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	Synthetic Expanded Porphyrin Chemistry. Angewandte Chemie - International Edition, 2003, 42, 5134-5175.	13.8	835
2	A New Copper Acetate-Bis(oxazoline)-Catalyzed, Enantioselective Henry Reaction. Journal of the American Chemical Society, 2003, 125, 12692-12693.	13.7	473
3	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
4	Î±-Amination of Nitrogen Heterocycles:â€‰ Ring-Fused Aminals. Journal of the American Chemical Society, 2008, 130, 416-417.	13.7	270
5	Cï£¿H Bond Functionalization through Intramolecular Hydride Transfer. Angewandte Chemie - International Edition, 2014, 53, 5010-5036.	13.8	236
6	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
7	Catalytic Enantioselective Intramolecular Redox Reactions: Ring-Fused Tetrahydroquinolines. Journal of the American Chemical Society, 2009, 131, 13226-13227.	13.7	228
8	Catalytic Enantioselective Additions of Indoles to Nitroalkenes. Journal of the American Chemical Society, 2008, 130, 16464-16465.	13.7	222
9	Cyclo[8]pyrrole: A Simple-to-Make Expanded Porphyrin with No Meso Bridges. Angewandte Chemie - International Edition, 2002, 41, 1422-1425.	13.8	221
10	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
11	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
12	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
13	Lewis Acid Catalyzed Formation of Tetrahydroquinolines via an Intramolecular Redox Process. Organic Letters, 2009, 11, 129-132.	4.6	182
14	Redox-Neutral Indole Annulation Cascades. Journal of the American Chemical Society, 2011, 133, 2100-2103.	13.7	182
15	Facile Formation of Cyclic Aminals through a BrÃ¸nsted Acid-Promoted Redox Process. Journal of Organic Chemistry, 2009, 74, 419-422.	3.2	180
16	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
17	Direct Î±-Câ€"H bond functionalization of unprotected cyclic amines. Nature Chemistry, 2018, 10, 165-169.	13.6	163
18	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

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19	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
20	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
21	Formation and Properties of Cyclo[6]pyrrole and Cyclo[7]pyrrole. Journal of the American Chemical Society, 2003, 125, 6872-6873.	13.7	135
22	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
23	Asymmetric BrÃ¸nsted acid catalysis with chiral carboxylic acids. Chemical Society Reviews, 2017, 46, 5889-5902.	38.1	126
24	Catalytic Enantioselective Synthesis of Î±,Î²-Diamino Acid Derivatives. Journal of the American Chemical Society, 2009, 131, 11648-11649.	13.7	113
25	Azomethine ylide annulations: facile access to polycyclic ring systems. Chemical Science, 2011, 2, 233-236.	7.4	108
26	Calixphyrins: Novel Macrocycles at the Intersection between Porphyrins and Calixpyrroles. Angewandte Chemie - International Edition, 2000, 39, 1055-1058.	13.8	107
27	Conjugate-Base-Stabilized BrÃ¸nsted Acids: Catalytic Enantioselective Pictetâ€"Spengler Reactions with Unmodified Tryptamine. Organic Letters, 2014, 16, 1012-1015.	4.6	105
28	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
29	Catalytic Enantioselective Aldol Additions of Î±-Isothiocyanato Imides to Aldehydes. Journal of the American Chemical Society, 2008, 130, 12248-12249.	13.7	103
30	Redoxâ€Neutral Copper(II) Carboxylate Catalyzed Î±â€Alkynylation of Amines. Angewandte Chemie - International Edition, 2013, 52, 3765-3769.	13.8	103
31	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
32	Catalytic Enantioselective Desymmetrization ofmeso-Diamines: A Dual Small-Molecule Catalysis Approach. Journal of the American Chemical Society, 2011, 133, 14538-14541.	13.7	101
33	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
34	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
35	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
36	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

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37	Redox-Neutral Î±-Cyanation of Amines. Journal of the American Chemical Society, 2012, 134, 15305-15308.	13.7	92
38	A Dual-Catalysis/Anion-Binding Approach to the Kinetic Resolution of Allylic Amines. Organic Letters, 2011, 13, 2464-2467.	4.6	89
39	Redox Isomerization via Azomethine Ylide Intermediates:N-Alkyl Indoles from Indolines and Aldehydes. Organic Letters, 2011, 13, 812-815.	4.6	89
40	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
41	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
42	The redox-A³reaction. Organic Chemistry Frontiers, 2014, 1, 426-429.	4.5	80
43	Retro-Claisen condensation versus pyrrole formation in reactions of amines and 1,3-diketones. Tetrahedron Letters, 2010, 51, 2945-2947.	1.4	78
44	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
45	Redoxâ€Neutral Î±,Î²â€Difunctionalization of Cyclic Amines. Angewandte Chemie - International Edition, 2014, 53, 5179-5182.	13.8	76
46	Characterization of the interactions between neptunyl and plutonyl cations and expanded porphyrins. Inorganica Chimica Acta, 2002, 341, 54-70.	2.4	73
47	The Anion-Binding Approach to Catalytic Enantioselective Acyl Transfer. Synlett, 2014, 25, 783-794.	1.8	73
48	Novel Synthesis of Hybrid Calixphyrin Macrocycles. Organic Letters, 2000, 2, 3103-3106.	4.6	72
49	Divergent reactions of indoles with aminobenzaldehydes: indole ring-opening vs. annulation and facile synthesis of neocryptolepine. Chemical Science, 2011, 2, 2178.	7.4	71
50	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
51	The Decarboxylative Strecker Reaction. Organic Letters, 2011, 13, 6584-6587.	4.6	69
52	Hexaphyrin(1.0.1.0.0.0). A new colorimetric actinide sensor. Tetrahedron, 2004, 60, 11089-11097.	1.9	68
53	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
54	Octaethylporphyrin and expanded porphyrin complexes containing coordinated BF2groups. Chemical Communications, 2004, , 1060-1061.	4.1	67

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55	Rapid functionalization of multiple Câ€“H bonds in unprotected alicyclic amines. Nature Chemistry, 2020, 12, 545-550.	13.6	67
56	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
57	Catalytic Enantioselective Synthesis of Marilineâ€…A and Related Isoindolinones through a Biomimetic Approach. Angewandte Chemie - International Edition, 2017, 56, 15353-15357.	13.8	66
58	Redox Behavior of Cyclo[6]pyrrole in the Formation of a Uranyl Complex. Inorganic Chemistry, 2007, 46, 5143-5145.	4.0	64
59	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
60	Catalytic Enantioselective Intramolecular Azaâ€Dielsâ€“Alder Reactions. Angewandte Chemie - International Edition, 2015, 54, 6608-6612.	13.8	61
61	Redox-Neutral Î±-Arylation of Amines. Organic Letters, 2014, 16, 730-732.	4.6	60
62	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
63	Kinetic Resolution of Amines via Dual Catalysis: Remarkable Dependence of Selectivity on the Achiral Cocatalyst. Organic Letters, 2012, 14, 3084-3087.	4.6	54
64	The Redox-Mannich Reaction. Organic Letters, 2014, 16, 3158-3161.	4.6	54
65	Reductive Etherification via Anion-Binding Catalysis. Journal of the American Chemical Society, 2017, 139, 10224-10227.	13.7	52
66	New chemistry of amethyrin. Inorganica Chimica Acta, 2001, 317, 211-217.	2.4	51
67	Catalytic Enantioselective FriedlaÌˆnder Condensations: Facile Access to Quinolines with Remote Stereogenic Centers. Organic Letters, 2010, 12, 5064-5067.	4.6	48
68	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
69	Catalytic enantioselective aldol additions of Î±-isothiocyanato imides to Î±-ketoesters. Chemical Communications, 2010, 46, 4604.	4.1	45
70	Decarboxylative formation of N-alkyl pyrroles from 4-hydroxyproline. Chemical Communications, 2011, 47, 6473.	4.1	45
71	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
72	Redoxâ€Neutral Aromatization of Cyclic Amines: Mechanistic Insights and Harnessing of Reactive Intermediates for Amine Î±â€•and Î²â€Câˆ’H Functionalization. Chemistry - A European Journal, 2016, 22, 18179-18189.	3.3	44

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73	Intramolecular Redoxâ€Mannich Reactions: Facile Access to the Tetrahydroprotoberberine Core. Chemistry - A European Journal, 2015, 21, 12908-12913.	3.3	43
74	Facile Syntheses of Quater-, Penta-, and Sexipyrroles. Organic Letters, 2005, 7, 1887-1890.	4.6	42
75	A dual-catalysis approach to the kinetic resolution of 1,2-diaryl-1,2-diaminoethanes. Chemical Communications, 2012, 48, 10853.	4.1	41
76	Synthesis of Polycyclic Imidazolidinones via Amine Redox-Annulation. Organic Letters, 2017, 19, 6424-6427.	4.6	41
77	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
78	Câ€“H functionalization of cyclic amines: redox-annulations with Î±,Î²-unsaturated carbonyl compounds. Chemical Communications, 2015, 51, 10648-10651.	4.1	40
79	Câ€“H Bond Functionalization of Amines: A Graphical Overview of Diverse Methods. SynOpen, 2021, 05, 173-228.	1.7	40
80	Novel, terpyrrole-containing, aromatic expanded porphyrins. Tetrahedron, 2001, 57, 3743-3752.	1.9	38
81	[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
82	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
83	An Ugi Reaction Incorporating a Redox-Neutral Amine Câ€“H Functionalization Step. Organic Letters, 2016, 18, 631-633.	4.6	38
84	Redox-Annulation of Cyclic Amines and Î²-Ketoaldehydes. Organic Letters, 2016, 18, 1024-1027.	4.6	37
85	Electronic Structure, Spectra, and Magnetic Circular Dichroism of Cyclohexa-, Cyclohepta-, and Cyclooctapyrrole. Chemistry - A European Journal, 2005, 11, 4179-4184.	3.3	35
86	Asymmetric Redox-Annulation of Cyclic Amines. Journal of Organic Chemistry, 2015, 80, 9628-9640.	3.2	35
87	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
88	[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
89	Acetic Acid Promoted Redox Annulations with Dual Câ€“H Functionalization. Organic Letters, 2017, 19, 2841-2844.	4.6	33
90	Decarboxylative Annulation of Î±-Amino Acids with Î³-Nitroaldehydes. Organic Letters, 2016, 18, 4277-4279.	4.6	31

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91	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
92	Decarboxylative Annulation of Î±-Amino Acids with Î²-Ketoaldehydes. Organic Letters, 2018, 20, 602-604.	4.6	28
93	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
94	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
95	Reductive N Alkylation of Cyclo[8]pyrroles. Angewandte Chemie - International Edition, 2005, 44, 83-87.	13.8	22
96	Condensation-Based Methods for the Câ€“H Bond Functionalization of Amines. Synthesis, 2021, 53, 3869-3908.	2.3	22
97	Catalytic Enantioselective Synthesis of Marilineâ€…A and Related Isoindolinones through a Biomimetic Approach. Angewandte Chemie, 2017, 129, 15555-15559.	2.0	18
98	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
99	Redox-Annulations of Cyclic Amines with <i>ortho</i>-Cyanomethylbenzaldehydes. Organic Letters, 2020, 22, 976-980.	4.6	18
100	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
101	Î±,Î±â€²-Câ€“H Bond Difunctionalization of Unprotected Alicyclic Amines. Organic Letters, 2021, 23, 6367-6371.	4.6	17
102	Straightforward synthesis of sulfur bridged oligopyrrolic macrocycles. Chemical Communications, 2005, , 2122-2124.	4.1	16
103	Redox-Annulations of Cyclic Amines with 2-(2-Oxoethyl)malonates. Organic Letters, 2018, 20, 4090-4093.	4.6	16
104	Redox-Annulations of Cyclic Amines with Electron-Deficient <i>o</i>-Tolualdehydes. Organic Letters, 2019, 21, 1845-1848.	4.6	14
105	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
106	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
107	Identification of a strong and specific antichlamydial N-acylhydrazone. PLoS ONE, 2017, 12, e0185783.	2.5	13
108	Formal [4 + 2] cycloaddition of imines with alkoxyisocoumarins. Organic and Biomolecular Chemistry, 2018, 16, 4231-4235.	2.8	12

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109	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
110	Catalytic Enantioselective Synthesis of Lactams through Formal [4+2] Cycloaddition of Imines with Homophthalic Anhydride. Angewandte Chemie, 2017, 129, 2714-2718.	2.0	10
111	Catalytic Enantioselective Approaches to the oxa-Pictetâ€“Spengler Cyclization and Other 3,6-Dihydropyran-Forming Reactions. SynOpen, 2019, 03, 77-90.	1.7	10
112	An Unusual Metal-Mediated Formation of an Asymmetrical Carboxylate-Bridged Dinuclear Copper(II) Complex. Inorganic Chemistry, 2000, 39, 1608-1610.	4.0	8
113	Highly Acidic Conjugateâ€Baseâ€Stabilized Carboxylic Acids Catalyze Enantioselective oxaâ€Pictetâ€“Spengler Reactions with Ketals. Angewandte Chemie, 2020, 132, 2044-2048.	2.0	8
114	Reductive N Alkylation of Cyclo[8]pyrroles. Angewandte Chemie, 2005, 117, 85-89.	2.0	7
115	Traceless Redox-Annulations of Alicyclic Amines. SynOpen, 2020, 04, 123-131.	1.7	7
116	Synthesis of Polycyclic Isoindolines via Î±-Câ€“H/Nâ€“H Annulation of Alicyclic Amines. Organic Letters, 2022, 24, 1224-1227.	4.6	6
117	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
118	Chiral bisoxazoline ligands designed to stabilize bimetallic complexes. Beilstein Journal of Organic Chemistry, 2018, 14, 2002-2011.	2.2	4
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	4
120	Synthesis of chiral cyclam analogues. Supramolecular Chemistry, 2016, 28, 168-175.	1.2	2
121	Diversification of Unprotected Alicyclic Amines by Câˆ'H Bond Functionalization: Decarboxylative Alkylation of Transient Imines. Angewandte Chemie, 2021, 133, 1649-1652.	2.0	2
122	A New Copper Acetate-bis(oxazoline)-Catalyzed, Enantioselective Henry Reaction.. ChemInform, 2004, 35, no.	0.0	0
123	Synthetic Expanded Porphyrin Chemistry.. ChemInform, 2004, 35, no.	0.0	0
124	Hexaphyrin(1.0.1.0.0.0). A New Colorimetric Actinoid Sensor.. ChemInform, 2005, 36, no.	0.0	0
125	Straightforward Synthesis of Sulfur Bridged Oligopyrrolic Macrocycles.. ChemInform, 2005, 36, no.	0.0	0
126	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

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127	Origins of Enantioselectivity in Proline-Catalyzed FriedlÃnder Condensations of 4-Substituted Cyclohexanones. Synthesis, 2011, 2011, 1853-1858.	2.3	0