

Jonathan S Lindsey

List of Publications by Year in descending order

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374
papers

26,542
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5574

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146
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379
docs citations

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times ranked

12662
citing authors

#	ARTICLE	IF	CITATIONS
1	Rothmund and Adler-Longo reactions revisited: synthesis of tetraphenylporphyrins under equilibrium conditions. <i>Journal of Organic Chemistry</i> , 1987, 52, 827-836.	3.2	1,362
2	Probing Electronic Communication in Covalently Linked Multiporphyrin Arrays. A Guide to the Rational Design of Molecular Photonic Devices. <i>Accounts of Chemical Research</i> , 2002, 35, 57-69.	15.6	834
3	Investigation of the synthesis of ortho-substituted tetraphenylporphyrins. <i>Journal of Organic Chemistry</i> , 1989, 54, 828-836.	3.2	687
4	PhotochemCAD: A Computer-Aided Design and Research Tool in Photochemistry. <i>Photochemistry and Photobiology</i> , 1998, 68, 141.	2.5	620
5	PhotochemCAD: A Computer-Aided Design and Research Tool in Photochemistry. <i>Photochemistry and Photobiology</i> , 1998, 68, 141-142.	2.5	593
6	One-flask synthesis of meso-substituted dipyrromethanes and their application in the synthesis of trans-substituted porphyrin building blocks. <i>Tetrahedron</i> , 1994, 50, 11427-11440.	1.9	521
7	Molecular Memories That Survive Silicon Device Processing and Real-World Operation. <i>Science</i> , 2003, 302, 1543-1545.	12.6	502
8	Refined Synthesis of 5-Substituted Dipyrromethanes. <i>Journal of Organic Chemistry</i> , 1999, 64, 1391-1396.	3.2	454
9	Design, Synthesis, and Photodynamics of Light-Harvesting Arrays Comprised of a Porphyrin and One, Two, or Eight Boron-Dipyrin Accessory Pigments. <i>Journal of the American Chemical Society</i> , 1998, 120, 10001-10017.	13.7	428
10	Structural Control of the Photodynamics of Boron-Dipyrin Complexes. <i>Journal of Physical Chemistry B</i> , 2005, 109, 20433-20443.	2.6	375
11	Molecular Optoelectronic Gates. <i>Journal of the American Chemical Society</i> , 1996, 118, 3996-3997.	13.7	357
12	An Artificial Photosynthetic Antenna-Reaction Center Complex. <i>Journal of the American Chemical Society</i> , 1999, 121, 8604-8614.	13.7	336
13	Soluble Synthetic Multiporphyrin Arrays. 2. Photodynamics of Energy-Transfer Processes. <i>Journal of the American Chemical Society</i> , 1996, 118, 11181-11193.	13.7	310
14	Database of Absorption and Fluorescence Spectra of >300 Common Compounds for use in PhotochemCAD. <i>Photochemistry and Photobiology</i> , 2018, 94, 290-327.	2.5	306
15	Synthetic Routes to <i>meso</i> -Patterned Porphyrins. <i>Accounts of Chemical Research</i> , 2010, 43, 300-311.	15.6	302
16	Investigation of Conditions Giving Minimal Scrambling in the Synthesis of trans-Porphyrins from Dipyrromethanes and Aldehydes. <i>Journal of Organic Chemistry</i> , 1999, 64, 2864-2872.	3.2	300
17	Synthesis of Ethyne-Linked or Butadiyne-Linked Porphyrin Arrays Using Mild, Copper-Free, Pd-Mediated Coupling Reactions. <i>Journal of Organic Chemistry</i> , 1995, 60, 5266-5273.	3.2	297
18	A Scalable Synthesis of Meso-Substituted Dipyrromethanes. <i>Organic Process Research and Development</i> , 2003, 7, 799-812.	2.7	284

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19	Building-block synthesis of porphyrin light-harvesting arrays. <i>Journal of the American Chemical Society</i> , 1993, 115, 7519-7520.	13.7	275
20	Porphyrin building blocks for modular construction of bioorganic model systems. <i>Tetrahedron</i> , 1994, 50, 8941-8968.	1.9	272
21	Soluble Synthetic Multiporphyrin Arrays. 1. Modular Design and Synthesis. <i>Journal of the American Chemical Society</i> , 1996, 118, 11166-11180.	13.7	268
22	Rational Syntheses of Porphyrins Bearing up to Four Different Meso Substituents. <i>Journal of Organic Chemistry</i> , 2000, 65, 7323-7344.	3.2	253
23	Synthetic Chlorins, Possible Surrogates for Chlorophylls, Prepared by Derivatization of Porphyrins. <i>Chemical Reviews</i> , 2017, 117, 344-535.	47.7	250
24	Template-Directed Synthesis, Excited-State Photodynamics, and Electronic Communication in a Hexameric Wheel of Porphyrins. <i>Journal of the American Chemical Society</i> , 1999, 121, 8927-8940.	13.7	246
25	Effects of Orbital Ordering on Electronic Communication in Multiporphyrin Arrays. <i>Journal of the American Chemical Society</i> , 1997, 119, 11191-11201.	13.7	224
26	Excited-State Energy-Transfer Dynamics in Self-Assembled Triads Composed of Two Porphyrins and an Intervening Bis(dipyrinato)metal Complex. <i>Inorganic Chemistry</i> , 2003, 42, 6629-6647.	4.0	214
27	Molecules for Charge-Based Information Storage. <i>Accounts of Chemical Research</i> , 2011, 44, 638-650.	15.6	207
28	An Efficient One-Flask Synthesis of N-Confused Tetraphenylporphyrin. <i>Organic Letters</i> , 1999, 1, 1455-1458.	4.6	206
29	Measurements of Electron-Transfer Rates of Charge-Storage Molecular Monolayers on Si(100). Toward Hybrid Molecular/Semiconductor Information Storage Devices. <i>Journal of the American Chemical Society</i> , 2003, 125, 505-517.	13.7	204
30	Structural Control of the Excited-State Dynamics of Bis(dipyrinato)zinc Complexes: A Self-Assembling Chromophores for Light-Harvesting Architectures. <i>Journal of the American Chemical Society</i> , 2004, 126, 2664-2665.	13.7	204
31	PhotochemCAD 2: A Refined Program with Accompanying Spectral Databases for Photochemical Calculations. <i>Photochemistry and Photobiology</i> , 2005, 81, 212.	2.5	202
32	Efficient Energy Transfer and Electron Transfer in an Artificial Photosynthetic Antenna Reaction Center Complex. <i>Journal of Physical Chemistry A</i> , 2002, 106, 2036-2048.	2.5	175
33	Investigation of MALDI-TOF Mass Spectrometry of Diverse Synthetic Metalloporphyrins, Phthalocyanines and Multiporphyrin Arrays. <i>Journal of Porphyrins and Phthalocyanines</i> , 1999, 03, 283-291.	0.8	168
34	Energy-Transfer Modeling for the Rational Design of Multiporphyrin Light-Harvesting Arrays. <i>Journal of Physical Chemistry B</i> , 1998, 102, 4209-4216.	2.6	158
35	A Simple Method for Preparing Magnesium Porphyrins. <i>Inorganic Chemistry</i> , 1995, 34, 1063-1069.	4.0	152
36	De Novo Synthesis of Gem-Dialkyl Chlorophyll Analogues for Probing and Emulating Our Green World. <i>Chemical Reviews</i> , 2015, 115, 6534-6620.	47.7	143

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37	Structural Control of Photoinduced Energy Transfer between Adjacent and Distant Sites in Multiporphyrin Arrays. <i>Journal of the American Chemical Society</i> , 2000, 122, 7579-7591.	13.7	141
38	Synthesis of α -Porphyrin-Linker-Thiol β -Molecules with Diverse Linkers for Studies of Molecular-Based Information Storage. <i>Journal of Organic Chemistry</i> , 2000, 65, 7345-7355.	3.2	139
39	De Novo Synthesis of Stable Tetrahydroporphyrinic Macrocycles: α Bacteriochlorins and a Tetradehydrocorrin. <i>Journal of Organic Chemistry</i> , 2005, 70, 5475-5486.	3.2	137
40	Stable Synthetic Cationic Bacteriochlorins as Selective Antimicrobial Photosensitizers. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 3834-3841.	3.2	136
41	Design and Synthesis of Porphyrin-Based Optoelectronic Gates. <i>Chemistry of Materials</i> , 2001, 13, 1023-1034.	6.7	135
42	Synthesis and Photophysical Properties of Light-Harvesting Arrays Comprised of a Porphyrin Bearing Multiple Perylene-Monoimide Accessory Pigments. <i>Journal of Organic Chemistry</i> , 2002, 67, 6519-6534.	3.2	134
43	Investigation of a Synthesis of meso-Porphyrins Employing High Concentration Conditions and an Electron Transport Chain for Aerobic Oxidation. <i>Journal of Organic Chemistry</i> , 1994, 59, 579-587.	3.2	130
44	A Tightly Coupled Linear Array of Perylene, Bis(Porphyrin), and Phthalocyanine Units that Functions as a Photoinduced Energy-Transfer Cascade. <i>Journal of Organic Chemistry</i> , 2000, 65, 6634-6649.	3.2	125
45	Accessing the near-infrared spectral region with stable, synthetic, wavelength-tunable bacteriochlorins. <i>New Journal of Chemistry</i> , 2008, 32, 947.	2.8	120
46	Expanded Scope of Synthetic Bacteriochlorins via Improved Acid Catalysis Conditions and Diverse Dihydrodipyrin-Acetals. <i>Journal of Organic Chemistry</i> , 2010, 75, 1016-1039.	3.2	119
47	Diverse Redox-Active Molecules Bearing Identical Thiol-Terminated Tripodal Tethers for Studies of Molecular Information Storage. <i>Journal of Organic Chemistry</i> , 2004, 69, 1461-1469.	3.2	114
48	Imidazole metalloporphyrins as photosensitizers for photodynamic therapy: Role of molecular charge, central metal and hydroxyl radical production. <i>Cancer Letters</i> , 2009, 282, 63-76.	7.2	114
49	Ground and Excited State Electronic Properties of Halogenated Tetraarylporphyrins: Tuning the Building Blocks for Porphyrin-based Photonic Devices. <i>Journal of Porphyrins and Phthalocyanines</i> , 1999, 03, 117-147.	0.8	112
50	Rational Synthesis of Meso-Substituted Chlorin Building Blocks. <i>Journal of Organic Chemistry</i> , 2000, 65, 3160-3172.	3.2	111
51	Efficient Synthesis of Monoacyl Dipyrromethanes and Their Use in the Preparation of Sterically Unhindered trans-Porphyrins. <i>Journal of Organic Chemistry</i> , 2000, 65, 1084-1092.	3.2	111
52	Synthesis and Excited-State Photodynamics of Perylene π -Porphyrin Dyads. 1. Parallel Energy and Charge Transfer via a Diphenylethyne Linker. <i>Journal of Physical Chemistry B</i> , 2001, 105, 8237-8248.	2.6	110
53	Thiol-Derivatized Porphyrins for Attachment to Electroactive Surfaces. <i>Journal of Organic Chemistry</i> , 1999, 64, 8635-8647.	3.2	108
54	Excited-State Energy Transfer and Ground-State Hole/Electron Hopping in p-Phenylene-Linked Porphyrin Dimers. <i>Journal of Physical Chemistry B</i> , 1998, 102, 9426-9436.	2.6	107

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55	Effects of central metal ion (Mg, Zn) and solvent on singlet excited-state energy flow in porphyrin-based nanostructures. <i>Journal of Materials Chemistry</i> , 1997, 7, 1245-1262.	6.7	105
56	Molecular approach toward information storage based on the redox properties of porphyrins in self-assembled monolayers. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2000, 18, 2359.	1.6	105
57	Beneficial effects of salts on an acid-catalyzed condensation leading to porphyrin formation. <i>Tetrahedron</i> , 1997, 53, 12339-12360.	1.9	103
58	Interplay of Orbital Tuning and Linker Location in Controlling Electronic Communication in Porphyrin Arrays. <i>Journal of the American Chemical Society</i> , 1999, 121, 4008-4018.	13.7	102
59	Design and synthesis of manganese porphyrins with tailored lipophilicity: Investigation of redox properties and superoxide dismutase activity. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 7066-7086.	3.0	100
60	Synthesis of Thiol-Derivatized Ferrocene~Porphyrins for Studies of Multibit Information Storage. <i>Journal of Organic Chemistry</i> , 2000, 65, 7356-7362.	3.2	99
61	Capacitance and conductance characterization of ferrocene-containing self-assembled monolayers on silicon surfaces for memory applications. <i>Applied Physics Letters</i> , 2002, 81, 1494-1496.	3.3	98
62	Examination of Tethered Porphyrin, Chlorin, and Bacteriochlorin Molecules in Mesoporous Metal-Oxide Solar Cells. <i>Journal of Physical Chemistry C</i> , 2007, 111, 15464-15478.	3.1	98
63	Investigation and Refinement of Palladium-Coupling Conditions for the Synthesis of Diarylethyne-Linked Multiporphyrin Arrays. <i>Chemistry of Materials</i> , 1999, 11, 2974-2983.	6.7	96
64	Studies related to the design and synthesis of a molecular octal counter. <i>Journal of Materials Chemistry</i> , 2001, 11, 1162-1180.	6.7	95
65	Rational Synthesis of Trans-Substituted Porphyrin Building Blocks Containing One Sulfur or Oxygen Atom in Place of Nitrogen at a Designated Site. <i>Journal of Organic Chemistry</i> , 1999, 64, 7890-7901.	3.2	94
66	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, 4018-4027.	6.4	93
67	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, 10801-10816.	2.6	93
68	Synthetic Chlorins Bearing Auxochromes at the 3- and 13-Positions. <i>Journal of Organic Chemistry</i> , 2006, 71, 4092-4102.	3.2	92
69	Photophysical characterization of imidazolium-substituted Pd(II), In(III), and Zn(II) porphyrins as photosensitizers for photodynamic therapy. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 200, 346-355.	3.9	91
70	Synthetic approaches to regioisomerically pure porphyrins bearing four different meso-substituents. <i>Tetrahedron</i> , 1995, 51, 11645-11672.	1.9	90
71	Rational Synthesis of Meso-Substituted Porphyrins Bearing One Nitrogen Heterocyclic Group. <i>Journal of Organic Chemistry</i> , 2000, 65, 2249-2252.	3.2	90
72	A Self-Assembled Light-Harvesting Array of Seven Porphyrins in a Wheel and Spoke Architecture. <i>Organic Letters</i> , 2000, 2, 2563-2566.	4.6	90

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73	Synthesis and properties of weakly coupled dendrimeric multiporphyrin light-harvesting arrays and hole-storage reservoirs. Electronic supplementary information (ESI) available: a description of multiphoton effects at high excitation intensities; the complete Experimental section including descriptions of the syntheses of the arrays; SEC data, ¹ H NMR spectra, and mass spectra for all new porphyrins and multiporphyrin arrays; a description of exploratory studies in the purification of Zn2OFb; data from a compar. <i>Journal of Materials Chemistry</i> , 2002, 12, 65-80.	6.7	90
74	Stable synthetic bacteriochlorins overcome the resistance of melanoma to photodynamic therapy. <i>FASEB Journal</i> , 2010, 24, 3160-3170.	0.5	90
75	Comprehensive review of photophysical parameters ($\hat{\mu}$, $\hat{\mu}_f$, $\hat{\mu}_s$) 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.	11.6	90
76	Synthesis and Physicochemical Properties of Metallobacteriochlorins. <i>Inorganic Chemistry</i> , 2012, 51, 9443-9464.	4.0	89
77	Synthesis and excited-state photodynamics of phenylethyne-linked porphyrin-phthalocyanine dyads. <i>Journal of Materials Chemistry</i> , 2000, 10, 283-296.	6.7	87
78	Rational Syntheses of Cyclic Hexameric Porphyrin Arrays for Studies of Self-Assembling Light-Harvesting Systems. <i>Journal of Organic Chemistry</i> , 2001, 66, 7402-7419.	3.2	87
79	Biohybrid Photosynthetic Antenna Complexes for Enhanced Light-Harvesting. <i>Journal of the American Chemical Society</i> , 2012, 134, 4589-4599.	13.7	87
80	PhotochemCAD 3: Diverse Modules for Photophysical Calculations with Multiple Spectral Databases. <i>Photochemistry and Photobiology</i> , 2018, 94, 277-289.	2.5	87
81	Visible light-harvesting in covalently-linked porphyrin-cyanine dyes. <i>Tetrahedron</i> , 1989, 45, 4845-4866.	1.9	86
82	Synthesis of Meso-Substituted Chlorins via Tetrahydrobilene- α Intermediates. <i>Journal of Organic Chemistry</i> , 2001, 66, 7342-7354.	3.2	86
83	A Survey of Acid Catalysts for Use in Two-Step, One-Flask Syntheses of Meso-Substituted Porphyrinic Macrocycles. <i>Organic Letters</i> , 2000, 2, 1745-1748.	4.6	85
84	Characterization of Charge Storage in Redox-Active Self-Assembled Monolayers. <i>Langmuir</i> , 2002, 18, 4030-4040.	3.5	85
85	Synthesis and Properties of Star-Shaped Multiporphyrin-Phthalocyanine Light-Harvesting Arrays. <i>Journal of Organic Chemistry</i> , 1999, 64, 9090-9100.	3.2	84
86	Comparison of Electron-Transfer and Charge-Retention Characteristics of Porphyrin-Containing Self-Assembled Monolayers Designed for Molecular Information Storage. <i>Journal of Physical Chemistry B</i> , 2002, 106, 8639-8648.	2.6	84
87	Efficient Synthesis of Light-Harvesting Arrays Composed of Eight Porphyrins and One Phthalocyanine. <i>Journal of Organic Chemistry</i> , 1999, 64, 9101-9108.	3.2	83
88	Investigation of porphyrin-forming reactions. Part 3. The origin of scrambling in dipyrromethane+aldehyde condensations yielding trans-A2B2-tetraarylporphyrins. <i>Perkin Transactions II RSC</i> , 2001, , 701-711.	1.1	83
89	Synthesis of Linear Amphipathic Porphyrin Dimers and Trimers: An Approach to Bilayer Lipid Membrane Spanning Porphyrin Arrays. <i>Journal of Organic Chemistry</i> , 1996, 61, 7534-7544.	3.2	82
90	Synthesis of Thiol-Derivatized Europium Porphyrinic Triple-Decker Sandwich Complexes for Multibit Molecular Information Storage. <i>Journal of Organic Chemistry</i> , 2000, 65, 7379-7390.	3.2	81

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91	Structural Characterization of Modular Supramolecular Architectures in Solution. <i>Journal of the American Chemical Society</i> , 2004, 126, 14054-14062.	13.7	80
92	Synthesis of perylene-3,4,9,10-tetracarboxylic diimide building blocks and rod-like oligomers for light-harvesting applications. <i>Journal of Materials Chemistry</i> , 2002, 12, 3438-3451.	6.7	79
93	Porphyrins Bearing Mono or Tripodal Benzylphosphonic Acid Tethers for Attachment to Oxide Surfaces. <i>Journal of Organic Chemistry</i> , 2004, 69, 1453-1460.	3.2	79
94	A Tin-Complexation Strategy for Use with Diverse Acylation Methods in the Preparation of 1,9-Diacyldipyrromethanes. <i>Journal of Organic Chemistry</i> , 2004, 69, 765-777.	3.2	78
95	Laser Desorption Mass Spectrometry of Synthetic Multiporphyrin Arrays. <i>Journal of Porphyrins and Phthalocyanines</i> , 1997, 01, 93-99.	0.8	77
96	Effects of Substituents on Synthetic Analogs of Chlorophylls. Part 2: Redox Properties, Optical Spectra and Electronic Structure. <i>Photochemistry and Photobiology</i> , 2007, 83, 1125-1143.	2.5	77
97	Photophysical Properties and Electronic Structure of Porphyrins Bearing Zero to Four <i>meso</i> -Phenyl Substituents: New Insights into Seemingly Well Understood Tetrapyrroles. <i>Journal of Physical Chemistry A</i> , 2016, 120, 9719-9731.	2.5	75
98	Investigation of Rational Syntheses of Heteroleptic Porphyrinic Lanthanide (Europium, Cerium) Triple-Decker Sandwich Complexes. <i>Inorganic Chemistry</i> , 2001, 40, 4762-4774.	4.0	74
99	N-Confused Tetraphenylporphyrin and Tetraphenylsapphyrin Formation in One-Flask Syntheses of Tetraphenylporphyrin. <i>Journal of Organic Chemistry</i> , 1999, 64, 1596-1603.	3.2	73
100	Rational Synthesis of β -Substituted Chlorin Building Blocks. <i>Journal of Organic Chemistry</i> , 2000, 65, 7919-7929.	3.2	72
101	Characterization of Self-Assembled Monolayers of Porphyrins Bearing Multiple Thiol-Derivatized Rigid-Rod Tethers. <i>Journal of the American Chemical Society</i> , 2004, 126, 11944-11953.	13.7	72
102	Porphyrins Bearing Arylphosphonic Acid Tethers for Attachment to Oxide Surfaces. <i>Journal of Organic Chemistry</i> , 2004, 69, 1444-1452.	3.2	71
103	Regioselective 15-Bromination and Functionalization of a Stable Synthetic Bacteriochlorin. <i>Journal of Organic Chemistry</i> , 2007, 72, 5350-5357.	3.2	68
104	Effects of Substituents on Synthetic Analogs of Chlorophylls. Part 1: Synthesis, Vibrational Properties and Excited-state Decay Characteristics. <i>Photochemistry and Photobiology</i> , 2007, 83, 1110-1124.	2.5	68
105	Bioconjugatable Porphyrins Bearing a Compact Swallowtail Motif for Water Solubility. <i>Bioconjugate Chemistry</i> , 2006, 17, 638-653.	3.6	67
106	Tapping the near-infrared spectral region with bacteriochlorin arrays. <i>New Journal of Chemistry</i> , 2011, 35, 511.	2.8	67
107	Investigation of two rational routes for preparing p-phenylene-linked porphyrin trimers. <i>Tetrahedron</i> , 2001, 57, 9285-9298.	1.9	66
108	Direct Synthesis of Magnesium Porphine via 1-Formyldipyrromethane. <i>Journal of Organic Chemistry</i> , 2007, 72, 5008-5011.	3.2	66

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109	Porphyrin Architectures Tailored for Studies of Molecular Information Storage. <i>Journal of Organic Chemistry</i> , 2004, 69, 6739-6750.	3.2	64
110	Tailoring a Bacteriochlorin Building Block with Cationic, Amphipathic, or Lipophilic Substituents. <i>Journal of Organic Chemistry</i> , 2008, 73, 5806-5820.	3.2	64
111	Synthesis and excited-state photodynamics of peryleneâ€“porphyrin dyads Part 3. Effects of perylene, linker, and connectivity on ultrafast energy transfer. <i>Journal of Materials Chemistry</i> , 2001, 11, 2420-2430.	6.7	63
112	Structural and Electron-Transfer Characteristics of O-, S-, and Se-Tethered Porphyrin Monolayers on Si(100). <i>Journal of the American Chemical Society</i> , 2004, 126, 15603-15612.	13.7	63
113	Sparsely substituted chlorins as core constructs in chlorophyll analogue chemistry. Part 3: Spectral and structural properties. <i>Tetrahedron</i> , 2007, 63, 3850-3863.	1.9	63
114	Synthesis of phenylethyne-linked porphyrin dyads. <i>Tetrahedron</i> , 2004, 60, 2011-2023.	1.9	62
115	Diverse Redox-Active Molecules Bearing O-, S-, or Se-Terminated Tethers for Attachment to Silicon in Studies of Molecular Information Storage. <i>Journal of Organic Chemistry</i> , 2004, 69, 1435-1443.	3.2	62
116	Effects of aldehyde or dipyrromethane substituents on the reaction course leading to meso-substituted porphyrins. <i>Tetrahedron</i> , 2004, 60, 11435-11444.	1.9	61
117	Investigation of Streamlined Syntheses of Porphyrins Bearing Distinct Meso Substituents. <i>Organic Process Research and Development</i> , 2006, 10, 118-134.	2.7	61
118	Synthesis and Characterization of Tetrachlorodiarylethyne-Linked Porphyrin Dimers. Effects of Linker Architecture on Intradimer Electronic Communication. <i>Inorganic Chemistry</i> , 1998, 37, 1191-1201.	4.0	59
119	Synthesis and Electronic Properties of Regioisomerically Pure Oxochlorins. <i>Journal of Organic Chemistry</i> , 2002, 67, 7329-7342.	3.2	59
120	Electrical characterization of redox-active molecular monolayers on SiO ₂ for memory applications. <i>Applied Physics Letters</i> , 2003, 83, 198-200.	3.3	59
121	Alkylthio Unit as an Î±-Pyrrole Protecting Group for Use in Dipyrromethane Synthesis. <i>Journal of Organic Chemistry</i> , 2006, 71, 903-910.	3.2	59
122	Synthesis of a cofacial porphyrin-quinone via entropically favored macropolycyclization. <i>Journal of the American Chemical Society</i> , 1982, 104, 4498-4500.	13.7	58
123	Photophysics of a cofacial porphyrin-quinone cage molecule and related compounds: fluorescence properties, flash transients, and electron-transfer reactions. <i>Journal of the American Chemical Society</i> , 1988, 110, 3610-3621.	13.7	58
124	Synthesis of Porphyrins Bearing Hydrocarbon Tethers and Facile Covalent Attachment to Si(100). <i>Journal of Organic Chemistry</i> , 2004, 69, 5568-5577.	3.2	58
125	Stepwise Formation and Characterization of Covalently Linked Multiporphyrinâ€“Imide Architectures on Si(100). <i>Journal of the American Chemical Society</i> , 2006, 128, 6965-6974.	13.7	58
126	PhotochemCAD 2: A Refined Program with Accompanying Spectral Databases for Photochemical Calculations. <i>Photochemistry and Photobiology</i> , 2005, 81, 212-213.	2.5	58

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127	Absorption and Fluorescence Spectral Database of Chlorophylls and Analogues. <i>Photochemistry and Photobiology</i> , 2021, 97, 136-165.	2.5	58
128	Trans-Substituted porphyrin building blocks bearing iodo and ethynyl groups for applications in bioorganic and materials chemistry. <i>Tetrahedron</i> , 1998, 54, 7721-7734.	1.9	57
129	Synthesis of Cyclic Hexameric Porphyrin Arrays. Anchors for Surface Immobilization and Columnar Self-Assembly. <i>Journal of Organic Chemistry</i> , 2003, 68, 8199-8207.	3.2	57
130	Investigation of Tightly Coupled Porphyrin Arrays Comprised of Identical Monomers for Multibit Information Storage. <i>Journal of Organic Chemistry</i> , 2000, 65, 7371-7378.	3.2	56
131	Investigation of acid cocatalysis in syntheses of tetraphenylporphyrin. <i>Journal of Porphyrins and Phthalocyanines</i> , 2001, 05, 681-690.	0.8	56
132	Glaser-Mediated Synthesis and Photophysical Characterization of Diphenylbutadiyne-Linked Porphyrin Dyads. <i>Journal of Organic Chemistry</i> , 2002, 67, 2111-2117.	3.2	56
133	Design, synthesis, and characterization of prototypical multistate counters in three distinct architecturesElectronic supplementary information (ESI) available: ¹ H NMR and ¹³ C NMR spectra for each dipyrromethane; absorption, LD-MS, and ¹ H NMR spectra for each porphyrin and each triple decker; absorption and LD-MS spectra for each triple-decker dyad. See http://www.rsc.org/suppldata/jnl/11/1/100520 . <i>Journal of Materials Chemistry</i> , 2002, 12, 800-820.	6.7	56
134	Introduction of a Third Meso Substituent into 5,10-Diaryl Chlorins and Oxochlorins. <i>Journal of Organic Chemistry</i> , 2005, 70, 275-285.	3.2	56
135	Sparsely substituted chlorins as core constructs in chlorophyll analogue chemistry. Part 1: Synthesis. <i>Tetrahedron</i> , 2007, 63, 3826-3839.	1.9	56
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