

Jonathan S Lindsey

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

370
papers

23,346
citations

78
h-index

137
g-index

379
ext. papers

24,696
ext. citations

5.2
avg, IF

6.93
L-index

#	Paper	IF	Citations
370	Phenylene-linked tetrapyrrole arrays containing free base and diverse metal chelate forms □ Versatile synthetic architectures for catalysis and artificial photosynthesis. <i>Coordination Chemistry Reviews</i> , 2022 , 456, 214278	23.2	3
369	De Novo Synthesis of Bacteriochlorins Bearing Four Trideuteriomethyl Groups. <i>Organics</i> , 2022 , 3, 22-37	9	
368	Meso bromination and derivatization of synthetic bacteriochlorins. <i>New Journal of Chemistry</i> , 2022 , 46, 5556-5572	3.6	2
367	Synthesis of bacteriochlorins bearing diverse substituents. <i>New Journal of Chemistry</i> , 2022 , 46, 5534-5555	3.6	2
366	Beyond Green with Synthetic Chlorophylls □ Connecting Structural Features with Spectral Properties. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2022 , 100513	16.4	1
365	Comprehensive review of photophysical parameters (□□, □) of tetraphenylporphyrin (H2TPP) and zinc tetraphenylporphyrin (ZnTPP) □ Critical benchmark molecules in photochemistry and photosynthesis. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2021 , 46, 100401	16.4	25
364	Single-Fluorophore Single-Chain Nanoparticle Undergoes Fluorophore-Driven Assembly with Fluorescence Features Retained in Physiological Milieu. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 1767-1776	4.3	3
363	In Situ, Protein-Mediated Generation of a Photochemically Active Chlorophyll Analogue in a Mutant Bacterial Photosynthetic Reaction Center. <i>Biochemistry</i> , 2021 , 60, 1260-1275	3.2	0
362	Natural Product Gene Clusters in the Filamentous Cyanobacterium HT-58-2. <i>Life</i> , 2021 , 11,	3	1
361	Absorption and Fluorescence Spectral Database of Chlorophylls and Analogues. <i>Photochemistry and Photobiology</i> , 2021 , 97, 136-165	3.6	19
360	Study of conditions for streamlined assembly of a model bacteriochlorophyll from two dihydrodipyrin halves. <i>New Journal of Chemistry</i> , 2021 , 45, 569-581	3.6	3
359	Considerations of the biosynthesis and molecular diversity of tolyporphins. <i>New Journal of Chemistry</i> , 2021 , 45, 12097-12107	3.6	2
358	A perspective on the redox properties of tetrapyrrole macrocycles. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 19130-19140	3.6	7
357	Synthesis of model bacteriochlorophylls containing substituents of native rings A, C and E. <i>New Journal of Chemistry</i> , 2021 , 45, 13302-13316	3.6	4
356	The fluorescence quantum yield parameter in Förster resonance energy transfer (FRET) □ Meaning, misperception, and molecular design. <i>Chemical Physics Reviews</i> , 2021 , 2, 011302	4.4	8
355	Design, Synthesis, and Utility of Defined Molecular Scaffolds. <i>Organics</i> , 2021 , 2, 161-273	9	2
354	Fluorescence Assay for Tolyporphins Amidst Abundant Chlorophyll in Crude Cyanobacterial Extracts. <i>Photochemistry and Photobiology</i> , 2021 ,	3.6	3

353	Synthesis of AD-Dihydrodipyrins Equipped with Latent Substituents of Native Chlorophylls and Bacteriochlorophylls. <i>Journal of Organic Chemistry</i> , 2021 , 86, 11794-11811	4.2	1
352	Electronic Structure and Excited-State Dynamics of Rylene-Tetrapyrrole Panchromatic Absorbers. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 7900-7919	2.8	4
351	Aqueous solubilization of hydrophobic tetrapyrrole macrocycles by attachment to an amphiphilic single-chain nanoparticle (SCNP). <i>New Journal of Chemistry</i> , 2020 , 44, 21293-21308	3.6	4
350	Asymmetric Synthesis of a Bacteriochlorophyll Model Compound Containing α -Dialkyl Substituents in Ring D. <i>Journal of Organic Chemistry</i> , 2020 , 85, 6605-6619	4.2	7
349	Fourfold alkyl wrapping of a copper(II) porphyrin thwarts macrocycle π -stacking in a compact supramolecular package. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2020 , 76, 647-654	0.8	1
348	Chromogenic agents built around a multifunctional double-triazine framework for enzymatically triggered cross-linking under physiological conditions. <i>New Journal of Chemistry</i> , 2020 , 44, 3856-3867	3.6	5
347	Riley Oxidation of Heterocyclic Intermediates on Paths to Hydroporphyrins-A Review. <i>Molecules</i> , 2020 , 25,	4.8	6
346	Analysis of Wikipedia pageviews to identify popular chemicals 2020 ,		2
345	Absorption and fluorescence spectra of organic compounds from 40 sources \square Archives, repositories, databases, and literature search engines 2020 ,		3
344	Crystal Structure of 1,9-Dibromo-5-phenyldipyrin, Tetrapyrrole Synthesis Derivative and Free Base Ligand of BODIPY Building Blocks. <i>X-ray Structure Analysis Online</i> , 2020 , 36, 21-22	0.2	1
343	Use of the Nascent Isocyclic Ring to Anchor Assembly of the Full Skeleton of Model Chlorophylls. <i>Journal of Organic Chemistry</i> , 2020 , 85, 702-715	4.2	6
342	Enzymatically triggered chromogenic cross-linking agents under physiological conditions. <i>New Journal of Chemistry</i> , 2020 , 44, 719-743	3.6	5
341	Engineering of an archaeal phosphodiesterase to trigger aggregation-induced emission (AIE) of synthetic substrates. <i>New Journal of Chemistry</i> , 2020 , 44, 14266-14277	3.6	0
340	Photophysical Properties and Electronic Structure of Zinc(II) Porphyrins Bearing 0-4 α -Phenyl Substituents: Zinc Porphine to Zinc Tetraphenylporphyrin (ZnTPP). <i>Journal of Physical Chemistry A</i> , 2020 , 124, 7776-7794	2.8	9
339	Bioconjugatable synthetic chlorins rendered water-soluble with three PEG-12 groups via click chemistry. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020 , 24, 362-378	1.8	5
338	Bacteriochlorin-bis(spermine) conjugate affords an effective photodynamic action to eradicate microorganisms. <i>Journal of Biophotonics</i> , 2020 , 13, e201960061	3.1	11
337	Heuristics from Modeling of Spectral Overlap in Förster Resonance Energy Transfer (FRET). <i>Journal of Chemical Information and Modeling</i> , 2019 , 59, 652-667	6.1	8
336	Self-assembly with fluorescence readout in a free base dipyrin β -polymer triggered by metal ion binding in aqueous solution. <i>New Journal of Chemistry</i> , 2019 , 43, 9711-9724	3.6	5

335	Annulated bacteriochlorins for near-infrared photophysical studies. <i>New Journal of Chemistry</i> , 2019 , 43, 7209-7232	3.6	12
334	New molecular design for blue BODIPYs. <i>New Journal of Chemistry</i> , 2019 , 43, 7233-7242	3.6	2
333	Cellular localization of tolyporphins, unusual tetrapyrroles, in a microbial photosynthetic community determined using hyperspectral confocal fluorescence microscopy. <i>Photosynthesis Research</i> , 2019 , 141, 259-271	3.7	8
332	Synthesis of the Ring C Pyrrole of Native Chlorophylls and Bacteriochlorophylls. <i>Journal of Organic Chemistry</i> , 2019 , 84, 11286-11293	4.2	10
331	Developing a user community in the photosciences: a website for spectral data and PhotochemCAD 2019 ,		4
330	Single-PolymerSingle-Cargo Strategy Packages Hydrophobic Fluorophores in Aqueous Solution with Retention of Inherent Brightness. <i>ACS Macro Letters</i> , 2019 , 8, 79-83	6.6	6
329	Expanding Covalent Attachment Sites of Nonnative Chromophores to Encompass the C-Terminal Hydrophilic Domain in Biohybrid Light-Harvesting Architectures. <i>ChemPhotoChem</i> , 2018 , 2, 300-313	3.3	1
328	Chlorophyll-Inspired Red-Region Fluorophores: Building Block Synthesis and Studies in Aqueous Media. <i>Molecules</i> , 2018 , 23,	4.8	9
327	Genome sequence, metabolic properties and cyanobacterial attachment of Porphyrobacter sp. HT-58-2 isolated from a filamentous cyanobacterium-microbial consortium. <i>Microbiology (United Kingdom)</i> , 2018 , 164, 1229-1239	2.9	8
326	Database of Absorption and Fluorescence Spectra of >300 Common Compounds for use in PhotochemCAD. <i>Photochemistry and Photobiology</i> , 2018 , 94, 290-327	3.6	205
325	PhotochemCAD 3: Diverse Modules for Photophysical Calculations with Multiple Spectral Databases. <i>Photochemistry and Photobiology</i> , 2018 , 94, 277-289	3.6	58
324	Quantitation of Tolyporphins, Diverse Tetrapyrrole Secondary Metabolites with Chlorophyll-Like Absorption, from a Filamentous Cyanobacterium-Microbial Community. <i>Phytochemical Analysis</i> , 2018 , 29, 205-216	3.4	11
323	Unusual Stability of a Bacteriochlorin Electrocatalyst under Reductive Conditions. A Case Study on CO ₂ Conversion to CO. <i>ACS Catalysis</i> , 2018 , 8, 10131-10136	13.1	21
322	Origin of Panchromaticity in Multichromophore-Tetrapyrrole Arrays. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 7181-7201	2.8	12
321	Total synthesis campaigns toward chlorophylls and related natural hydroporphyrins - diverse macrocycles, unrealized opportunities. <i>Natural Product Reports</i> , 2018 , 35, 879-901	15.1	22
320	Synthesis of arrays containing porphyrin, chlorin, and perylene-imide constituents for panchromatic light-harvesting and charge separation.. <i>RSC Advances</i> , 2018 , 8, 23854-23874	3.7	14
319	The Porphobilinogen Conundrum in Prebiotic Routes to Tetrapyrrole Macrocycles. <i>Origins of Life and Evolution of Biospheres</i> , 2017 , 47, 93-119	1.5	5
318	Construction of the Bacteriochlorin Macrocycle with Concomitant Nazarov Cyclization To Form the Annulated Isocyclic Ring: Analogues of Bacteriochlorophyll a. <i>Journal of Organic Chemistry</i> , 2017 , 82, 2489-2504	4.2	21

317	Multi-step excitation energy transfer engineered in genetic fusions of natural and synthetic light-harvesting proteins. <i>Journal of the Royal Society Interface</i> , 2017 , 14,	4.1	12
316	Hydrogen Evolution Catalysis by a Sparsely Substituted Cobalt Chlorin. <i>ACS Catalysis</i> , 2017 , 7, 3597-3606	13.1	37
315	Synthesis and photophysical characterization of bacteriochlorins equipped with integral swallowtail substituents. <i>New Journal of Chemistry</i> , 2017 , 41, 4360-4376	3.6	8
314	Photophysical Characterization of the Naturally Occurring Dioxobacteriochlorin Tolyporphin A and Synthetic Oxobacteriochlorin Analogues. <i>Photochemistry and Photobiology</i> , 2017 , 93, 1204-1215	3.6	20
313	Synthesis, photophysics and electronic structure of oxobacteriochlorins. <i>New Journal of Chemistry</i> , 2017 , 41, 3732-3744	3.6	13
312	Characterization of Hydroporphyrins Covalently Attached to Si(100). <i>Journal of Porphyrins and Phthalocyanines</i> , 2017 , 21, 453-464	1.8	4
311	Synthesis of tailored hydrodipyrins and their examination in directed routes to bacteriochlorins and tetrahydrocorrins. <i>New Journal of Chemistry</i> , 2017 , 41, 11170-11189	3.6	6
310	Genome Sequence and Composition of a Tolyporphin-Producing Cyanobacterium-Microbial Community. <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	10
309	Tailoring Panchromatic Absorption and Excited-State Dynamics of Tetrapyrrole-Chromophore (Bodipy, Rylene) Arrays-Interplay of Orbital Mixing and Configuration Interaction. <i>Journal of the American Chemical Society</i> , 2017 , 139, 17547-17564	16.4	26
308	Synthetic Chlorins, Possible Surrogates for Chlorophylls, Prepared by Derivatization of Porphyrins. <i>Chemical Reviews</i> , 2017 , 117, 344-535	68.1	169
307	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. <i>Journal of Porphyrins and Phthalocyanines</i> , 2017 , 21, 759-768	1.8	5
306	Synthesis and Spectral Properties of meso-Arylbacteriochlorins, Including Insights into Essential Motifs of their Hydrodipyrin Precursors. <i>Molecules</i> , 2017 , 22,	4.8	5
305	Northern-Southern Route to Synthetic Bacteriochlorins. <i>Journal of Organic Chemistry</i> , 2016 , 81, 11882-11897	11.9	24
304	Tuning the Electronic Structure and Properties of Perylene-Porphyrin-Perylene Panchromatic Absorbers. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 7434-50	2.8	10
303	Synthesis of diverse acyclic precursors to pyrroles for studies of prebiotic routes to tetrapyrrole macrocycles. <i>New Journal of Chemistry</i> , 2016 , 40, 8786-8808	3.6	8
302	Bioconjugatable, PEGylated Hydroporphyrins for Photochemistry and Photomedicine. Narrow-Band, Red-Emitting Chlorins. <i>New Journal of Chemistry</i> , 2016 , 40, 7721-7740	3.6	21
301	Bioconjugatable, PEGylated Hydroporphyrins for Photochemistry and Photomedicine. Narrow-Band, Near-Infrared-Emitting Bacteriochlorins. <i>New Journal of Chemistry</i> , 2016 , 40, 7750-7767	3.6	13
300	Complexity in structure-directed prebiotic chemistry. Unexpected compositional richness from competing reactants in tetrapyrrole formation. <i>New Journal of Chemistry</i> , 2016 , 40, 6421-6433	3.6	6

299	Synthesis and photophysical characteristics of 2,3,12,13-tetraalkylbacteriochlorins. <i>New Journal of Chemistry</i> , 2016 , 40, 5942-5956	3.6	17
298	Scope and limitations of two model prebiotic routes to tetrapyrrole macrocycles. <i>New Journal of Chemistry</i> , 2016 , 40, 7445-7455	3.6	3
297	Photophysical Properties and Electronic Structure of Porphyrins Bearing Zero to Four meso-Phenyl Substituents: New Insights into Seemingly Well Understood Tetrapyrroles. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 9719-9731	2.8	53
296	Complexity in structure-directed prebiotic chemistry. Reaction bifurcation from a β -diketone in tetrapyrrole formation. <i>New Journal of Chemistry</i> , 2016 , 40, 6434-6440	3.6	3
295	Integration of Cyanine, Merocyanine and Styryl Dye Motifs with Synthetic Bacteriochlorins. <i>Photochemistry and Photobiology</i> , 2016 , 92, 111-25	3.6	7
294	Photophysical comparisons of PEGylated porphyrins, chlorins and bacteriochlorins in water. <i>New Journal of Chemistry</i> , 2016 , 40, 9648-9656	3.6	20
293	Panchromatic chromophore-tetrapyrrole light-harvesting arrays constructed from Bodipy, perylene, terrylene, porphyrin, chlorin, and bacteriochlorin building blocks. <i>New Journal of Chemistry</i> , 2016 , 40, 8032-8052	3.6	28
292	Effects of substituents on synthetic analogs of chlorophylls. Part 4: How formyl group location dictates the spectral properties of chlorophylls b, d and f. <i>Photochemistry and Photobiology</i> , 2015 , 91, 331-42	3.6	19
291	Progress Towards Synthetic Chlorins with Graded Polarity, Conjugatable Substituents, and Wavelength Tunability. <i>Journal of Porphyrins and Phthalocyanines</i> , 2015 , 19, 547-572	1.8	7
290	Elaboration of an unexplored substitution site in synthetic bacteriochlorins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2015 , 19, 887-902	1.8	5
289	Self-Assembled Light-Harvesting System from Chromophores in Lipid Vesicles. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 10231-43	3.4	29
288	Hydrophilic bioconjugatable trans-AB-porphyrins and peptide conjugates. <i>Journal of Porphyrins and Phthalocyanines</i> , 2015 , 19, 663-678	1.8	6
287	Near-infrared tunable bacteriochlorins equipped for bioorthogonal labeling. <i>New Journal of Chemistry</i> , 2015 , 39, 4534-4550	3.6	11
286	Extending the short and long wavelength limits of bacteriochlorin near-infrared absorption via dioxo- and bisimide-functionalization. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 4382-95	3.4	49
285	Paley's watchmaker analogy and prebiotic synthetic chemistry in surfactant assemblies. Formaldehyde scavenging by pyrroles leading to porphyrins as a case study. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 10025-31	3.9	9
284	Complexity in structure-directed prebiotic chemistry. Effect of a defective competing reactant in tetrapyrrole formation. <i>New Journal of Chemistry</i> , 2015 , 39, 8273-8281	3.6	5
283	Polarity-tunable and wavelength-tunable bacteriochlorins bearing a single carboxylic acid or NHS ester. Use in a protein bioconjugation model system. <i>New Journal of Chemistry</i> , 2015 , 39, 403-419	3.6	13
282	Synthetic bacteriochlorins bearing polar motifs (carboxylate, phosphonate, ammonium and a short PEG). Water-solubilization, bioconjugation, and photophysical properties. <i>New Journal of Chemistry</i> , 2015 , 39, 5694-5714	3.6	23

281	De novo synthesis of gem-dialkyl chlorophyll analogues for probing and emulating our green world. <i>Chemical Reviews</i> , 2015 , 115, 6534-620	68.1	117
280	Photophysical Properties and Electronic Structure of Chlorin-Imides: Bridging the Gap between Chlorins and Bacteriochlorins. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 7503-15	3.4	21
279	Probing electronic communication for efficient light-harvesting functionality: dyads containing a common perylene and a porphyrin, chlorin, or bacteriochlorin. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 1630-47	3.4	20
278	Hydrophilic tetracarboxy bacteriochlorins for photonics applications. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 86-103	3.9	19
277	Amphiphilic, hydrophilic, or hydrophobic synthetic bacteriochlorins in biohybrid light-harvesting architectures: consideration of molecular designs. <i>Photosynthesis Research</i> , 2014 , 122, 187-202	3.7	10
276	Stable synthetic mono-substituted cationic bacteriochlorins mediate selective broad-spectrum photoinactivation of drug-resistant pathogens at nanomolar concentrations. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014 , 141, 119-27	6.7	40
275	Regioselective pyrrolic electrophilic substitution of hydrodipyrrolyl dialkylboron complexes facilitates access to synthetic models for chlorophyll f. <i>New Journal of Chemistry</i> , 2014 , 38, 1717	3.6	21
274	Panchromatic absorbers for solar light-harvesting. <i>Chemical Communications</i> , 2014 , 50, 14512-5	5.8	29
273	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. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 7520-7532	3.4	12
272	Photophysical properties and electronic structure of retinylidene-chlorin-chalcones and analogues. <i>Photochemical and Photobiological Sciences</i> , 2014 , 13, 634-50	4.2	10
271	NMR spectral properties of 16 synthetic bacteriochlorins with site-specific ¹³ C or ¹⁵ N substitution. <i>Journal of Porphyrins and Phthalocyanines</i> , 2014 , 18, 433-456	1.8	3
270	Synthesis of 24 bacteriochlorin isotopologues, each containing a symmetrical pair of ¹³ C or ¹⁵ N atoms in the inner core of the macrocycle. <i>Journal of Organic Chemistry</i> , 2014 , 79, 1001-16	4.2	18
269	Versatile design of biohybrid light-harvesting architectures to tune location, density, and spectral coverage of attached synthetic chromophores for enhanced energy capture. <i>Photosynthesis Research</i> , 2014 , 121, 35-48	3.7	27
268	Statistical considerations on the formation of circular photosynthetic light-harvesting complexes from <i>Rhodospseudomonas palustris</i> . <i>Photosynthesis Research</i> , 2014 , 121, 49-60	3.7	9
267	Enhanced light-harvesting capacity by micellar assembly of free accessory chromophores and LH1-like antennas. <i>Photochemistry and Photobiology</i> , 2014 , 90, 1264-76	3.6	11
266	Distinct photophysical and electronic characteristics of strongly coupled dyads containing a perylene accessory pigment and a porphyrin, chlorin, or bacteriochlorin. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 9288-304	3.4	32
265	Aqueous membrane partitioning of substituted porphyrins encompassing diverse polarity. <i>New Journal of Chemistry</i> , 2013 , 37, 1087	3.6	14
264	Palette of lipophilic bioconjugatable bacteriochlorins for construction of biohybrid light-harvesting architectures. <i>Chemical Science</i> , 2013 , 4, 2036	9.4	39

263	Enumeration of virtual libraries of combinatorial modular macrocyclic (bracelet, necklace) architectures and their linear counterparts. <i>Journal of Chemical Information and Modeling</i> , 2013 , 53, 2203-2216	6.1	6
262	Integration of multiple chromophores with native photosynthetic antennas to enhance solar energy capture and delivery. <i>Chemical Science</i> , 2013 , 4, 3924	9.4	33
261	Synthetic bacteriochlorins with integral spiro-piperidine motifs. <i>New Journal of Chemistry</i> , 2013 , 37, 1157-1166	3.6	18
260	Catalytic diversification upon metal scavenging in a prebiotic model for formation of tetrapyrrole macrocycles. <i>New Journal of Chemistry</i> , 2013 , 37, 2716	3.6	14
259	Serendipitous synthetic entry to tetrahydro analogues of cobalamins. <i>New Journal of Chemistry</i> , 2013 , 37, 3964	3.6	3
258	Photophysical properties and electronic structure of bacteriochlorin-chalcones with extended near-infrared absorption. <i>Photochemistry and Photobiology</i> , 2013 , 89, 586-604	3.6	19
257	Synthesis and photophysical properties of chlorins bearing 0-4 distinct meso-substituents. <i>Photochemical and Photobiological Sciences</i> , 2013 , 12, 2089-109	4.2	27
256	Expanded combinatorial formation of porphyrin macrocycles in aqueous solution containing vesicles. A prebiotic model. <i>New Journal of Chemistry</i> , 2013 , 37, 1073	3.6	17
255	Synthesis and evaluation of cationic bacteriochlorin amphiphiles with effective photodynamic activity against cancer cells at low nanomolar concentration. <i>Journal of Porphyrins and Phthalocyanines</i> , 2013 , 17, 73-85	1.8	16
254	Molecular electronic tuning of photosensitizers to enhance photodynamic therapy: synthetic dicyanobacteriochlorins as a case study. <i>Photochemistry and Photobiology</i> , 2013 , 89, 605-18	3.6	42
253	Amphiphilic chlorins and bacteriochlorins in micellar environments. Molecular design, de novo synthesis, and photophysical properties. <i>Chemical Science</i> , 2013 , 4, 3459	9.4	26
252	Effects of substituents on synthetic analogs of chlorophylls. Part 3: The distinctive impact of auxochromes at the 7- versus 3-positions. <i>Photochemistry and Photobiology</i> , 2012 , 88, 651-74	3.6	30
251	Stable synthetic bacteriochlorins for photodynamic therapy: role of dicyano peripheral groups, central metal substitution (2H, Zn, Pd), and Cremophor EL delivery. <i>ChemMedChem</i> , 2012 , 7, 2155-67	3.7	44
250	Biohybrid photosynthetic antenna complexes for enhanced light-harvesting. <i>Journal of the American Chemical Society</i> , 2012 , 134, 4589-99	16.4	77
249	Competing Knorr and FischerIndk pathways to pyrroles in neutral aqueous solution. <i>Tetrahedron</i> , 2012 , 68, 6957-6967	2.4	18
248	Effects of linker torsional constraints on the rate of ground-state hole transfer in porphyrin dyads. <i>Inorganic Chemistry</i> , 2012 , 51, 11076-86	5.1	6
247	Synthesis and physicochemical properties of metallochlorins. <i>Inorganic Chemistry</i> , 2012 , 51, 9443-64	3.6	74
246	Enumeration of Isomers of Substituted Tetrapyrrole Macrocyces: From Classical Problems in Biology to Modern Combinatorial Libraries. <i>Handbook of Porphyrin Science</i> , 2012 , 1-80	0.3	4

245	A tandem combinatorial model for the prebiogenesis of diverse tetrapyrrole macrocycles. <i>New Journal of Chemistry</i> , 2012 , 36, 1057	3.6	21
244	Self-organization of tetrapyrrole constituents to give a photoactive protocell. <i>Chemical Science</i> , 2012 , 3, 1963	9.4	24
243	Primordial oil slick and the formation of hydrophobic tetrapyrrole macrocycles. <i>Astrobiology</i> , 2012 , 12, 1055-68	3.7	14
242	Diversity, isomer composition, and design of combinatorial libraries of tetrapyrrole macrocycles. <i>Journal of Porphyrins and Phthalocyanines</i> , 2012 , 16, 1-13	1.8	24
241	Photophysical properties and electronic structure of stable, tunable synthetic bacteriochlorins: extending the features of native photosynthetic pigments. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 10801-16	3.4	80
240	A trans-AB-bacteriochlorin building block. <i>Journal of Organic Chemistry</i> , 2011 , 76, 9478-87	4.2	25
239	Structural characteristics that make chlorophylls green: interplay of hydrocarbon skeleton and substituents. <i>New Journal of Chemistry</i> , 2011 , 35, 76-88	3.6	38
238	Virtual libraries of tetrapyrrole macrocycles. Combinatorics, isomers, product distributions, and data mining. <i>Journal of Chemical Information and Modeling</i> , 2011 , 51, 2233-47	6.1	21
237	Molecules for charge-based information storage. <i>Accounts of Chemical Research</i> , 2011 , 44, 638-50	24.3	189
236	Abiotic formation of uroporphyrinogen and coproporphyrinogen from acyclic reactants. <i>New Journal of Chemistry</i> , 2011 , 35, 65-75	3.6	33
235	Facile synthesis of a B,D-tetradehydrocorrins and rearrangement to bacteriochlorins. <i>New Journal of Chemistry</i> , 2011 , 35, 1376	3.6	13
234	De novo synthesis and properties of analogues of the self-assembling chlorosomal bacteriochlorophylls. <i>New Journal of Chemistry</i> , 2011 , 35, 2671	3.6	17
233	De novo synthesis and photophysical characterization of annulated bacteriochlorins. Mimicking and extending the properties of bacteriochlorophylls. <i>New Journal of Chemistry</i> , 2011 , 35, 587	3.6	38
232	Tapping the near-infrared spectral region with bacteriochlorin arrays. <i>New Journal of Chemistry</i> , 2011 , 35, 511	3.6	59
231	Synthesis and photophysical characterization of stable indium bacteriochlorins. <i>Inorganic Chemistry</i> , 2011 , 50, 4607-18	5.1	31
230	Encoding isotopic watermarks in molecular electronic materials as an anti-counterfeiting strategy: Application to porphyrins for information storage. <i>Journal of Porphyrins and Phthalocyanines</i> , 2011 , 15, 505-516	1.8	6
229	In vitro photodynamic therapy and quantitative structure-activity relationship studies with stable synthetic near-infrared-absorbing bacteriochlorin photosensitizers. <i>Journal of Medicinal Chemistry</i> , 2010 , 53, 4018-27	8.3	88
228	Expanded scope of synthetic bacteriochlorins via improved acid catalysis conditions and diverse dihydrodipyrin-acetals. <i>Journal of Organic Chemistry</i> , 2010 , 75, 1016-39	4.2	105

227	Probing the rate of hole transfer in oxidized synthetic chlorin dyads via site-specific (13)C-labeling. <i>Journal of Organic Chemistry</i> , 2010 , 75, 3193-202	4.2	6
226	Stable synthetic bacteriochlorins overcome the resistance of melanoma to photodynamic therapy. <i>FASEB Journal</i> , 2010 , 24, 3160-70	0.9	80
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