorins. New Journal of Chemistry, 2017, 41, 3732-3744.	1.4	16
63	Characterization of Hydroporphyrins Covalently Attached to Si(100). Journal of Porphyrins and Phthalocyanines, 2017, 21, 453-464.	0.4	4
64	Synthesis of tailored hydrodipyrrins and their examination in directed routes to bacteriochlorins and tetradehydrocorrins. New Journal of Chemistry, 2017, 41, 11170-11189.	1.4	10
65	Genome Sequence and Composition of a Tolyporphin-Producing Cyanobacterium-Microbial Community. Applied and Environmental Microbiology, 2017, 83, .	1.4	18
66	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
67	Synthetic Chlorins, Possible Surrogates for Chlorophylls, Prepared by Derivatization of Porphyrins. Chemical Reviews, 2017, 117, 344-535.	23.0	250
68	Mass spectrometric detection of chlorophyll a and the tetrapyrrole secondary metabolite tolyporphin A in the filamentous cyanobacterium HT-58-2. Approaches to high-throughput screening of intact cyanobacteria. Journal of Porphyrins and Phthalocyanines, 2017, 21, 759-768.	0.4	9
69	Synthesis and Spectral Properties of meso-Arylbacteriochlorins, Including Insights into Essential Motifs of their Hydrodipyrrin Precursors. Molecules, 2017, 22, 634.	1.7	7
70	Scope and limitations of two model prebiotic routes to tetrapyrrole macrocycles. New Journal of Chemistry, 2016, 40, 7445-7455.	1.4	4
71	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
72	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

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73	Integration of Cyanine, Merocyanine and Styryl Dye Motifs with Synthetic Bacteriochlorins. Photochemistry and Photobiology, 2016, 92, 111-125.	1.3	7
74	Photophysical comparisons of PEGylated porphyrins, chlorins and bacteriochlorins in water. New Journal of Chemistry, 2016, 40, 9648-9656.	1.4	23
75	Panchromatic chromophoreâ€“tetrapyrrole light-harvesting arrays constructed from Bodipy, perylene, terrylene, porphyrin, chlorin, and bacteriochlorin building blocks. New Journal of Chemistry, 2016, 40, 8032-8052.	1.4	38
76	Northernâ€“Southern Route to Synthetic Bacteriochlorins. Journal of Organic Chemistry, 2016, 81, 11882-11897.	1.7	28
77	Tuning the Electronic Structure and Properties of Peryleneâ€“Porphyrinâ€“Perylene Panchromatic Absorbers. Journal of Physical Chemistry A, 2016, 120, 7434-7450.	1.1	12
78	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
79	Bioconjugatable, PEGylated hydroporphyrins for photochemistry and photomedicine. Narrow-band, red-emitting chlorins. New Journal of Chemistry, 2016, 40, 7721-7740.	1.4	29
80	Bioconjugatable, PEGylated hydroporphyrins for photochemistry and photomedicine. Narrow-band, near-infrared-emitting bacteriochlorins. New Journal of Chemistry, 2016, 40, 7750-7767.	1.4	15
81	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
82	Synthesis and photophysical characteristics of 2,3,12,13-tetraalkylbacteriochlorins. New Journal of Chemistry, 2016, 40, 5942-5956.	1.4	20
83	Synthetic bacteriochlorins bearing polar motifs (carboxylate, phosphonate, ammonium and a short) Tj ETQq1 1 0.784314 rgBT /Overl 2015, 39, 5694-5714.	1.4	25
84	De Novo Synthesis of Gem-Dialkyl Chlorophyll Analogues for Probing and Emulating Our Green World. Chemical Reviews, 2015, 115, 6534-6620.	23.0	143
85	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
86	Effects of Substituents on Synthetic Analogs of Chlorophylls. Part 4: How Formyl Group Location Dictates the Spectral Properties of Chlorophyllsb,dandf. Photochemistry and Photobiology, 2015, 91, 331-342.	1.3	20
87	Progress towards synthetic chlorins with graded polarity, conjugatable substituents, and wavelength tunability. Journal of Porphyrins and Phthalocyanines, 2015, 19, 547-572.	0.4	10
88	Elaboration of an unexplored substitution site in synthetic bacteriochlorins. Journal of Porphyrins and Phthalocyanines, 2015, 19, 887-902.	0.4	6
89	Self-Assembled Light-Harvesting System from Chromophores in Lipid Vesicles. Journal of Physical Chemistry B, 2015, 119, 10231-10243.	1.2	35
90	Hydrophilic bioconjugatable trans-AB-porphyrins and peptide conjugates. Journal of Porphyrins and Phthalocyanines, 2015, 19, 663-678.	0.4	8

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91	Near-infrared tunable bacteriochlorins equipped for bioorthogonal labeling. New Journal of Chemistry, 2015, 39, 4534-4550.	1.4	13
92	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
93	Paley's watchmaker analogy and prebiotic synthetic chemistry in surfactant assemblies. Formaldehyde scavenging by pyrroles leading to porphyrins as a case study. Organic and Biomolecular Chemistry, 2015, 13, 10025-10031.	1.5	12
94	Complexity in structure-directed prebiotic chemistry. Effect of a defective competing reactant in tetrapyrrole formation. New Journal of Chemistry, 2015, 39, 8273-8281.	1.4	5
95	Polarity-tunable and wavelength-tunable bacteriochlorins bearing a single carboxylic acid or NHS ester. Use in a protein bioconjugation model system. New Journal of Chemistry, 2015, 39, 403-419.	1.4	13
96	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
97	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
98	Hydrophilic tetracarboxy bacteriochlorins for photonics applications. Organic and Biomolecular Chemistry, 2014, 12, 86-103.	1.5	23
99	Amphiphilic, hydrophilic, or hydrophobic synthetic bacteriochlorins in biohybrid light-harvesting architectures: consideration of molecular designs. Photosynthesis Research, 2014, 122, 187-202.	1.6	11
100	Stable synthetic mono-substituted cationic bacteriochlorins mediate selective broad-spectrum photoinactivation of drug-resistant pathogens at nanomolar concentrations. Journal of Photochemistry and Photobiology B: Biology, 2014, 141, 119-127.	1.7	50
101	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
102	Panchromatic absorbers for solar light-harvesting. Chemical Communications, 2014, 50, 14512-14515.	2.2	34
103	Vibronic Characteristics and Spin-Density Distributions in Bacteriochlorins as Revealed by Spectroscopic Studies of 16 Isotopologues. Implications for Energy- and Electron-Transfer in Natural Photosynthesis and Artificial Solar-Energy Conversion. Journal of Physical Chemistry B, 2014, 118, 7520-7532.	1.2	14
104	Photophysical properties and electronic structure of retinylideneâ€”chlorinâ€”chalcones and analogues. Photochemical and Photobiological Sciences, 2014, 13, 634-650.	1.6	12
105	NMR spectral properties of 16 synthetic bacteriochlorins with site-specific 13C or 15N substitution. Journal of Porphyrins and Phthalocyanines, 2014, 18, 433-456.	0.4	4
106	Synthesis of 24 Bacteriochlorin Isotopologues, Each Containing a Symmetrical Pair of13C or15N Atoms in the Inner Core of the Macrocycle. Journal of Organic Chemistry, 2014, 79, 1001-1016.	1.7	24
107	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
108	Statistical considerations on the formation of circular photosynthetic light-harvesting complexes from Rhodopseudomonas palustris. Photosynthesis Research, 2014, 121, 49-60.	1.6	9

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109	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
110	Aqueousâ€“membrane partitioning of Î²-substituted porphyrins encompassing diverse polarity. New Journal of Chemistry, 2013, 37, 1087.	1.4	16
111	Palette of lipophilic bioconjugatable bacteriochlorins for construction of biohybrid light-harvesting architectures. Chemical Science, 2013, 4, 2036.	3.7	47
112	Enumeration of Virtual Libraries of Combinatorial Modular Macrocyclic (Bracelet, Necklace) Architectures and Their Linear Counterparts. Journal of Chemical Information and Modeling, 2013, 53, 2203-2216.	2.5	7
113	Integration of multiple chromophores with native photosynthetic antennas to enhance solar energy capture and delivery. Chemical Science, 2013, 4, 3924.	3.7	37
114	Synthetic bacteriochlorins with integral spiro-piperidine motifs. New Journal of Chemistry, 2013, 37, 1157.	1.4	22
115	Catalytic diversification upon metal scavenging in a prebiotic model for formation of tetrapyrrole macrocycles. New Journal of Chemistry, 2013, 37, 2716.	1.4	18
116	Serendipitous synthetic entrÃ©e to tetradehydro analogues of cobalamins. New Journal of Chemistry, 2013, 37, 3964.	1.4	6
117	Photophysical Properties and Electronic Structure of Bacteriochlorinâ€“Chalcones with Extended Nearâ€Infrared Absorption. Photochemistry and Photobiology, 2013, 89, 586-604.	1.3	21
118	Synthesis and photophysical properties of chlorins bearing 0-4 distinct meso-substituents. Photochemical and Photobiological Sciences, 2013, 12, 2089-2109.	1.6	29
119	Expanded combinatorial formation of porphyrin macrocycles in aqueous solution containing vesicles. A prebiotic model. New Journal of Chemistry, 2013, 37, 1073.	1.4	19
120	Synthesis and evaluation of cationic bacteriochlorin amphiphiles with effective in vitro photodynamic activity against cancer cells at low nanomolar concentration. Journal of Porphyrins and Phthalocyanines, 2013, 17, 73-85.	0.4	18
121	Molecular Electronic Tuning of Photosensitizers to Enhance Photodynamic Therapy: Synthetic Dicyanobacteriochlorins as a Case Study. Photochemistry and Photobiology, 2013, 89, 605-618.	1.3	46
122	Amphiphilic chlorins and bacteriochlorins in micellar environments. Molecular design, de novo synthesis, and photophysical properties. Chemical Science, 2013, 4, 3459.	3.7	32
123	Primordial Oil Slick and the Formation of Hydrophobic Tetrapyrrole Macrocycles. Astrobiology, 2012, 12, 1055-1068.	1.5	19
124	Diversity, isomer composition, and design of combinatorial libraries of tetrapyrrole macrocycles. Journal of Porphyrins and Phthalocyanines, 2012, 16, 1-13.	0.4	24
125	Stable Synthetic Bacteriochlorins for Photodynamic Therapy: Role of Dicyano Peripheral Groups, Central Metal Substitution (2H, Zn, Pd), and Cremophorâ€…EL Delivery. ChemMedChem, 2012, 7, 2155-2167.	1.6	52
126	Biohybrid Photosynthetic Antenna Complexes for Enhanced Light-Harvesting. Journal of the American Chemical Society, 2012, 134, 4589-4599.	6.6	87

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127	Competing Knorr and Fischerâ€“Fink pathways to pyrroles in neutral aqueous solution. Tetrahedron, 2012, 68, 6957-6967.	1.0	18
128	Effects of Linker Torsional Constraints on the Rate of Ground-State Hole Transfer in Porphyrin Dyads. Inorganic Chemistry, 2012, 51, 11076-11086.	1.9	6
129	Synthesis and Physicochemical Properties of Metallobacteriochlorins. Inorganic Chemistry, 2012, 51, 9443-9464.	1.9	89
130	Enumeration of Isomers of Substituted Tetrapyrrole Macrocycles: From Classical Problems in Biology to Modern Combinatorial Libraries. Handbook of Porphyrin Science, 2012, , 1-80.	0.3	5
131	A tandem combinatorial model for the prebiogenesis of diverse tetrapyrrole macrocycles. New Journal of Chemistry, 2012, 36, 1057.	1.4	24
132	Self-organization of tetrapyrrole constituents to give a photoactive protocell. Chemical Science, 2012, 3, 1963.	3.7	27
133	Effects of Substituents on Synthetic Analogs of Chlorophylls. Part 3: The Distinctive Impact of Auxochromes at the 7â€•versus 3â€Positions. Photochemistry and Photobiology, 2012, 88, 651-674.	1.3	34
134	Abiotic formation of uroporphyrinogen and coproporphyrinogen from acyclic reactants. New Journal of Chemistry, 2011, 35, 65-75.	1.4	36
135	Facile synthesis of a B,D-tetradehydrocorrin and rearrangement to bacteriochlorins. New Journal of Chemistry, 2011, 35, 1376.	1.4	16
136	De novo synthesis and properties of analogues of the self-assembling chlorosomal bacteriochlorophylls. New Journal of Chemistry, 2011, 35, 2671.	1.4	17
137	De novo synthesis and photophysical characterization of annulated bacteriochlorins. Mimicking and extending the properties of bacteriochlorophylls. New Journal of Chemistry, 2011, 35, 587.	1.4	40
138	Tapping the near-infrared spectral region with bacteriochlorin arrays. New Journal of Chemistry, 2011, 35, 511.	1.4	67
139	Synthesis and Photophysical Characterization of Stable Indium Bacteriochlorins. Inorganic Chemistry, 2011, 50, 4607-4618.	1.9	34
140	Photophysical Properties and Electronic Structure of Stable, Tunable Synthetic Bacteriochlorins: Extending the Features of Native Photosynthetic Pigments. Journal of Physical Chemistry B, 2011, 115, 10801-10816.	1.2	93
141	A trans-AB-Bacteriochlorin Building Block. Journal of Organic Chemistry, 2011, 76, 9478-9487.	1.7	28
142	Structural characteristics that make chlorophylls green: interplay of hydrocarbon skeleton and substituents. New Journal of Chemistry, 2011, 35, 76-88.	1.4	40
143	Virtual Libraries of Tetrapyrrole Macrocycles. Combinatorics, Isomers, Product Distributions, and Data Mining. Journal of Chemical Information and Modeling, 2011, 51, 2233-2247.	2.5	23
144	Molecules for Charge-Based Information Storage. Accounts of Chemical Research, 2011, 44, 638-650.	7.6	207

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145	Encoding isotopic watermarks in molecular electronic materials as an anti-counterfeiting strategy: Application to porphyrins for information storage. Journal of Porphyrins and Phthalocyanines, 2011, 15, 505-516.	0.4	8
146	Structural studies of sparsely substituted synthetic chlorins and phorbines establish benchmarks for changes in the ligand core and framework of chlorophyll macrocycles. Journal of Molecular Structure, 2010, 979, 27-45.	1.8	21
147	Synthesis of oligo(p-phenylene)-linked dyads containing free base, zinc(II) or thallium(III) porphyrins for studies in artificial photosynthesis. Tetrahedron, 2010, 66, 5549-5565.	1.0	48
148	In Vitro Photodynamic Therapy and Quantitative Structureâˆ'Activity Relationship Studies with Stable Synthetic Near-Infrared-Absorbing Bacteriochlorin Photosensitizers. Journal of Medicinal Chemistry, 2010, 53, 4018-4027.	2.9	93
149	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
150	Probing the Rate of Hole Transfer in Oxidized Synthetic Chlorin Dyads via Site-Specific ¹³C-Labeling. Journal of Organic Chemistry, 2010, 75, 3193-3202.	1.7	6
151	Stable synthetic bacteriochlorins overcome the resistance of melanoma to photodynamic therapy. FASEB Journal, 2010, 24, 3160-3170.	0.2	90
152	Excited-State Photodynamics of Peryleneâˆ'Porphyrin Dyads. 5. Tuning Light-Harvesting Characteristics via Perylene Substituents, Connection Motif, and Three-Dimensional Architecture. Journal of Physical Chemistry B, 2010, 114, 14249-14264.	1.2	23
153	Activation Energies for Oxidation of Porphyrin Monolayers Anchored to Au(111). Langmuir, 2010, 26, 15718-15721.	1.6	4
154	Synthetic Routes to meso-Patterned Porphyrins. Accounts of Chemical Research, 2010, 43, 300-311.	7.6	302
155	Stable Synthetic Cationic Bacteriochlorins as Selective Antimicrobial Photosensitizers. Antimicrobial Agents and Chemotherapy, 2010, 54, 3834-3841.	1.4	136
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