Daniel Seidel

List of Publications by Year
in descending order

127 papers	10,627 citations	20817 60 h-index	32842 100 g-index
187 all docs	187 docs citations	187 times ranked	6147 citing authors

#	Article	IF	Citations
1	Synthesis of Polycyclic Isoindolines via Î±-Câ€“H/Nâ€“H Annulation of Alicyclic Amines. Organic Letters, 2022, 24, 1224-1227.	4.6	6
2	Diversification of Unprotected Alicyclic Amines by Câˆ’H Bond Functionalization: Decarboxylative Alkylation of Transient Imines. Angewandte Chemie, 2021, 133, 1649-1652.	2.0	2
3	Diversification of Unprotected Alicyclic Amines by Câˆ’H Bond Functionalization: Decarboxylative Alkylation of Transient Imines. Angewandte Chemie - International Edition, 2021, 60, 1625-1628.	13.8	30
4	Î±-Câ€“H Bond Functionalization of Unprotected Alicyclic Amines: Lewis-Acid-Promoted Addition of Enolates to Transient Imines. Organic Letters, 2021, 23, 797-801.	4.6	13
5	Î±-Câ€“H/Nâ€“H Annulation of Alicyclic Amines via Transient Imines: Preparation of Polycyclic Lactams. Organic Letters, 2021, 23, 3729-3734.	4.6	17
6	Câ€“H Bond Functionalization of Amines: A Graphical Overview of Diverse Methods. SynOpen, 2021, 05, 173-228.	1.7	40
7	Î±,Î±â€²-Câ€“H Bond Difunctionalization of Unprotected Alicyclic Amines. Organic Letters, 2021, 23, 6367-6371.	4.6	17
8	Condensation-Based Methods for the Câ€“H Bond Functionalization of Amines. Synthesis, 2021, 53, 3869-3908.	2.3	22
9	Highly Acidic Conjugateâ€‘Baseâ€‘Stabilized Carboxylic Acids Catalyze Enantioselective oxaâ€‘Pictetâ€“Spengler Reactions with Ketals. Angewandte Chemie - International Edition, 2020, 59, 2028-2032.	13.8	34
10	Highly Acidic Conjugateâ€‘Baseâ€‘Stabilized Carboxylic Acids Catalyze Enantioselective oxaâ€‘Pictetâ€“Spengler Reactions with Ketals. Angewandte Chemie, 2020, 132, 2044-2048.	2.0	8
11	Modular Design of Chiral Conjugate-Base-Stabilized Carboxylic Acids: Catalytic Enantioselective [4 + 2] Cycloadditions of Acetals. Journal of the American Chemical Society, 2020, 142, 15252-15258.	13.7	25
12	Rapid functionalization of multiple Câ€“H bonds in unprotected alicyclic amines. Nature Chemistry, 2020, 12, 545-550.	13.6	67
13	A Selenourea-Thiourea BrÃ¸nsted Acid Catalyst Facilitates Asymmetric Conjugate Additions of Amines to Î±,Î²-Unsaturated Esters. Journal of the American Chemical Society, 2020, 142, 5627-5635.	13.7	45
14	Redox-Annulations of Cyclic Amines with <i>ortho</i>-Cyanomethylbenzaldehydes. Organic Letters, 2020, 22, 976-980.	4.6	18
15	Traceless Redox-Annulations of Alicyclic Amines. SynOpen, 2020, 04, 123-131.	1.7	7
16	Catalytic Enantioselective Approaches to the oxa-Pictetâ€“Spengler Cyclization and Other 3,6-Dihydropyran-Forming Reactions. SynOpen, 2019, 03, 77-90.	1.7	10
17	Î±-Functionalization of Cyclic Secondary Amines: Lewis Acid Promoted Addition of Organometallics to Transient Imines. Journal of the American Chemical Society, 2019, 141, 8778-8782.	13.7	98
18	Redox-Annulations of Cyclic Amines with Electron-Deficient <i>o</i>-Tolualdehydes. Organic Letters, 2019, 21, 1845-1848.	4.6	14

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19	Insights into the Structure and Function of a Chiral Conjugateâ€Baseâ€Stabilized BrÃ¸nsted Acid Catalyst. European Journal of Organic Chemistry, 2019, 2019, 486-492.	2.4	18
20	Decarboxylative Annulation of Î±-Amino Acids with Î²-Ketoaldehydes. Organic Letters, 2018, 20, 602-604.	4.6	28
21	Direct Î±-Câ€“H bond functionalization of unprotected cyclic amines. Nature Chemistry, 2018, 10, 165-169.	13.6	163
22	Chiral bisoxazoline ligands designed to stabilize bimetallic complexes. Beilstein Journal of Organic Chemistry, 2018, 14, 2002-2011.	2.2	4
23	Formal [4 + 2] cycloaddition of imines with alkoxyisocoumarins. Organic and Biomolecular Chemistry, 2018, 16, 4231-4235.	2.8	12
24	Redox-Annulations of Cyclic Amines with 2-(2-Oxoethyl)malonates. Organic Letters, 2018, 20, 4090-4093.	4.6	16
25	Catalytic Enantioselective Synthesis of Lactams through Formal [4+2] Cycloaddition of Imines with Homophthalic Anhydride. Angewandte Chemie - International Edition, 2017, 56, 2670-2674.	13.8	56
26	Catalytic Enantioselective Synthesis of Lactams through Formal [4+2] Cycloaddition of Imines with Homophthalic Anhydride. Angewandte Chemie, 2017, 129, 2714-2718.	2.0	10
27	Acetic Acid Promoted Redox Annulations with Dual Câ€“H Functionalization. Organic Letters, 2017, 19, 2841-2844.	4.6	33
28	Catalytic Enantioselective Synthesis of Marilineâ€…A and Related Isoindolinones through a Biomimetic Approach. Angewandte Chemie, 2017, 129, 15555-15559.	2.0	18
29	Catalytic Enantioselective Synthesis of Marilineâ€…A and Related Isoindolinones through a Biomimetic Approach. Angewandte Chemie - International Edition, 2017, 56, 15353-15357.	13.8	66
30	Asymmetric BrÃ¸nsted acid catalysis with chiral carboxylic acids. Chemical Society Reviews, 2017, 46, 5889-5902.	38.1	126
31	Reductive Etherification via Anion-Binding Catalysis. Journal of the American Chemical Society, 2017, 139, 10224-10227.	13.7	52
32	Synthesis of Polycyclic Imidazolidinones via Amine Redox-Annulation. Organic Letters, 2017, 19, 6424-6427.	4.6	41
33	Identification of a strong and specific antichlamydial N-acylhydrazone. PLoS ONE, 2017, 12, e0185783.	2.5	13
34	Direct Formation of Oxocarbenium Ions under Weakly Acidic Conditions: Catalytic Enantioselective Oxa-Pictetâ€“Spengler Reactions. Journal of the American Chemical Society, 2016, 138, 9053-9056.	13.7	93
35	Decarboxylative Annulation of Î±-Amino Acids with Î³-Nitroaldehydes. Organic Letters, 2016, 18, 4277-4279.	4.6	31
36	Stereochemically Rich Polycyclic Amines from the Kinetic Resolution of Indolines through Intramolecular Povarov Reactions. Chemistry - A European Journal, 2016, 22, 10817-10820.	3.3	38

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37	Redoxâ€Neutral Aromatization of Cyclic Amines: Mechanistic Insights and Harnessing of Reactive Intermediates for Amine Î±â€and Î²â€Câ^'H Functionalization. Chemistry - A European Journal, 2016, 22, 18179-18189.	3.3	44
38	An Ugi Reaction Incorporating a Redox-Neutral Amine Câ€"H Functionalization Step. Organic Letters, 2016, 18, 631-633.	4.6	38
39	Redox-Annulation of Cyclic Amines and Î²-Ketoaldehydes. Organic Letters, 2016, 18, 1024-1027.	4.6	37
40	Synthesis of chiral cyclam analogues. Supramolecular Chemistry, 2016, 28, 168-175.	1.2	2
41	Intramolecular Redoxâ€Mannich Reactions: Facile Access to the Tetrahydroprotoberberine Core. Chemistry - A European Journal, 2015, 21, 12908-12913.	3.3	43
42	Fluoride-Assisted Activation of Calcium Carbide: A Simple Method for the Ethynylation of Aldehydes and Ketones. Organic Letters, 2015, 17, 2808-2811.	4.6	70
43	Câ€"H functionalization of cyclic amines: redox-annulations with Î±,Î²-unsaturated carbonyl compounds. Chemical Communications, 2015, 51, 10648-10651.	4.1	40
44	The RÃ¼gheimerâ€"Burrows reaction revisited: facile preparation of 4-alkylisoquinolines and 3,5-dialkylpyridines from (partially) saturated amines. Tetrahedron Letters, 2015, 56, 3147-3150.	1.4	10
45	The Azomethine Ylide Route to Amine Câ€"H Functionalization: Redox-Versions of Classic Reactions and a Pathway to New Transformations. Accounts of Chemical Research, 2015, 48, 317-328.	15.6	206
46	A Dual-Catalysis Anion-Binding Approach to the Kinetic Resolution of Amines: Insights into the Mechanism via a Combined Experimental and Computational Study. Journal of the American Chemical Society, 2015, 137, 5748-5758.	13.7	103
47	Enantioselective A³ Reactions of Secondary Amines with a Cu(I)/Acidâ€"Thiourea Catalyst Combination. Journal of the American Chemical Society, 2015, 137, 4650-4653.	13.7	98
48	Catalytic Enantioselective Intramolecular Azaâ€Dielsâ€"Alder Reactions. Angewandte Chemie - International Edition, 2015, 54, 6608-6612.	13.8	61
49	Asymmetric Redox-Annulation of Cyclic Amines. Journal of Organic Chemistry, 2015, 80, 9628-9640.	3.2	35
50	The Anion-Binding Approach to Catalytic Enantioselective Acyl Transfer. Synlett, 2014, 25, 783-794.	1.8	73
51	Cï£¿H Bond Functionalization through Intramolecular Hydride Transfer. Angewandte Chemie - International Edition, 2014, 53, 5010-5036.	13.8	236
52	Redoxâ€Neutral Î±,Î²â€Difunctionalization of Cyclic Amines. Angewandte Chemie - International Edition, 2014, 53, 5179-5182.	13.8	76
53	Redox-Neutral Î±-Oxygenation of Amines: Reaction Development and Elucidation of the Mechanism. Journal of the American Chemical Society, 2014, 136, 6123-6135.	13.7	128
54	Dual Câ€"H Functionalization of <i>N</i>-Aryl Amines: Synthesis of Polycyclic Amines via an Oxidative Povarov Approach. Organic Letters, 2014, 16, 2756-2759.	4.6	86

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55	Redox-Neutral Î±-Arylation of Amines. Organic Letters, 2014, 16, 730-732.	4.6	60
56	Conjugate-Base-Stabilized BrÃ¸nsted Acids: Catalytic Enantioselective Pictetâ€“Spengler Reactions with Unmodified Tryptamine. Organic Letters, 2014, 16, 1012-1015.	4.6	105
57	Intramolecular [3 + 2]-Cycloadditions of Azomethine Ylides Derived from Secondary Amines via Redox-Neutral Câ€“H Functionalization. Organic Letters, 2014, 16, 5910-5913.	4.6	68
58	The redox-A³reaction. Organic Chemistry Frontiers, 2014, 1, 426-429.	4.5	80
59	The Redox-Mannich Reaction. Organic Letters, 2014, 16, 3158-3161.	4.6	54
60	Redox-Neutral Î±-Sulfenylation of Secondary Amines: Ring-Fused <i>N</i>,<i>S</i>-Acetals. Organic Letters, 2014, 16, 3556-3559.	4.6	63
61	Redox-Neutral Î±-Câ€“H Bond Functionalization of Secondary Amines with Concurrent Câ€“P Bond Formation/N-Alkylation. Organic Letters, 2013, 15, 4358-4361.	4.6	77
62	Conjugateâ€Baseâ€Stabilized BrÃ¸nsted Acids as Asymmetric Catalysts: Enantioselective Povarov Reactions with Secondary Aromatic Amines. Angewandte Chemie - International Edition, 2013, 52, 14084-14088.	13.8	95
63	Facile Access to Ring-Fused Aminals via Direct Î±-Amination of Secondary Amines with o-Aminobenzaldehydes: Synthesis of Vasicine, Deoxyvasicine, Deoxyvasicinone, Mackinazolinone, and Ruteacarpine. Synthesis, 2013, 45, 1730-1748.	2.3	48
64	Redoxâ€Neutral Copper(II) Carboxylate Catalyzed Î±â€Alkynylation of Amines. Angewandte Chemie - International Edition, 2013, 52, 3765-3769.	13.8	103
65	Metal-Free Î±-Amination of Secondary Amines: Computational and Experimental Evidence for Azaquinone Methide and Azomethine Ylide Intermediates. Journal of Organic Chemistry, 2013, 78, 4132-4144.	3.2	80
66	Selective copper(II) acetate and potassium iodide catalyzed oxidation of aminals to dihydroquinazoline and quinazolinone alkaloids. Beilstein Journal of Organic Chemistry, 2013, 9, 1194-1201.	2.2	40
67	Facile Access to Ring-Fused Aminals via Direct Î±-Amination of Secondary Amines with -Aminobenzaldehydes. Synthesis of Vasicine, Deoxyvasicine, Deoxyvasicinone, Mackinazolinone and Ruteacarpine. Synthesis, 2013, 45, 1430-1748.	2.3	14
68	A dual-catalysis approach to the kinetic resolution of 1,2-diaryl-1,2-diaminoethanes. Chemical Communications, 2012, 48, 10853.	4.1	41
69	Redox-Neutral Î±-Cyanation of Amines. Journal of the American Chemical Society, 2012, 134, 15305-15308.	13.7	92
70	Kinetic Resolution of Amines via Dual Catalysis: Remarkable Dependence of Selectivity on the Achiral Cocatalyst. Organic Letters, 2012, 14, 3084-3087.	4.6	54
71	A Dual-Catalysis/Anion-Binding Approach to the Kinetic Resolution of Allylic Amines. Organic Letters, 2011, 13, 2464-2467.	4.6	89
72	Redox Isomerization via Azomethine Ylide Intermediates:N-Alkyl Indoles from Indolines and Aldehydes. Organic Letters, 2011, 13, 812-815.	4.6	89

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73	Decarboxylative formation of N-alkyl pyrroles from 4-hydroxyproline. Chemical Communications, 2011, 47, 6473.	4.1	45
74	Redox-Neutral Indole Annulation Cascades. Journal of the American Chemical Society, 2011, 133, 2100-2103.	13.7	182
75	The Decarboxylative Strecker Reaction. Organic Letters, 2011, 13, 6584-6587.	4.6	69
76	A Dual-Catalysis Approach to the Asymmetric Steglich Rearrangement and Catalytic Enantioselective Addition of <i>O</i>-Acylated Azlactones to Isoquinolines. Journal of the American Chemical Society, 2011, 133, 16802-16805.	13.7	151
77	Azomethine ylide annulations: facile access to polycyclic ring systems. Chemical Science, 2011, 2, 233-236.	7.4	108
78	Catalytic Enantioselective Desymmetrization ofmeso-Diamines: A Dual Small-Molecule Catalysis Approach. Journal of the American Chemical Society, 2011, 133, 14538-14541.	13.7	101
79	Divergent reactions of indoles with aminobenzaldehydes: indole ring-opening vs. annulation and facile synthesis of neocryptolepine. Chemical Science, 2011, 2, 2178.	7.4	71
80	Origins of Enantioselectivity in Proline-Catalyzed FriedlÃnder Condensations of 4-Substituted Cyclohexanones. Synthesis, 2011, 2011, 1853-1858.	2.3	0
81	Nontraditional Reactions of Azomethine Ylides: Decarboxylative Three-Component Couplings of Î±-Amino Acids. Journal of the American Chemical Society, 2010, 132, 1798-1799.	13.7	200
82	Retro-Claisen condensation versus pyrrole formation in reactions of amines and 1,3-diketones. Tetrahedron Letters, 2010, 51, 2945-2947.	1.4	78
83	Catalytic enantioselective aldol additions of Î±-isothiocyanato imides to Î±-ketoesters. Chemical Communications, 2010, 46, 4604.	4.1	45
84	Catalytic Enantioselective Friedlaỉnder Condensations: Facile Access to Quinolines with Remote Stereogenic Centers. Organic Letters, 2010, 12, 5064-5067.	4.6	48
85	Merging Nucleophilic and Hydrogen Bonding Catalysis: An Anion Binding Approach to the Kinetic Resolution of Propargylic Amines. Journal of the American Chemical Society, 2010, 132, 13624-13626.	13.7	144
86	Catalytic Enantioselective Synthesis of Î±,Î²-Diamino Acid Derivatives. Journal of the American Chemical Society, 2009, 131, 11648-11649.	13.7	113
87	Merging Nucleophilic and Hydrogen Bonding Catalysis: An Anion Binding Approach to the Kinetic Resolution of Amines. Journal of the American Chemical Society, 2009, 131, 17060-17061.	13.7	231
88	Lewis Acid Catalyzed Formation of Tetrahydroquinolines via an Intramolecular Redox Process. Organic Letters, 2009, 11, 129-132.	4.6	182
89	Facile Formation of Cyclic Aminals through a BrÃ¸nsted Acid-Promoted Redox Process. Journal of Organic Chemistry, 2009, 74, 419-422.	3.2	180
90	Catalytic Enantioselective Intramolecular Redox Reactions: Ring-Fused Tetrahydroquinolines. Journal of the American Chemical Society, 2009, 131, 13226-13227.	13.7	228

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91	Facile synthesis of a chiral urea bridged bisoxazoline ligand and structural characterization of its bis-copper(ii)-chloride complex. Chemical Communications, 2009, , 7309.	4.1	4
92	Î±-Amination of Nitrogen Heterocycles:â€‰ Ring-Fused Aminals. Journal of the American Chemical Society, 2008, 130, 416-417.	13.7	270
93	Catalytic Enantioselective Additions of Indoles to Nitroalkenes. Journal of the American Chemical Society, 2008, 130, 16464-16465.	13.7	222
94	Catalytic Enantioselective Aldol Additions of Î±-Isothiocyanato Imides to Aldehydes. Journal of the American Chemical Society, 2008, 130, 12248-12249.	13.7	103
95	Redox Behavior of Cyclo[6]pyrrole in the Formation of a Uranyl Complex. Inorganic Chemistry, 2007, 46, 5143-5145.	4.0	64
96	Scope and Mechanism of Enantioselective Michael Additions of 1,3-Dicarbonyl Compounds to Nitroalkenes Catalyzed by Nickel(II)â^'Diamine Complexes. Journal of the American Chemical Society, 2007, 129, 11583-11592.	13.7	286
97	Nonlinear Optical Properties and Excited-State Dynamics of Highly Symmetric Expanded Porphyrins. Journal of the American Chemical Society, 2006, 128, 14128-14134.	13.7	171
98	Ni(II)â^'Bis[(R,R)-N,Nâ€˜-dibenzylcyclohexane-1,2-diamine]Br2Catalyzed Enantioselective Michael Additions of 1,3-Dicarbonyl Compounds to Conjugated Nitroalkenes. Journal of the American Chemical Society, 2005, 127, 9958-9959.	13.7	215
99	Reductive N Alkylation of Cyclo[8]pyrroles. Angewandte Chemie - International Edition, 2005, 44, 83-87.	13.8	22
100	Reductive N Alkylation of Cyclo[8]pyrroles. Angewandte Chemie, 2005, 117, 85-89.	2.0	7
101	Electronic Structure, Spectra, and Magnetic Circular Dichroism of Cyclohexa-, Cyclohepta-, and Cyclooctapyrrole. Chemistry - A European Journal, 2005, 11, 4179-4184.	3.3	35
102	Hexaphyrin(1.0.1.0.0.0). A New Colorimetric Actinoid Sensor.. ChemInform, 2005, 36, no.	0.0	0
103	Straightforward Synthesis of Sulfur Bridged Oligopyrrolic Macrocycles.. ChemInform, 2005, 36, no.	0.0	0
104	Ni(II)â€"Bis[(R,R)-N,Nâ€²-dibenzylcyclohexane-1,2-diamine]Br2 Catalyzed Enantioselective Michael Additions of 1,3-Dicarbonyl Compounds to Conjugated Nitroalkenes.. ChemInform, 2005, 36, no.	0.0	0
105	Straightforward synthesis of sulfur bridged oligopyrrolic macrocycles. Chemical Communications, 2005, , 2122-2124.	4.1	16
106	Facile Syntheses of Quater-, Penta-, and Sexipyrroles. Organic Letters, 2005, 7, 1887-1890.	4.6	42
107	A New Copper Acetate-bis(oxazoline)-Catalyzed, Enantioselective Henry Reaction.. ChemInform, 2004, 35, no.	0.0	0
108	Synthetic Expanded Porphyrin Chemistry.. ChemInform, 2004, 35, no.	0.0	0

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109	Hexaphyrin(1.0.1.0.0.0). A new colorimetric actinide sensor. Tetrahedron, 2004, 60, 11089-11097.	1.9	68
110	Octaethylporphyrin and expanded porphyrin complexes containing coordinated BF2groups. Chemical Communications, 2004, , 1060-1061.	4.1	67
111	A New Copper Acetate-Bis(oxazoline)-Catalyzed, Enantioselective Henry Reaction. Journal of the American Chemical Society, 2003, 125, 12692-12693.	13.7	473
112	Synthetic Expanded Porphyrin Chemistry. Angewandte Chemie - International Edition, 2003, 42, 5134-5175.	13.8	835
113	Formation and Properties of Cyclo[6]pyrrole and Cyclo[7]pyrrole. Journal of the American Chemical Society, 2003, 125, 6872-6873.	13.7	135
114	[30]Heptaphyrin(1.1.1.1.1.0.0): an aromatic expanded porphyrin with a â€˜figure eightâ€™ like structure. Chemical Communications, 2002, , 328-329.	4.1	38
115	Cyclo[8]pyrrole: A Simple-to-Make Expanded Porphyrin with No Meso Bridges This work was supported by the National Science Foundation (grant CHE 0107732 to J.L.S.). The authors would like to thank Dr. Paul Fleitz and Weijie Su (Wright Patterson Air Force Base) for recording the UV/Vis spectrum of 2â€‰b.. Angewandte Chemie, 2002, 114, 1480.	2.0	66
116	Cyclo[8]pyrrole: A Simple-to-Make Expanded Porphyrin with No Meso Bridges. Angewandte Chemie - International Edition, 2002, 41, 1422-1425.	13.8	221
117	Characterization of the interactions between neptunyl and plutonyl cations and expanded porphyrins. Inorganica Chimica Acta, 2002, 341, 54-70.	2.4	73
118	Dioxaâ€[40]decaphyrin(1.0.1.0.0.1.0.1.0.0): An analogue of turcasarin with a â€œfigureâ€eightâ€•structure. Journal of Heterocyclic Chemistry, 2001, 38, 1419-1424.	2.6	25
119	Hexaphyrin(1.0.1.0.0.0): An Expanded Porphyrin Ligand for the Actinide Cations Uranyl (UO22+) and Neptunyl (NpO2+). Angewandte Chemie - International Edition, 2001, 40, 591-594.	13.8	146
120	New chemistry of amethyrin. Inorganica Chimica Acta, 2001, 317, 211-217.	2.4	51
121	Novel, terpyrrole-containing, aromatic expanded porphyrins. Tetrahedron, 2001, 57, 3743-3752.	1.9	38
122	Hexaphyrin(1.0.1.0.0.0): An Expanded Porphyrin Ligand for the Actinide Cations Uranyl (UO22+) and Neptunyl (NpO2+). Angewandte Chemie - International Edition, 2001, 40, 591-594.	13.8	4
123	Calixphyrins: Novel Macrocycles at the Intersection between Porphyrins and Calixpyrroles. Angewandte Chemie - International Edition, 2000, 39, 1055-1058.	13.8	107
124	[26]Hexaphyrin(1.1.1.1.0.0): an all-aza isomer of rubyrin with an inverted pyrrole subunit. Chemical Communications, 2000, , 1473-1474.	4.1	33
125	An Unusual Metal-Mediated Formation of an Asymmetrical Carboxylate-Bridged Dinuclear Copper(II) Complex. Inorganic Chemistry, 2000, 39, 1608-1610.	4.0	8
126	Novel Synthesis of Hybrid Calixphyrin Macrocycles. Organic Letters, 2000, 2, 3103-3106.	4.6	72

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127	Synthesis of [28]Heptaphyrin(1.0.0.1.0.0.0) and [32]Octaphyrin(1.0.0.0.1.0.0.0) via a Directed Oxidative Ring Closure:Â The First Expanded Porphyrins Containing a Quaterpyrrole Subunit. Journal of the American Chemical Society, 1999, 121, 11257-11258.	13.7	103