

Scott E Denmark

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2921833/publications.pdf>

Version: 2024-02-01

460
papers

32,387
citations

2963

93
h-index

8599

146
g-index

633
all docs

633
docs citations

633
times ranked

13085
citing authors

#	ARTICLE	IF	CITATIONS
1	Lewis Base Catalysis in Organic Synthesis. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1560-1638.	7.2	1,146
2	Catalytic Enantioselective Addition of Allylic Organometallic Reagents to Aldehydes and Ketones. <i>Chemical Reviews</i> , 2003, 103, 2763-2794.	23.0	1,138
3	Tandem [4+2]/[3+2] Cycloadditions of Nitroalkenes. <i>Chemical Reviews</i> , 1996, 96, 137-166.	23.0	670
4	Palladium-Catalyzed Cross-Coupling Reactions of Organosilanols and Their Salts: Practical Alternatives to Boron- and Tin-Based Methods. <i>Accounts of Chemical Research</i> , 2008, 41, 1486-1499.	7.6	489
5	Catalytic, Asymmetric Halofunctionalization of Alkenes—A Critical Perspective. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10938-10953.	7.2	468
6	Design and Implementation of New, Silicon-Based, Cross-Coupling Reactions: Importance of Silicon—Oxygen Bonds. <i>Accounts of Chemical Research</i> , 2002, 35, 835-846.	7.6	436
7	Catalytic, Enantioselective, Vinylogous Aldol Reactions. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4682-4698.	7.2	428
8	Prediction of higher-selectivity catalysts by computer-driven workflow and machine learning. <i>Science</i> , 2019, 363, .	6.0	335
9	Asymmetric Catalysis of Aldol Reactions with Chiral Lewis Bases. <i>Accounts of Chemical Research</i> , 2000, 33, 432-440.	7.6	305
10	Asymmetric Allylation of Aldehydes with Chiral Lewis Bases. <i>Journal of Organic Chemistry</i> , 1994, 59, 6161-6163.	1.7	247
11	Pre-transmetalation intermediates in the Suzuki-Miyaura reaction revealed: The missing link. <i>Science</i> , 2016, 352, 329-332.	6.0	245
12	Silicon-Based Cross-Coupling Reactions in the Total Synthesis of Natural Products. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2978-2986.	7.2	239
13	Cyclopropanation with Diazomethane and Bis(oxazoline)palladium(II) Complexes. <i>Journal of Organic Chemistry</i> , 1997, 62, 3375-3389.	1.7	237
14	A comparison of (chloromethyl)- and (iodomethyl)zinc cyclopropanation reagents. <i>Journal of Organic Chemistry</i> , 1991, 56, 6974-6981.	1.7	226
15	Lewis base catalysis of bromo- and iodolactonization, and cycloetherification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 20655-20660.	3.3	223
16	Catalytic, Enantioselective Addition of Substituted Allylic Trichlorosilanes Using a Rationally-Designed 2,2'-Bispyrrolidine-Based Bisphosphoramidate. <i>Journal of the American Chemical Society</i> , 2001, 123, 9488-9489.	6.6	216
17	Catalytic, Enantioselective Aldol Additions to Ketones. <i>Journal of the American Chemical Society</i> , 2002, 124, 4233-4235.	6.6	209
18	Asymmetric Addition of Organolithium Reagents to Imines. <i>Journal of the American Chemical Society</i> , 1994, 116, 8797-8798.	6.6	207

#	ARTICLE	IF	CITATIONS
19	Lewis Base Activation of Lewis Acids: Catalytic, Enantioselective Addition of Silyl Ketene Acetals to Aldehydes. <i>Journal of the American Chemical Society</i> , 2005, 127, 3774-3789.	6.6	203
20	Lewis Base Activation of Lewis Acids: Catalytic Enantioselective Allylation and Propargylation of Aldehydes. <i>Journal of the American Chemical Society</i> , 2001, 123, 6199-6200.	6.6	202
21	Catalytic Epoxidation of Alkenes with Oxone. <i>Journal of Organic Chemistry</i> , 1995, 60, 1391-1407.	1.7	201
22	Highly Stereospecific, Cross-Coupling Reactions of Alkenylsilacyclobutanes. <i>Journal of the American Chemical Society</i> , 1999, 121, 5821-5822.	6.6	198
23	Enantioselective Bromocycloetherification by Lewis Base/Chiral Brønsted Acid Cooperative Catalysis. <i>Organic Letters</i> , 2012, 14, 256-259.	2.4	188
24	On the Mechanism of the Skraup–Doebner–Von Miller Quinoline Synthesis. <i>Journal of Organic Chemistry</i> , 2006, 71, 1668-1676.	1.7	185
25	Enantioselective Ring Opening of Epoxides with Silicon Tetrachloride in the Presence of a Chiral Lewis Base. <i>Journal of Organic Chemistry</i> , 1998, 63, 2428-2429.	1.7	183
26	Catalytic Asymmetric Thiofunctionalization of Unactivated Alkenes. <i>Journal of the American Chemical Society</i> , 2011, 133, 15308-15311.	6.6	177
27	Chemistry of Trichlorosilyl Enolates. 1. New Reagents for Catalytic, Asymmetric Aldol Additions. <i>Journal of the American Chemical Society</i> , 1996, 118, 7404-7405.	6.6	175
28	On the Absolute Configurational Stability of Bromonium and Chloronium Ions. <i>Journal of the American Chemical Society</i> , 2010, 132, 1232-1233.	6.6	171
29	Highly Stereospecific, Palladium-Catalyzed Cross-Coupling of Alkenylsilanols. <i>Organic Letters</i> , 2000, 2, 565-568.	2.4	166
30	Catalytic, Stereoselective Dihalogenation of Alkenes: Challenges and Opportunities. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15642-15682.	7.2	162
31	The First Catalytic, Asymmetric $\hat{\pm}$ -Additions of Isocyanides. Lewis-Base-Catalyzed, Enantioselective Passerini-Type Reactions. <i>Journal of the American Chemical Society</i> , 2003, 125, 7825-7827.	6.6	161
32	Catalytic, stereospecific syn-dichlorination of alkenes. <i>Nature Chemistry</i> , 2015, 7, 146-152.	6.6	158
33	Chemistry of Enoxysilacyclobutanes: Highly Selective Uncatalyzed Aldol Additions. <i>Journal of the American Chemical Society</i> , 1994, 116, 7026-7043.	6.6	152
34	Preparation of Chiral Bisoxazolines: Observations on the Effect of Substituents. <i>Journal of Organic Chemistry</i> , 1995, 60, 4884-4892.	1.7	152
35	Cross-Coupling Reactions of Aromatic and Heteroaromatic Silanulates with Aromatic and Heteroaromatic Halides. <i>Journal of the American Chemical Society</i> , 2009, 131, 3104-3118.	6.6	152
36	Why You Really Should Consider Using Palladium-Catalyzed Cross-Coupling of Silanols and Silanulates. <i>Organic Process Research and Development</i> , 2015, 19, 982-994.	1.3	147

#	ARTICLE	IF	CITATIONS
37	Studies on the mechanism and origin of stereoselective opening of chiral dioxane acetals. <i>Journal of the American Chemical Society</i> , 1991, 113, 8089-8110.	6.6	146
38	Lewis Base Activation of Lewis Acids. Vinylogous Aldol Reactions. <i>Journal of the American Chemical Society</i> , 2003, 125, 7800-7801.	6.6	146
39	Preparative and Mechanistic Studies toward the Rational Development of Catalytic, Enantioselective Selenoetherification Reactions. <i>Journal of the American Chemical Society</i> , 2010, 132, 15752-15765.	6.6	146
40	The Development of Chiral, Nonracemic Dioxiranes for the Catalytic, Enantioselective Epoxidation of Alkenes. <i>Synlett</i> , 1999, 1999, 847-859.	1.0	145
41	Lewis Base Activation of Lewis Acids. Addition of Silyl Ketene Acetals to Aldehydes. <i>Journal of the American Chemical Society</i> , 2002, 124, 13405-13407.	6.6	145
42	On the stereochemistry of allylmetal-aldehyde condensations. Preliminary communication. <i>Helvetica Chimica Acta</i> , 1983, 66, 1655-1660.	1.0	144
43	Palladium-Catalyzed Cross-Coupling Reactions of Silanolates: A Paradigm Shift in Silicon-Based Cross-Coupling Reactions. <i>Chemistry - A European Journal</i> , 2006, 12, 4954-4963.	1.7	144
44	Highly Stereoselective Hydrocarbation of Terminal Alkynes via Pt-Catalyzed Hydrosilylation/Pd-Catalyzed Cross-Coupling Reactions. <i>Organic Letters</i> , 2001, 3, 1073-1076.	2.4	143
45	Fluoride-Free Cross-Coupling of Organosilanols. <i>Journal of the American Chemical Society</i> , 2001, 123, 6439-6440.	6.6	142
46	Sequential Cross-Coupling of 1,4-Bissilylbutadienes: Synthesis of Unsymmetrical 1,4-Disubstituted 1,3-Butadienes. <i>Journal of the American Chemical Society</i> , 2005, 127, 8004-8005.	6.6	142
47	The Chemistry of Trichlorosilyl Enolates. 2. Highly-Selective Asymmetric Aldol Additions of Ketone Enolates. <i>Journal of the American Chemical Society</i> , 1997, 119, 2333-2334.	6.6	140
48	The First Catalytic, Diastereoselective, and Enantioselective Crossed-Aldol Reactions of Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 4759-4762.	7.2	140
49	Structural, Kinetic, and Computational Characterization of the Elusive Arylpalladium(II)boronate Complexes in the Suzuki-Miyaura Reaction. <i>Journal of the American Chemical Society</i> , 2017, 139, 3805-3821.	6.6	138
50	Ligand-mediated addition of organometallic reagents to azomethine functions. <i>Chemical Communications</i> , 1996, , 999.	2.2	136
51	ExCage. <i>Journal of the American Chemical Society</i> , 2014, 136, 10669-10682.	6.6	132
52	Organocerium additions to SAMP-hydrazones: general synthesis of chiral amines. <i>Journal of the American Chemical Society</i> , 1987, 109, 2224-2225.	6.6	131
53	Lewis Base Catalyzed, Enantioselective, Intramolecular Sulfenoamination of Olefins. <i>Journal of the American Chemical Society</i> , 2014, 136, 8915-8918.	6.6	131
54	Chiral Fluoro Ketones for Catalytic Asymmetric Epoxidation of Alkenes with Oxone. <i>Journal of Organic Chemistry</i> , 2002, 67, 3479-3486.	1.7	129

#	ARTICLE	IF	CITATIONS
55	Mechanistic, crystallographic, and computational studies on the catalytic, enantioselective sulfenofunctionalization of alkenes. <i>Nature Chemistry</i> , 2014, 6, 1056-1064.	6.6	128
56	Total Synthesis of Papulacandin D. <i>Journal of the American Chemical Society</i> , 2007, 129, 2774-2776.	6.6	127
57	Catalytic Epoxidation of Alkenes with Oxone. 2. Fluoro Ketones. <i>Journal of Organic Chemistry</i> , 1997, 62, 8288-8289.	1.7	126
58	Catalytic, Enantioselective Cyclopropanation of Allylic Alcohols. Substrate Generality. <i>Journal of Organic Chemistry</i> , 1997, 62, 584-594.	1.7	125
59	Effect of Ligand Structure in the Bisoxazoline Mediated Asymmetric Addition of Methyllithium to Imines. <i>Journal of Organic Chemistry</i> , 2000, 65, 5875-5878.	1.7	125
60	Mild and General Cross-Coupling of ($\hat{\pm}$ -Alkoxyvinyl)silanols and -silyl Hydrides. <i>Organic Letters</i> , 2000, 2, 3221-3224.	2.4	124
61	Total Synthesis of RK-397. <i>Journal of the American Chemical Society</i> , 2005, 127, 8971-8973.	6.6	124
62	Chiral Phosphoramidate-Catalyzed Enantioselective Addition of Allylic Trichlorosilanes to Aldehydes. Preparative Studies with Bidentate Phosphorus-Based Amides. <i>Journal of Organic Chemistry</i> , 2006, 71, 1523-1536.	1.7	123
63	Lewis Base Catalyzed, Enantioselective Aldol Addition of Methyl Trichlorosilyl Ketene Acetal to Ketones. <i>Journal of Organic Chemistry</i> , 2005, 70, 5235-5248.	1.7	119
64	Lewis Base Catalysis of the Mukaiyama Directed Aldol Reaction: 40 Years of Inspiration and Advances. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9086-9096.	7.2	118
65	Synthesis and Reactivity of Enantiomerically Enriched Thiiranium Ions. <i>Chemistry - A European Journal</i> , 2009, 15, 11737-11745.	1.7	117
66	Quantitative Structure-Selectivity Relationships in Enantioselective Catalysis: Past, Present, and Future. <i>Chemical Reviews</i> , 2020, 120, 1620-1689.	23.0	117
67	Asymmetric Construction of Quaternary Centers by Enantioselective Allylation: Application to the Synthesis of the Serotonin Antagonist LY426965. <i>Organic Letters</i> , 2002, 4, 1951-1953.	2.4	116
68	Catalytic, Enantioselective $\hat{\pm}$ -Additions of Isocyanides: Lewis Base Catalyzed Passerini-Type Reactions. <i>Journal of Organic Chemistry</i> , 2005, 70, 9667-9676.	1.7	116
69	Observation of Direct Sulfenium and Selenenium Group Transfer from Thiiranium and Seleniranium Ions to Alkenes. <i>Journal of the American Chemical Society</i> , 2009, 131, 3490-3492.	6.6	115
70	Enantioselective Total Syntheses of (+)-Castanospermine, (+)-6-Epicastanospermine, (+)-Australine, and (+)-3-Epiaustraline. <i>Journal of the American Chemical Society</i> , 1999, 121, 3046-3056.	6.6	114
71	On the Mechanism of Catalytic, Enantioselective Allylation of Aldehydes with Chlorosilanes and Chiral Lewis Bases. <i>Journal of the American Chemical Society</i> , 2000, 122, 12021-12022.	6.6	114
72	Stereochemistry of allylmetal-aldehyde condensations. 2. Allylstannanes. <i>Journal of the American Chemical Society</i> , 1984, 106, 7970-7971.	6.6	113

#	ARTICLE	IF	CITATIONS
73	Silicon-Directed Nazarov Reactions II. Preparation and Cyclization of β -Silyl-substituted Divinyl Ketones. <i>Helvetica Chimica Acta</i> , 1983, 66, 2377-2396.	1.0	112
74	Stereochemical and spectroscopic studies on the reaction of allylstannanes with aldehydes. <i>Tetrahedron</i> , 1989, 45, 1053-1065.	1.0	112
75	Total Synthesis of (+)-Brasilenyne. Application of an Intramolecular Silicon-Assisted Cross-Coupling Reaction. <i>Journal of the American Chemical Society</i> , 2004, 126, 12432-12440.	6.6	111
76	Cross-Coupling of Aromatic Bromides with Allylic Silanolate Salts. <i>Journal of the American Chemical Society</i> , 2008, 130, 16382-16393.	6.6	111
77	Iron-Catalyzed Cross-Coupling of Unactivated Secondary Alkyl Thio Ethers and Sulfones with Aryl Grignard Reagents. <i>Journal of Organic Chemistry</i> , 2013, 78, 12593-12628.	1.7	111
78	Elucidating the Role of the Boronic Esters in the Suzuki–Miyaura Reaction: Structural, Kinetic, and Computational Investigations. <i>Journal of the American Chemical Society</i> , 2018, 140, 4401-4416.	6.6	109
79	Lewis Base Activation of Lewis Acids: Development of a Lewis Base Catalyzed Selenolactonization. <i>Organic Letters</i> , 2007, 9, 3801-3804.	2.4	107
80	Enantioselective, Lewis Base-Catalyzed Sulfenocyclization of Polyenes. <i>Journal of the American Chemical Society</i> , 2018, 140, 3569-3573.	6.6	106
81	Synthesis of (+)-Casuarine. <i>Journal of Organic Chemistry</i> , 2000, 65, 2875-2886.	1.7	105
82	The Interplay of Invention, Discovery, Development, and Application in Organic Synthetic Methodology: A Case Study. <i>Journal of Organic Chemistry</i> , 2009, 74, 2915-2927.	1.7	105
83	A Systematic Investigation of Quaternary Ammonium Ions as Asymmetric Phase-Transfer Catalysts. Application of Quantitative Structure Activity/Selectivity Relationships. <i>Journal of Organic Chemistry</i> , 2011, 76, 4337-4357.	1.7	105
84	The Chemistry of Trichlorosilyl Enolates. Aldol Addition Reactions of Methyl Ketones. <i>Journal of the American Chemical Society</i> , 2000, 122, 8837-8847.	6.6	104
85	Palladium-Catalyzed Silylation of Aryl Bromides Leading to Functionalized Aryldimethylsilanols. <i>Organic Letters</i> , 2003, 5, 3483-3486.	2.4	104
86	Chiral Phosphoramidate-Catalyzed Aldol Additions of Ketone Enolates. Preparative Aspects. <i>Journal of the American Chemical Society</i> , 1999, 121, 4982-4991.	6.6	102
87	Intramolecular Hydrosilylation and Silicon-Assisted Cross-Coupling: An Efficient Route to Trisubstituted Homoallylic Alcohols. <i>Organic Letters</i> , 2001, 3, 61-64.	2.4	102
88	Understanding the Correlation of Structure and Selectivity in the Chiral-Phosphoramidate-Catalyzed Enantioselective Allylation Reactions: A Solution and Solid-State Structural Studies of Bisphosphoramidate–SnCl ₄ Complexes. <i>Journal of the American Chemical Society</i> , 2003, 125, 2208-2216.	6.6	102
89	A Systematic Investigation of Quaternary Ammonium Ions as Asymmetric Phase-Transfer Catalysts. Synthesis of Catalyst Libraries and Evaluation of Catalyst Activity. <i>Journal of Organic Chemistry</i> , 2011, 76, 4260-4336.	1.7	101
90	Convergence of Mechanistic Pathways in the Palladium(0)-Catalyzed Cross-Coupling of Alkenylsilacyclobutanes and Alkenylsilanols. <i>Organic Letters</i> , 2000, 2, 2491-2494.	2.4	100

#	ARTICLE	IF	CITATIONS
91	Lewis Base Activation of Lewis Acids: A Catalytic, Enantioselective Vinylogous Aldol Addition Reactions. <i>Journal of Organic Chemistry</i> , 2007, 72, 5668-5688.	1.7	100
92	Enantioselective Construction of Quaternary Stereogenic Carbons by the Lewis Base Catalyzed Additions of Silyl Ketene Imines to Aldehydes. <i>Journal of the American Chemical Society</i> , 2007, 129, 14864-14865.	6.6	100
93	Cross-Coupling Reactions of Arylsilanols with Substituted Aryl Halides. <i>Organic Letters</i> , 2003, 5, 1357-1360.	2.4	99
94	Vinylation of Aromatic Halides Using Inexpensive Organosilicon Reagents. Illustration of Design of Experiment Protocols. <i>Journal of the American Chemical Society</i> , 2008, 130, 3690-3704.	6.6	99
95	Enantioselective Cyclopropanation of Allylic Alcohols. The Effect of Zinc Iodide. <i>Journal of Organic Chemistry</i> , 1997, 62, 3390-3401.	1.7	98
96	On the Lewis-acid-induced addition of allylstannanes to aldehydes: a spectroscopic investigation. <i>Journal of the American Chemical Society</i> , 1988, 110, 984-986.	6.6	97
97	Synthesis of Unsymmetrical Biaryls from Arylsilacyclobutanes. <i>Organic Letters</i> , 1999, 1, 1495-1498.	2.4	95
98	Sequential Ring-Closing Metathesis and Silicon-Assisted Cross-Coupling Reactions: A Stereocontrolled Synthesis of Highly Substituted Unsaturated Alcohols. <i>Organic Letters</i> , 2001, 3, 1749-1752.	2.4	94
99	Spectroscopic studies on the structure and conformation of Lewis acid-aldehyde complexes. <i>Journal of the American Chemical Society</i> , 1993, 115, 3133-3139.	6.6	93
100	Synthesis of Phosphoramides for the Lewis Base-Catalyzed Allylation and Aldol Addition Reactions. <i>Journal of Organic Chemistry</i> , 1999, 64, 1958-1967.	1.7	93
101	Catalytic enantioselective allylation with chiral Lewis bases. <i>Chemical Communications</i> , 2003, , 167-170.	2.2	93
102	Silicon-Directed Nazarov Cyclizations. Part V. Substituent and heteroatom effects on the reaction. <i>Helvetica Chimica Acta</i> , 1988, 71, 168-194.	1.0	92
103	Asymmetric Construction of a Quaternary Carbon Center by Tandem [4 + 2]/[3 + 2] Cycloaddition of a Nitroalkene. The Total Synthesis of (âˆ“) -Mesembrine. <i>Journal of Organic Chemistry</i> , 1997, 62, 1675-1686.	1.7	92
104	Chiral Phosphoramidate-Catalyzed Enantioselective Addition of Allylic Trichlorosilanes to Aldehydes. Preparative and Mechanistic Studies with Monodentate Phosphorus-Based Amides. <i>Journal of Organic Chemistry</i> , 2006, 71, 1513-1522.	1.7	91
105	Lewis Base Catalyzed Addition of Trimethylsilyl Cyanide to Aldehydes. <i>Journal of Organic Chemistry</i> , 2006, 71, 4002-4005.	1.7	91
106	Catalytic, Enantioselective, Intramolecular Carbosulfenylation of Olefins. <i>Journal of the American Chemical Society</i> , 2013, 135, 6419-6422.	6.6	90
107	Solution- and solid-state structural studies of (halomethyl)zinc reagents. <i>Journal of the American Chemical Society</i> , 1992, 114, 2592-2602.	6.6	89
108	SnCl ₄ (4-tert-BuC ₆ H ₄ CHO) ₂ . X-ray crystal structure, solution NMR, and implications for reactions at complexed carbonyls. <i>Journal of the American Chemical Society</i> , 1987, 109, 2512-2514.	6.6	86

#	ARTICLE	IF	CITATIONS
109	Cross-Coupling Reactions of Alkenylsilanolates. Investigation of the Mechanism and Identification of Key Intermediates through Kinetic Analysis. <i>Journal of the American Chemical Society</i> , 2004, 126, 4876-4882.	6.6	86
110	Silyl Ketene Imines: Highly Versatile Nucleophiles for Catalytic, Asymmetric Synthesis. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9980-9992.	7.2	86
111	Fluoride-Promoted Cross-Coupling Reactions of Alkenylsilanolates. Elucidation of the Mechanism through Spectroscopic and Kinetic Analysis. <i>Journal of the American Chemical Society</i> , 2004, 126, 4865-4875.	6.6	85
112	Synthesis of 3,4,5-Trisubstituted Isoxazoles via Sequential [3 + 2] Cycloaddition/Silicon-Based Cross-Coupling Reactions. <i>Journal of Organic Chemistry</i> , 2005, 70, 2839-2842.	1.7	85
113	Silicon-directed Nazarov cyclizations. 8. Stereoelectronic control of torquoselectivity. <i>Journal of Organic Chemistry</i> , 1990, 55, 5543-5545.	1.7	84
114	Catalytic enantioselective cyclopropanation with bis(halomethyl)zinc reagents. II. The effect of promoter structure on selectivity. <i>Tetrahedron Letters</i> , 1995, 36, 2219-2222.	0.7	84
115	Catalytic, Enantioselective Sulfonylation of Ketone-Derived Enoxysilanes. <i>Journal of the American Chemical Society</i> , 2014, 136, 13016-13028.	6.6	83
116	Asymmetric Nitroalkene [4 + 2] Cycloadditions: Enantioselective Synthesis of 3-Substituted and 3,4-Disubstituted Pyrrolidines. <i>Journal of Organic Chemistry</i> , 1995, 60, 3221-3235.	1.7	82
117	Tandem [4 + 2]/[3 + 2] Cycloadditions of Nitroalkenes. 11. The Synthesis of (+)-Crotanecine. <i>Journal of the American Chemical Society</i> , 1997, 119, 125-137.	6.6	82
118	Solution and Solid-State Studies of a Chiral Zinc-Sulfonamide Complex Relevant to Enantioselective Cyclopropanations. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 1149-1151.	7.2	82
119	Tandem Double-Intramolecular [4+2]/[3+2] Cycloadditions of Nitroalkenes. Studies toward a Total Synthesis of Daphnilactone B: a Piperidine Ring Construction. <i>Journal of Organic Chemistry</i> , 2006, 71, 593-605.	1.7	82
120	Asymmetric electrophilic amination of chiral phosphorus-stabilized anions. <i>Tetrahedron</i> , 1992, 48, 2191-2208.	1.0	81
121	Stereospecific Palladium-Catalyzed Cross-Coupling of (E)- and (Z)-Alkenylsilanolates with Aryl Chlorides. <i>Journal of the American Chemical Society</i> , 2006, 128, 15958-15959.	6.6	81
122	Intramolecular Silicon-Assisted Cross-Coupling: A Total Synthesis of (+)-Brasilenyne. <i>Journal of the American Chemical Society</i> , 2002, 124, 15196-15197.	6.6	80
123	Vinylation of Aryl Bromides Using an Inexpensive Vinylpolysiloxane. <i>Organic Letters</i> , 2006, 8, 63-66.	2.4	80
124	Palladium- (and nickel-) catalyzed vinylation of aryl halides. <i>Chemical Communications</i> , 2009, , 20-33.	2.2	80
125	Synthesis, Reactivity, Functionalization, and ADMET Properties of Silicon-Containing Nitrogen Heterocycles. <i>Journal of the American Chemical Society</i> , 2018, 140, 6668-6684.	6.6	80
126	Lithium/ammonia cleavage of the nitrogen-nitrogen bond in N-(methoxycarbonyl)- and N-acetylhydrazines. <i>Journal of Organic Chemistry</i> , 1990, 55, 6219-6223.	1.7	79

#	ARTICLE	IF	CITATIONS
127	Triarylcarbenium ions as catalysts in the Mukaiyama Aldol addition: A mechanistic investigation. <i>Tetrahedron Letters</i> , 1994, 35, 4327-4330.	0.7	79
128	Tandem [4 + 2]/[3 + 2] Cycloadditions of Nitroalkenes. 9. Synthesis of (âˆ™)-Rosmarinecine. <i>Journal of the American Chemical Society</i> , 1996, 118, 8266-8277.	6.6	79
129	Total synthesis of (+)-papulacandin D. <i>Tetrahedron</i> , 2010, 66, 4745-4759.	1.0	79
130	Intramolecular Silicon-Assisted Cross-Coupling Reactions: A General Synthesis of Medium-Sized Rings Containing a 1,3-cis-cisDiene Unit. <i>Journal of the American Chemical Society</i> , 2002, 124, 2102-2103.	6.6	78
131	Organocerium additions to hydrazones: effects of reagent stoichiometry on efficiency and selectivity. <i>Journal of Organic Chemistry</i> , 1993, 58, 569-578.	1.7	77
132	The Chemistry of Trichlorosilyl Enolates. 6. Mechanistic Duality in the Lewis Base-Catalyzed Aldol Addition Reaction. <i>Journal of the American Chemical Society</i> , 1998, 120, 12990-12991.	6.6	77
133	Lewis Base-Catalyzed, Asymmetric Aldol Additions of Methyl Ketone Enolates. <i>Journal of Organic Chemistry</i> , 1998, 63, 918-919.	1.7	77
134	Synthesis of (+)-1-Epiaustraline. <i>Journal of Organic Chemistry</i> , 2001, 66, 4276-4284.	1.7	77
135	Lewis Base Catalyzed Enantioselective Aldol Addition of Acetaldehyde-Derived Silyl Enol Ether to Aldehydes. <i>Journal of Organic Chemistry</i> , 2005, 70, 10190-10193.	1.7	77
136	Catalytic, Enantioselective, Intramolecular Carbosulfenylation of Olefins. Mechanistic Aspects: A Remarkable Case of Negative Catalysis. <i>Journal of the American Chemical Society</i> , 2014, 136, 3655-3663.	6.6	77
137	Electrophilic activation of the Horner-Wadsworth-Emmons-Wittig reaction: highly selective synthesis of dissymmetric olefins. <i>Journal of the American Chemical Society</i> , 1992, 114, 10674-10676.	6.6	76
138	Inter- and intramolecular [4 + 2] cycloadditions of nitroalkenes with olefins. 2-Nitrostyrenes. <i>Journal of Organic Chemistry</i> , 1992, 57, 4912-4924.	1.7	76
139	Tandem [4 + 2]/[3 + 2] Cycloadditions of Nitroalkenes. 13. The Synthesis of (âˆ™)-Detoxinine. <i>Journal of Organic Chemistry</i> , 1997, 62, 1668-1674.	1.7	76
140	Lewis Base Catalyzed, Enantioselective Aldol Addition of Methyl Trichlorosilyl Ketene Acetal to Ketones. <i>ChemInform</i> , 2005, 36, no.	0.1	76
141	The solution and solid state structure of a phosphorus-stabilized carbanion. <i>Journal of the American Chemical Society</i> , 1990, 112, 864-866.	6.6	75
142	Investigations on transition-state geometry in the aldol condensation. <i>Journal of the American Chemical Society</i> , 1991, 113, 2177-2194.	6.6	75
143	Memory of Chirality: Asymmetric Induction Based on the Dynamic Chirality of Enolates. <i>Topics in Stereochemistry</i> , 2003, , 175-205.	2.0	75
144	Palladium-Catalyzed Cross-Coupling of Five-Membered Heterocyclic Silanolates. <i>Journal of Organic Chemistry</i> , 2008, 73, 1440-1455.	1.7	75

#	ARTICLE	IF	CITATIONS
145	Harnessing the Power of the Water-Gas Shift Reaction for Organic Synthesis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12164-12189.	7.2	75
146	Enantioselective, Lewis Base-Catalyzed Carbosulfonylation of Alkenylboronates by 1,2-Boronate Migration. <i>Journal of the American Chemical Society</i> , 2018, 140, 15621-15625.	6.6	75
147	Catalytic, Enantioselective <i>syn</i> -Diamination of Alkenes. <i>Journal of the American Chemical Society</i> , 2019, 141, 19161-19170.	6.6	75
148	The vinylogous anomeric effect in 3-alkyl-2-chlorocyclohexanone oximes and oxime ethers. <i>Journal of the American Chemical Society</i> , 1990, 112, 3466-3474.	6.6	74
149	Synthesis of (âˆ—)-7-Epiaustraline and (âˆ—)-1-Epicastanospermine. <i>Journal of Organic Chemistry</i> , 2000, 65, 2887-2896.	1.7	74
150	.alpha.-Chloro ketoximes as precursors of nitrosoalkenes: preparation, stereochemistry and conformation. <i>Journal of Organic Chemistry</i> , 1984, 49, 798-806.	1.7	73
151	The Tandem Cycloaddition Chemistry of Nitroalkenes. A Novel Synthesis of (-)-Hastanecine. <i>Journal of Organic Chemistry</i> , 1994, 59, 5672-5680.	1.7	73
152	Lewis Base Activation of Lewis Acids. Vinylogous Aldol Addition Reactions of Conjugated N,O-Silyl Ketene Acetals to Aldehydes. <i>Journal of the American Chemical Society</i> , 2006, 128, 1038-1039.	6.6	72
153	Palladium-Catalyzed Cross-Coupling Reactions of Heterocyclic Silanolates with Substituted Aryl Iodides and Bromides. <i>Organic Letters</i> , 2006, 8, 793-795.	2.4	72
154	Solution and solid-state structure of the "Wittig-Furukawa" cyclopropanation reagent. <i>Journal of the American Chemical Society</i> , 1991, 113, 723-725.	6.6	71
155	Intramolecular Anti-Hydrosilylation and Silicon-Assisted Cross-Coupling: Highly Regio- and Stereoselective Synthesis of Trisubstituted Homoallylic Alcohols. <i>Organic Letters</i> , 2002, 4, 4163-4166.	2.4	71
156	On the Mechanism of the Selenolactonization Reaction with Selenenyl Halides. <i>Journal of Organic Chemistry</i> , 2006, 71, 7293-7306.	1.7	70
157	Auxiliary-based, asymmetric SN2' reactions: a case of 1,7-relative stereogenesis. <i>Journal of Organic Chemistry</i> , 1990, 55, 1984-1986.	1.7	69
158	A general method for the preparation of 2,2-disubstituted 1-nitroalkenes. <i>Journal of Organic Chemistry</i> , 1993, 58, 3850-3856.	1.7	69
159	Catalytic enantioselective cyclopropanation with bis(halomethyl)zinc reagents. I. Optimization of reaction protocol. <i>Tetrahedron Letters</i> , 1995, 36, 2215-2218.	0.7	69
160	On the Mechanism of Lewis Base Catalyzed Aldol Addition Reactions: Kinetic and Spectroscopic Investigations Using Rapid-Injection NMR. <i>Journal of the American Chemical Society</i> , 2009, 131, 11770-11787.	6.6	69
161	Palladium-Catalyzed Cross-Coupling Reactions of 2-Indolyldimethylsilanol with Substituted Aryl Halides. <i>Organic Letters</i> , 2004, 6, 3649-3652.	2.4	67
162	Catalytic, Enantioselective, Intramolecular Sulfenofunctionalization of Alkenes with Phenols. <i>Journal of Organic Chemistry</i> , 2017, 82, 3192-3222.	1.7	67

#	ARTICLE	IF	CITATIONS
163	Synthesis, structure, and reactivity of an organogermanium Lewis acid. <i>Organometallics</i> , 1990, 9, 3015-3019.	1.1	66
164	Nazarov and Related Cationic Cyclizations. , 1991, , 751-784.		66
165	Cross-Coupling Reactions of Alkenylsilanols with Fluoroalkylsulfonates. <i>Organic Letters</i> , 2002, 4, 3771-3774.	2.4	66
166	Chiral Phosphoramidate-Catalyzed Aldol Additions of Ketone Trichlorosilyl Enolates. <i>Mechanistic Aspects. Journal of Organic Chemistry</i> , 2006, 71, 3904-3922.	1.7	66
167	Tandem inter [4+2]/intra [3+2]nitroalkene cycloadditions. 5. Origin of the Lewis acid dependent reversal of stereoselectivity. <i>Journal of Organic Chemistry</i> , 1993, 58, 1859-1874.	1.7	65
168	A new, general, and stereoselective method for the synthesis of trisubstituted alkenes. <i>Journal of the American Chemical Society</i> , 1993, 115, 10386-10387.	6.6	65
169	6-Oxo-1,1,4,4-tetramethyl-1,4-diazepinium Salts. A New Class of Catalysts for Efficient Epoxidation of Olefins with Oxone. <i>Journal of Organic Chemistry</i> , 1998, 63, 2810-2811.	1.7	65
170	Intramolecular Syn and Anti Hydrosilylation and Silicon-Assisted Cross-Coupling: Highly Regio- and Stereoselective Synthesis of Trisubstituted Allylic Alcohols. <i>Organic Letters</i> , 2003, 5, 1119-1122.	2.4	65
171	Silicon-DirectedNazarov Reactions III. Stereochemical and Mechanistic Considerations. <i>Helvetica Chimica Acta</i> , 1983, 66, 2397-2411.	1.0	64
172	Tandem [4+2]/[3+2]-cycloadditions. 2. Asymmetric induction with a chiral vinyl ether. <i>Tetrahedron</i> , 1990, 46, 4857-4876.	1.0	64
173	Configuration, conformation, and colligative properties of a phosphorus-stabilized anion. <i>Journal of the American Chemical Society</i> , 1991, 113, 1468-1470.	6.6	64
174	Asymmetric Carboalkoxyalkylidenation with a Chiral Horner-Wadsworth-Emmons Reagent. <i>Journal of Organic Chemistry</i> , 1994, 59, 6887-6889.	1.7	64
175	Catalytic, Enantioselective Sulfenofunctionalization of Alkenes: Development and Recent Advances. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19796-19819.	7.2	64
176	Tandem Inter [4 + 2]/Intra [3 + 2] Cycloadditions of Nitroalkenes. 15. The Bridged Mode ($\hat{\pm}$ -Tether). <i>Journal of Organic Chemistry</i> , 1997, 62, 4610-4628.	1.7	63
177	Cross-coupling of vinylpolysiloxanes with aryl iodides. <i>Journal of Organometallic Chemistry</i> , 2001, 624, 372-375.	0.8	63
178	Molecular Chirality. <i>Topics in Stereochemistry</i> , 2007, , 1-82.	2.0	63
179	On the Stereochemical Course of Palladium-Catalyzed Cross-Coupling of Allylic Silanolate Salts with Aromatic Bromides. <i>Journal of the American Chemical Society</i> , 2010, 132, 3612-3620.	6.6	63
180	Catalytic, Enantioselective, Intramolecular Carbosulfenylation of Olefins. Preparative and Stereochemical Aspects. <i>Journal of Organic Chemistry</i> , 2014, 79, 140-171.	1.7	63

#	ARTICLE	IF	CITATIONS
181	Tandem Intramolecular Silylformylation and Silicon-Assisted Cross-Coupling Reactions. Synthesis of Geometrically Defined $\hat{1},\hat{1}^2$ -Unsaturated Aldehydes. <i>Journal of Organic Chemistry</i> , 2003, 68, 5153-5159.	1.7	62
182	Lewis Base Activation of Lewis Acids. Catalytic Enantioselective Addition of Silyl Enol Ethers of Achiral Methyl Ketones to Aldehydes. <i>Organic Letters</i> , 2003, 5, 2303-2306.	2.4	62
183	Sequential ring-closing metathesis/Pd-catalyzed, Si-assisted cross-coupling reactions: general synthesis of highly substituted unsaturated alcohols and medium-sized rings containing a 1,3-cis- $\hat{c}is$ diene unit. <i>Tetrahedron</i> , 2004, 60, 9695-9708.	1.0	62
184	Tandem double intramolecular [4+2]/[3+2] cycloadditions of nitroalkenes: construction of the pentacyclic core structure of daphnilactone B. <i>Tetrahedron</i> , 2009, 65, 6535-6548.	1.0	62
185	Stereochemical Studies on the Addition of Allylsilanes to Aldehydes. The SE' Component. <i>Journal of Organic Chemistry</i> , 1994, 59, 5130-5132.	1.7	61
186	Nitroalkene Inter [4 + 2]/Intra [3 + 2] Tandem Cycloadditions. 7. Application of (R)-(-)-2,2-Diphenylcyclopentanol as the Chiral Auxiliary. <i>Journal of Organic Chemistry</i> , 1995, 60, 3205-3220.	1.7	61
187	Lewis Base Activation of Lewis Acids: Catalytic, Enantioselective Addition of Glycolate-Derived Silyl Ketene Acetals to Aldehydes. <i>Journal of Organic Chemistry</i> , 2008, 73, 4582-4595.	1.7	61
188	Silicon-directed nazarov cyclizations-IV. <i>Tetrahedron</i> , 1986, 42, 2821-2829.	1.0	60
189	Silicon-directed nazarov cyclizations VII. <i>Tetrahedron</i> , 1988, 44, 4043-4060.	1.0	60
190	Sequential Silylcarbocyclization/Silicon-Based Cross-Coupling Reactions. <i>Journal of the American Chemical Society</i> , 2007, 129, 3737-3744.	6.6	60
191	Intramolecular [4 + 2] cycloadditions of nitroalkenes with olefins. <i>Journal of the American Chemical Society</i> , 1986, 108, 1306-1307.	6.6	59
192	1-Methyl-1-vinyl- and 1-Methyl-1-(prop-2-enyl)silacyclobutane: Reagents for Palladium-Catalyzed Cross-Coupling Reactions of Aryl Halides. <i>Synthesis</i> , 2000, 2000, 999-1003.	1.2	59
193	N-silyl oxyketene imines are underused yet highly versatile reagents for catalytic asymmetric synthesis. <i>Nature Chemistry</i> , 2010, 2, 937-943.	6.6	59
194	Tandem Inter [4 + 2]/Intra [3 + 2] Cycloadditions. 17. The Spiro Mode. Efficient and Highly Selective Synthesis of Azapropellanes. <i>Journal of Organic Chemistry</i> , 1998, 63, 1604-1618.	1.7	58
195	Catalytic, Nucleophilic Allylation of Aldehydes with Allyl Acetate. <i>Organic Letters</i> , 2009, 11, 781-784.	2.4	58
196	Studies on the addition of allyl oxides to sulfonylallenes. Preparation of highly substituted allyl vinyl ethers for carbanionic Claisen rearrangements. <i>Journal of Organic Chemistry</i> , 1987, 52, 4031-4042.	1.7	57
197	Mechanistic and stereochemical divergence in the allylsilane-acetal addition reaction. <i>Journal of the American Chemical Society</i> , 1989, 111, 3475-3476.	6.6	57
198	Lewis Base Activation of Lewis Acids: Catalytic Enantioselective Glycolate Aldol Reactions. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1890-1892.	7.2	57

#	ARTICLE	IF	CITATIONS
199	The chemistry of enoxysilacyclobutanes: highly selective, uncatalyzed aldol additions. <i>Journal of Organic Chemistry</i> , 1993, 58, 988-990.	1.7	56
200	Investigations on Transition-State Geometry in the Lewis Acid- (Mukaiyama) and Fluoride-Promoted Aldol Reactions. <i>Journal of Organic Chemistry</i> , 1994, 59, 707-709.	1.7	56
201	Phosphine oxides as stabilizing ligands for the palladium-catalyzed cross-coupling of potassium aryl(dimethyl)silanolates. <i>Tetrahedron</i> , 2007, 63, 5730-5738.	1.0	56
202	Total Syntheses of Isodomoic Acids G and H. <i>Journal of the American Chemical Society</i> , 2009, 131, 14188-14189.	6.6	56
203	Cross-Coupling of Alkynylsilanols with Aryl Halides Promoted by Potassium Trimethylsilanolate. <i>Journal of Organic Chemistry</i> , 2003, 68, 9151-9154.	1.7	55
204	Palladium-Catalyzed Conjugate Addition of Organosiloxanes to \hat{I}^{\pm}, \hat{I}^2 -Unsaturated Carbonyl Compounds and Nitroalkenes. <i>Journal of Organic Chemistry</i> , 2003, 68, 6997-7003.	1.7	55
205	Intramolecular [4 + 2] cycloadditions of nitrosoalkenes with olefins. <i>Journal of Organic Chemistry</i> , 1984, 49, 4741-4743.	1.7	54
206	On the stereoselectivity opening of achiral dioxane acetals. <i>Journal of Organic Chemistry</i> , 1991, 56, 6458-6467.	1.7	54
207	Structure and Dynamics of Phosphorus(V)-Stabilized Carbanions: A Comparison of Theoretical, Crystallographic, and Solution Structures. <i>Journal of the American Chemical Society</i> , 1994, 116, 2437-2447.	6.6	54
208	Asymmetric aldol additions catalyzed by chiral phosphoramides: Electronic effects of the aldehyde component. <i>Tetrahedron</i> , 1998, 54, 10389-10402.	1.0	53
209	Asymmetric Catalysis Special Feature Part I: Chiral phosphoramidate-catalyzed, enantioselective, directed cross-aldol reactions of aldehydes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 5439-5444.	3.3	52
210	Nitroalkene [4+2] cycloaddition as a general and stereoselective route to the synthesis of 3,3- and 3,4-disubstituted pyrrolidines. <i>Journal of Organic Chemistry</i> , 1993, 58, 3857-3868.	1.7	51
211	Development of a General, Sequential, Ring-Closing Metathesis/Intramolecular Cross-Coupling Reaction for the Synthesis of Polyunsaturated Macrolactones. <i>Journal of the American Chemical Society</i> , 2010, 132, 11768-11778.	6.6	51
212	Catalytic, Enantioselective, Intramolecular Sulfenoamination of Alkenes with Anilines. <i>Journal of Organic Chemistry</i> , 2017, 82, 3826-3843.	1.7	51
213	Intermolecular [4 + 2]-Cycloadditions of Nitroalkenes with Cyclic Olefins. <i>Transformations of Cyclic Nitronates</i> . <i>Helvetica Chimica Acta</i> , 1986, 69, 1971-1989.	1.0	50
214	The origin of stereoselective opening of chiral dioxane and dioxolane acetals: solution structure of their Lewis acid complexes. <i>Journal of the American Chemical Society</i> , 1989, 111, 9258-9260.	6.6	50
215	Carbanion-accelerated Claisen rearrangements. 8. Phosphoramidate anion-stabilizing groups. <i>Journal of Organic Chemistry</i> , 1991, 56, 5063-5079.	1.7	50
216	Synthesis of (1R,2R,3R,7R,7aR)-Hexahydro-3-(Hydroxymethyl)-1H-pyrrolizine-1,2,7-triol: 7-Epiaustraline. <i>Journal of the American Chemical Society</i> , 1998, 120, 7357-7358.	6.6	50

#	ARTICLE	IF	CITATIONS
217	Tandem [4 + 2]/[3 + 2] cycloadditions: facile and stereoselective construction of polycyclic frameworks. <i>Journal of the American Chemical Society</i> , 1990, 112, 311-315.	6.6	49
218	Effects of Charge Separation, Effective Concentration, and Aggregate Formation on the Phase Transfer Catalyzed Alkylation of Phenol. <i>Journal of the American Chemical Society</i> , 2012, 134, 13415-13429.	6.6	49
219	Enantioselective, Lewis Base-Catalyzed, Intermolecular Sulfoamination of Alkenes. <i>Journal of the American Chemical Society</i> , 2019, 141, 13767-13771.	6.6	49
220	Diphenylmethylsilyl ether (DPMS): a protecting group for alcohols. <i>Journal of Organic Chemistry</i> , 1987, 52, 165-168.	1.7	48
221	Stereoselective opening of chiral dioxane acetals. Nucleophile dependence. <i>Journal of Organic Chemistry</i> , 1991, 56, 6485-6487.	1.7	48
222	Tandem [4 + 2]/[3 + 2] Cycloadditions with Nitroethylene. <i>Journal of Organic Chemistry</i> , 1998, 63, 3045-3050.	1.7	48
223	Development of a Computer-Guided Workflow for Catalyst Optimization. Descriptor Validation, Subset Selection, and Training Set Analysis. <i>Journal of the American Chemical Society</i> , 2020, 142, 11578-11592.	6.6	48
224	Stereoselective alkylations of chiral, phosphorus-stabilized benzylic carbanions. <i>Journal of Organic Chemistry</i> , 1990, 55, 5926-5928.	1.7	47
225	Solid state and solution structural studies of chiral phosphoramidate-tin complexes relevant to Lewis base catalyzed aldol reactions. <i>Tetrahedron</i> , 1999, 55, 8727-8738.	1.0	47
226	Organocerium Additions to Chiral $\hat{\pm}$ -Dialkoxy Hydrazones: Asymmetric Synthesis of N-Protected $\hat{\pm}$ -Amino Acetals and $\hat{\pm}$ -Amino Aldehydes. <i>Synlett</i> , 1993, 1993, 359-361.	1.0	46
227	Alkylations of Chiral, Phosphoryl- and Thiophosphoryl-Stabilized Carbanions. <i>Journal of the American Chemical Society</i> , 1995, 117, 11879-11897.	6.6	46
228	Enantio- and Diastereoselective, Lewis Base Catalyzed, Cascade Sulfoacetalization of Alkenyl Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12486-12490.	7.2	46
229	Tandem Inter [4 + 2]/Intra [3 + 2] Cycloadditions. 6. The Bridged Mode. <i>Journal of the American Chemical Society</i> , 1995, 117, 2100-2101.	6.6	45
230	Asymmetric Michael Addition Reaction of Phosphorus-Stabilized Allyl Anions with Cyclic Enones. <i>Journal of Organic Chemistry</i> , 1995, 60, 7535-7547.	1.7	45
231	A General Synthesis of N-Vinyl Nitrones. <i>Journal of Organic Chemistry</i> , 2006, 71, 6211-6220.	1.7	45
232	Silicon-Directed Nazarov Cyclizations. Part VI. The anomalous cyclization of vinyl dienyl ketones. <i>Helvetica Chimica Acta</i> , 1988, 71, 195-208.	1.0	44
233	Nitroalkene [4 + 2] Cycloadditions with 2-(Acyloxy)vinyl Ethers. Stereoselective Synthesis of 3-Hydroxy-4-substituted-pyrrolidines. <i>Journal of Organic Chemistry</i> , 1994, 59, 4576-4595.	1.7	44
234	Synthesis of (+)-Casuarine. <i>Organic Letters</i> , 1999, 1, 1311-1314.	2.4	44

#	ARTICLE	IF	CITATIONS
235	Asymmetric Aldol Reactions Using Aldolases. <i>Topics in Stereochemistry</i> , 2003, , 267-342.	2.0	44
236	Transition-Metal-Templated Synthesis of Rotaxanes. <i>Topics in Stereochemistry</i> , 2003, , 125-173.	2.0	44
237	Demystifying the asymmetry-amplifying, autocatalytic behaviour of the Soai reaction through structural, mechanistic and computational studies. <i>Nature Chemistry</i> , 2020, 12, 412-423.	6.6	44
238	Carbanion-accelerated Claisen rearrangements. 4. Asymmetric induction via 1,3,2-oxazaphosphorinanes. <i>Journal of Organic Chemistry</i> , 1987, 52, 5742-5745.	1.7	43
239	Tandem inter [4+2]/intra [3+2] nitroalkene cycloadditions. 4. Cycloadditions with (E)- and (Z)-1-propenyl ethers. <i>Journal of Organic Chemistry</i> , 1993, 58, 1853-1858.	1.7	43
240	Stereochemical Studies on the Addition of Allylstannanes to Aldehydes. The SE' Component. <i>Journal of Organic Chemistry</i> , 1994, 59, 5133-5135.	1.7	43
241	An ab Initio Study of the P-C Bond Rotation in Phosphorus-Stabilized Carbanions: The Phosphoryl versus Thiophosphoryl Group. <i>Journal of Organic Chemistry</i> , 1995, 60, 5867-5877.	1.7	43
242	A General Strategy for the Synthesis of Cis-Substituted Pyrrolizidine Bases. The Synthesis of (-)-Rosmarinecine. <i>Journal of Organic Chemistry</i> , 1995, 60, 3574-3575.	1.7	43
243	2-Silyloxy-1,2-oxazines, a New Type of Acetals of Conjugated Nitroso Alkenes. <i>Journal of Organic Chemistry</i> , 2003, 68, 9477-9480.	1.7	43
244	Spectroscopic studies on the TiCl ₄ -promoted reaction of allylsilanes with aldehydes and α,β -enones. <i>Tetrahedron</i> , 1992, 48, 5565-5578.	1.0	42
245	The Effects of a Remote Stereogenic Center in the Lewis Base Catalyzed Aldol Additions of Chiral Trichlorosilyl Enolates. <i>Organic Letters</i> , 2002, 4, 3477-3480.	2.4	42
246	Preparation of 2,3-disubstituted indoles by sequential Larock heteroannulation and silicon-based cross-coupling reactions. <i>Tetrahedron</i> , 2009, 65, 3120-3129.	1.0	42
247	Lewis Base Activation of Lewis Acids: Group 13. In Situ Generation and Reaction of Borenium Ions. <i>Organometallics</i> , 2013, 32, 6631-6634.	1.1	42
248	Stereoselective Aldol Additions of Achiral Ethyl Ketone-Derived Trichlorosilyl Enolates. <i>Journal of Organic Chemistry</i> , 2003, 68, 5045-5055.	1.7	41
249	A Qualitative Examination of the Effects of Silicon Substituents on the Efficiency of Cross-Coupling Reactions. <i>Journal of Organic Chemistry</i> , 2006, 71, 8500-8509.	1.7	41
250	Asymmetric Amplification. <i>Topics in Stereochemistry</i> , 2007, , 257-296.	2.0	41
251	Carbonylative Ring Opening of Terminal Epoxides at Atmospheric Pressure. <i>Journal of Organic Chemistry</i> , 2007, 72, 9630-9634.	1.7	41
252	Design, Validation, and Implementation of a Rapid-Injection NMR System. <i>Journal of Organic Chemistry</i> , 2010, 75, 5558-5572.	1.7	41

#	ARTICLE	IF	CITATIONS
253	Intramolecular [4+2]-cycloadditions of nitroalkenes with olefins. 2. Tetrahedron, 1990, 46, 7373-7392.	1.0	40
254	Palladium-Promoted Intramolecular Addition of an Aryl Iodide to a Nitroalkene. Journal of Organic Chemistry, 1995, 60, 1013-1019.	1.7	40
255	Synthesis, X-ray Crystallography, and Computational Analysis of 1-Azafenestranes. Journal of the American Chemical Society, 2006, 128, 11620-11630.	6.6	40
256	Preparation of chiral bipyridine bis-N-oxides by oxidative dimerization of chiral pyridine N-oxides. Tetrahedron: Asymmetry, 2006, 17, 687-707.	1.8	40
257	Lewis Acid-Promoted Conjugate Addition of Dienol Silyl Ethers to Nitroalkenes: Synthesis of 3-Substituted Azepanes. Journal of Organic Chemistry, 2007, 72, 7050-7053.	1.7	40
258	A Dinuclear Mechanism Implicated in Controlled Carbene Polymerization. Journal of the American Chemical Society, 2019, 141, 6473-6478.	6.6	40
259	Carbanion-accelerated Claisen rearrangements. 2. Studies on internal asymmetric induction. Journal of Organic Chemistry, 1983, 48, 3369-3370.	1.7	39
260	Tandem inter [4+2]/intra [3+2] cycloadditions. 3. The stereochemical influence of the Lewis acid. Journal of Organic Chemistry, 1991, 56, 6738-6739.	1.7	39
261	Alkylation of Chiral, Phosphorus-Stabilized Carbanions: Substituent Effects on the Alkylation Selectivity. Journal of Organic Chemistry, 1994, 59, 2922-2924.	1.7	39
262	Preparation of Chlorosilyl Enolates. Journal of Organic Chemistry, 1998, 63, 9517-9523.	1.7	39
263	Lewis Base Catalyzed Aldol Additions of Chiral Trichlorosilyl Enolates and Silyl Enol Ethers. Journal of Organic Chemistry, 2005, 70, 10823-10840.	1.7	39
264	Studies on the Bisoxazoline- and (S)-sparteine-Mediated Enantioselective Addition of Organolithium Reagents to Imines. Advanced Synthesis and Catalysis, 2008, 350, 1023-1045.	2.1	39
265	Mechanistic Significance of the Si-O-Pd Bond in the Palladium-Catalyzed Cross-Coupling Reactions of Arylsilanolates. Journal of the American Chemical Society, 2015, 137, 6200-6218.	6.6	39
266	Tandem Cycloaddition Chemistry of Nitroalkenes: Preparative and Theoretical Studies on the Stereochemical Course of [3 + 2] Cycloaddition of Cyclic Nitronates. Journal of Organic Chemistry, 1999, 64, 884-901.	1.7	38
267	Development of a Phase-Transfer-Catalyzed, [2,3]-Wittig Rearrangement. Journal of Organic Chemistry, 2015, 80, 11818-11848.	1.7	38
268	Potassium Trimethylsilylanolate Enables Rapid, Homogeneous Suzuki-Miyaura Cross-Coupling of Boronic Esters. ACS Catalysis, 2020, 10, 73-80.	5.5	38
269	A general method for the preparation of γ -substituted cyclohexenals and cycloheptenals. Journal of Organic Chemistry, 1985, 50, 4037-4045.	1.7	37
270	Intramolecular [4 + 2] cycloadditions of (Z)- α,β -unsaturated aldehydes with vinyl sulfides and ketene dithioacetals. Journal of the American Chemical Society, 1986, 108, 8277-8279.	6.6	37

#	ARTICLE	IF	CITATIONS
271	An Ab initio Study of the P-C Bond Rotation in Phosphoryl- and Thiophosphoryl-Stabilized Carbanions: Five- and Six-Membered Heterocycles. <i>Journal of Organic Chemistry</i> , 1996, 61, 8551-8563.	1.7	37
272	Dioxiranes Are the Active Agents in Ketone-Catalyzed Epoxidations with Oxone. <i>Journal of Organic Chemistry</i> , 1997, 62, 8964-8965.	1.7	37
273	Highly 1,4-Syn Diastereoselective, Phosphoramidate-Catalyzed Aldol Additions of Chiral Methyl Ketone Enolates. <i>Journal of Organic Chemistry</i> , 1998, 63, 9524-9527.	1.7	37
274	Catalytic Asymmetric Synthesis. <i>Accounts of Chemical Research</i> , 2000, 33, 324-324.	7.6	37
275	Synthesis of cis,cis,cis,cis-[5.5.5.4]-1-Azafenestrane with Discovery of an Unexpected Dyotropic Rearrangement. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3732-3736.	7.2	37
276	Construction of Quaternary Stereogenic Carbon Centers by the Lewis Base Catalyzed Conjugate Addition of Silyl Ketene Imines to α,β -Unsaturated Aldehydes and Ketones. <i>Synlett</i> , 2010, 2010, 1723-1728.	1.0	37
277	Structural, Mechanistic, Spectroscopic, and Preparative Studies on the Lewis Base Catalyzed, Enantioselective Sulfenofunctionalization of Alkenes. <i>Helvetica Chimica Acta</i> , 2017, 100, e1700158.	1.0	37
278	Palladium/Rhodium Cooperative Catalysis for the Production of Aryl Aldehydes and Their Deuterated Analogues Using the Water-Gas Shift Reaction. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10362-10367.	7.2	37
279	On the generation and configurational stability of (2S,3S)-1,2,3-triphenylborirane. <i>Journal of the American Chemical Society</i> , 1991, 113, 6675-6676.	6.6	36
280	Asymmetric [2,3]-Wittig rearrangements with chiral, phosphorus anion-stabilizing groups. <i>Tetrahedron Letters</i> , 1995, 36, 6631-6634.	0.7	36
281	Diastereoselective Aldol Additions of Chiral β -Hydroxy Ethyl Ketone Enolates Catalyzed by Lewis Bases. <i>Organic Letters</i> , 2002, 4, 3473-3476.	2.4	36
282	Mechanistic Duality in Palladium-Catalyzed Cross-Coupling Reactions of Aryldimethylsilanolates. Intermediacy of an 8-Si-4 Arylpalladium(II) Silanolate. <i>Journal of the American Chemical Society</i> , 2010, 132, 1243-1245.	6.6	36
283	β -Selective Cross-Coupling of Allylic Silanolate Salts with Aromatic Bromides Using Trialkylphosphonium Tetrafluoroborate Salts Prepared Directly from Phosphine-Borane Adducts. <i>Organic Letters</i> , 2011, 13, 4596-4599.	2.4	36
284	Heteroaryl-Heteroaryl, Suzuki-Miyaura, Anhydrous Cross-Coupling Reactions Enabled by Trimethyl Borate. <i>Journal of the American Chemical Society</i> , 2021, 143, 13845-13853.	6.6	36
285	Tandem [4 + 2]/[3 + 2] Cycloadditions of Nitroalkenes. 12. Synthesis of (β)-Platynecine. <i>Journal of Organic Chemistry</i> , 1997, 62, 435-436.	1.7	35
286	Lewis Base Activation of Lewis Acids: Vinylogous Aldol Additions of Silyl Dienol Ethers to Aldehydes. <i>Synlett</i> , 2004, 2004, 2411-2416.	1.0	35
287	Development of Chiral Bis-hydrazone Ligands for the Enantioselective Cross-Coupling Reactions of Aryldimethylsilanolates. <i>Journal of Organic Chemistry</i> , 2015, 80, 313-366.	1.7	35
288	Facile oxetane formation in a rigid bicyclo[2.2.2]octane system. <i>Journal of Organic Chemistry</i> , 1981, 46, 3144-3147.	1.7	34

#	ARTICLE	IF	CITATIONS
289	Carbanion-accelerated Claisen rearrangements. 6. Preparative and stereochemical studies with sulfonyl-stabilized anions. <i>Journal of the American Chemical Society</i> , 1989, 111, 8878-8891.	6.6	34
290	Efficient and stereoselective cross-coupling with highly substituted alkenylsilanols. <i>Journal of Organometallic Chemistry</i> , 2002, 653, 98-104.	0.8	34
291	Neutral and Cationic Phosphoramidate Adducts of Silicon Tetrachloride: Synthesis and Characterization of Their Solution and Solid-State Structures. <i>Chemistry - A European Journal</i> , 2008, 14, 234-239.	1.7	34
292	Lewis Base Catalyzed Enantioselective Additions of an <i>N</i> -Silyl Vinylketene Imine. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3236-3239.	7.2	34
293	Catalytic, Enantioselective <i>Syn</i> -Oxyamination of Alkenes. <i>Journal of the American Chemical Society</i> , 2021, 143, 13408-13417.	6.6	34
294	Tandem Cycloaddition Chemistry of Nitroalkenes: Probing the Remarkable Stereochemical Influence of the Lewis Acid. <i>Journal of Organic Chemistry</i> , 1999, 64, 1610-1619.	1.7	33
295	The theoretical structures of neutral, anionic, and lithiated P-allylphosphonic diamide. <i>Journal of Organic Chemistry</i> , 1990, 55, 1806-1813.	1.7	32
296	Tandem Inter [4 + 2]/Intra [3 + 2] Cycloadditions of Nitroalkenes. Asymmetric Synthesis of Highly Functionalized Aminocyclopentanes Using the Bridged Mode (β^2 -Tether) Process. <i>Journal of Organic Chemistry</i> , 1998, 63, 6178-6195.	1.7	32
297	Development and Mechanism of an Enantioselective Bromocycloetherification Reaction via Lewis Base/Chiral Brønsted Acid Cooperative Catalysis. <i>Chirality</i> , 2014, 26, 344-355.	1.3	32
298	Chemistry of Enoxysilacyclobutanes. 3. Uncatalyzed, <i>Syn</i> -Selective, Asymmetric Aldol Additions. <i>Journal of Organic Chemistry</i> , 1994, 59, 5136-5138.	1.7	31
299	Beneficial Effect of ortho-Methoxy Groups in the Asymmetric Ring Opening of meso Epoxides with Silicon Tetrachloride Catalyzed by Chiral ortho-Methoxyphenyldiazaphosphonamide Lewis Bases Response to the Communication by G. Buono et al.. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 2255-2256.	7.2	31
300	Tandem Double Intramolecular [4+2]/[3+2] Cycloadditions of Nitroalkenes. The Fused/Bridged Mode. <i>Journal of Organic Chemistry</i> , 2003, 68, 8015-8024.	1.7	31
301	Deconstructing Quinine. Part 1. Toward an Understanding of the Remarkable Performance of Cinchona Alkaloids in Asymmetric Phase Transfer Catalysis. <i>Heterocycles</i> , 2010, 82, 1527.	0.4	31
302	Dreams, False Starts, Dead Ends, and Redemption: A Chronicle of the Evolution of a Chemoinformatic Workflow for the Optimization of Enantioselective Catalysts. <i>Accounts of Chemical Research</i> , 2021, 54, 2041-2054.	7.6	31
303	Carbanion-accelerated Claisen rearrangements 3. Vicinal quaternary centers. <i>Tetrahedron Letters</i> , 1984, 25, 1543-1546.	0.7	30
304	Carbanion-accelerated Claisen rearrangements. 7. Phosphine oxide and phosphonate anion stabilizing groups. <i>Journal of Organic Chemistry</i> , 1991, 56, 1003-1013.	1.7	30
305	Solution- and solid-state structure and dynamics of thiophosphonamide anions: electronic tuning of rotational barriers. <i>Journal of the American Chemical Society</i> , 1993, 115, 3826-3827.	6.6	30
306	Tandem Inter [4 + 2]/Intra [3 + 2] Cycloadditions of Nitroalkenes. A Versatile Asymmetric Synthesis of Highly Functionalized Aminocyclopentanes. <i>Journal of Organic Chemistry</i> , 1997, 62, 7086-7087.	1.7	30

#	ARTICLE	IF	CITATIONS
307	Tandem Double Intramolecular [4 + 2]/[3 + 2] Cycloadditions of Nitroalkenes. <i>Organic Letters</i> , 2001, 3, 2907-2910.	2.4	30
308	Mechanistic Insights into the Chiral Phosphoramidate-Catalyzed, Enantioselective Crossed-Aldol Reactions of Aldehydes. <i>Journal of Organic Chemistry</i> , 2005, 70, 10393-10399.	1.7	30
309	Catalytic, Nucleophilic Allylation of Aldehydes with 2-Substituted Allylic Acetates: Carbon-Carbon Bond Formation Driven by the Water-Gas Shift Reaction. <i>Journal of Organic Chemistry</i> , 2014, 79, 5970-5986.	1.7	30
310	Room Temperature, Reductive Alkylation of Activated Methylene Compounds: Carbon-Carbon Bond Formation Driven by the Rhodium-Catalyzed Water-Gas Shift Reaction. <i>ACS Catalysis</i> , 2017, 7, 613-630.	5.5	30
311	Organoselenium-catalyzed enantioselective syn-dichlorination of unbiased alkenes. <i>Tetrahedron</i> , 2019, 75, 4086-4098.	1.0	30
312	Enantioselective Synthesis of β -Lactams by Lewis Base Catalyzed Sulfoamidation of Alkenes. <i>Organic Letters</i> , 2020, 22, 2501-2505.	2.4	30
313	Asymmetric Hydrogenation of Unfunctionalized Tetrasubstituted Acyclic Olefins. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2844-2849.	7.2	30
314	Modified Proline Auxiliaries for Selective Addition of Organocerium Reagents to Hydrazones. <i>Synlett</i> , 1989, 1989, 20-22.	1.0	29
315	Investigations on transition-state geometry in the aldol condensation. <i>Journal of the American Chemical Society</i> , 1989, 111, 8032-8034.	6.6	29
316	Chiral Amino Alcohol Modified Halomethylzinc Reagents. <i>Synlett</i> , 1992, 1992, 229-230.	1.0	29
317	Probing the electronic demands of transmetalation in the palladium-catalyzed cross-coupling of arylsilanolates. <i>Tetrahedron</i> , 2011, 67, 4391-4396.	1.0	29
318	Enantioselective Construction of Quaternary Stereogenic Carbon Atoms by the Lewis Base Catalyzed Additions of Silyl Ketene Imines to Aldehydes. <i>Chemistry - A European Journal</i> , 2014, 20, 9268-9279.	1.7	29
319	Mechanistic Significance of the Si-O-Pd Bond in the Palladium-Catalyzed Cross-Coupling Reactions of Alkenylsilanolates. <i>Journal of the American Chemical Society</i> , 2015, 137, 6192-6199.	6.6	29
320	Toward Catalytic, Enantioselective Chlorolactonization of 1,2-Disubstituted Styrenyl Carboxylic Acids. <i>Journal of Organic Chemistry</i> , 2016, 81, 10411-10423.	1.7	29
321	Carbanion-accelerated Claisen rearrangements 5. Studies on stereocontrol with phosphorus-stabilized anions. <i>Tetrahedron Letters</i> , 1989, 30, 2469-2472.	0.7	28
322	A stereochemical study on the intramolecular hydrosilylation of β,β -unsaturated esters. <i>Tetrahedron Letters</i> , 1992, 33, 5037-5040.	0.7	28
323	Chirality in Fullerene Chemistry. <i>Topics in Stereochemistry</i> , 2003, , 1-124.	2.0	28
324	Reinvestigation of a Catalytic, Enantioselective Alkene Dibromination and Chlorohydroxylation. <i>Organic Letters</i> , 2015, 17, 5728-5731.	2.4	28

#	ARTICLE	IF	CITATIONS
325	An AB initio study of the [1,2] proton transfer from phosphine oxide to phosphinic acid. <i>Chemical Physics Letters</i> , 1987, 136, 17-21.	1.2	27
326	Tandem Inter [4 + 2]/Intra [3 + 2] Cycloadditions of Nitroalkenes. The Bridged Mode (β^2 -Tether) β^2 . <i>Journal of Organic Chemistry</i> , 1998, 63, 6167-6177.	1.7	27
327	Diastereoselective Aldol Addition Reactions of a Chiral Methyl Ketone Trichlorosilyl Enolate under Lewis Base Catalysis. <i>Synlett</i> , 2001, 2001, 1024-1029.	1.0	27
328	The CH/... Hydrogen Bond: An Important Molecular Force in Controlling the Crystal Conformation of Organic Compounds and Three-Dimensional Structure of Biopolymers. <i>Topics in Stereochemistry</i> , 2006, , 255-302.	2.0	27
329	Engineering Stereospecific Reactions in Crystals: Synthesis of Compounds with Adjacent Stereogenic Quaternary Centers by Photodecarbonylation of Crystalline Ketones. <i>Topics in Stereochemistry</i> , 2006, , 205-253.	2.0	27
330	Investigations into Transition... State Geometry in the Mukaiyama Directed Aldol Reaction. <i>Chemistry - an Asian Journal</i> , 2008, 3, 327-341.	1.7	27
331	Stereocontrolled Total Syntheses of Isodomoic Acids G and H via a Unified Strategy. <i>Journal of Organic Chemistry</i> , 2011, 76, 201-215.	1.7	27
332	(R)-3-METHYL-3-PHENYL-1-PENTENE VIA CATALYTIC ASYMMETRIC HYDROVINYLATION. <i>Organic Syntheses</i> , 2008, 85, 248.	1.0	27
333	Asymmetric Synthesis of the ABCD Ring System of Daphnilactone B via a Tandem, Double Intramolecular, [4+2] / [3+2] Cycloaddition Strategy. <i>Heterocycles</i> , 2008, 76, 143.	0.4	27
334	A vinylsilane route to trans-7a-methylhydrind-4-en-1,6-dione. <i>Tetrahedron Letters</i> , 1984, 25, 1231-1234.	0.7	26
335	A Diastereoselective Synthesis of (dl)-1,3-Diphenyl-1,3-propanediamines. <i>Synthesis</i> , 1992, 1992, 229-234.	1.2	25
336	Homo- and Heterochirality in Crystals. <i>Topics in Stereochemistry</i> , 2006, , 81-134.	2.0	25
337	Evaluating continuous chirality measure as a 3D descriptor in chemoinformatics applied to asymmetric catalysis. <i>Tetrahedron</i> , 2019, 75, 1841-1851.	1.0	25
338	Cautionary Guidelines for Machine Learning Studies with Combinatorial Datasets. <i>ACS Combinatorial Science</i> , 2020, 22, 586-591.	3.8	25
339	Tandem inter [4+2]/intra [3+2] cycloadditions. 8. Cycloadditions with unactivated dipolarophiles. <i>Tetrahedron</i> , 1996, 52, 11579-11600.	1.0	23
340	Catalytic Conjugate Addition of Acyl Anion Equivalents Promoted by Fluorodesilylation. <i>Organic Letters</i> , 2014, 16, 70-73.	2.4	23
341	Chiral Discrimination during Crystallization. <i>Topics in Stereochemistry</i> , 2003, , 207-265.	2.0	22
342	Carbanion-Accelerated Claisen Rearrangements: Asymmetric Induction with Chiral Phosphorus-Stabilized Anions. <i>Journal of Organic Chemistry</i> , 2013, 78, 66-82.	1.7	22

#	ARTICLE	IF	CITATIONS
343	The stereochemical course of migration from phosphorus to nitrogen in the photo-Curtius rearrangement of phosphinic azides (Harger reaction). <i>Journal of Organic Chemistry</i> , 1989, 54, 5-6.	1.7	21
344	Solution and Solid-State Structure of a Lithiated Phosphane Oxide. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 2515-2517.	4.4	21
345	The Chemistry of Chlorosilyl Enolates 3.: Variation of the Silyl Group and the Effect on Rate and Enantiomeric Excess of Acetate Aldol Additions. <i>Synlett</i> , 1997, 1997, 1087-1089.	1.0	21
346	.alpha.-Nitro keto hydrazone and keto imine dianions. Synthetic equivalents for the nitroalkene d3 synthon. <i>Journal of Organic Chemistry</i> , 1988, 53, 1251-1263.	1.7	20
347	Highly Diastereoselective Aldol Additions of a Chiral Ethyl Ketone Enolate under Lewis Base Catalysis. <i>Organic Letters</i> , 2001, 3, 2201-2204.	2.4	20
348	Synthesis of cis,cis,cis,cis-[5.5.5.5]-1-Azafenestrane. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 4122-4125.	7.2	20
349	Intramolecular [4 + 2] Cycloaddition of Nitroalkenes for Construction of Vicinal Quaternary Stereocenters. <i>Organic Letters</i> , 2005, 7, 5617-5620.	2.4	20
350	Die Wassergasâ€šiftâ€š-Reaktion in der organischen Synthese. <i>Angewandte Chemie</i> , 2016, 128, 12348-12374.	1.6	20
351	Stereochemical language in supramolecular polymer chemistry: How we can do better. <i>Journal of Polymer Science</i> , 2021, 59, 1171-1174.	2.0	20
352	Potassium Trimethylsilylanolate-Promoted, Anhydrous Suzukiâ€šMiyaura Cross-Coupling Reaction Proceeds via the â€œBoronate Mechanismâ€š Evidence for the Alternative Fork in the Trail. <i>Journal of the American Chemical Society</i> , 2022, 144, 4345-4364.	6.6	20
353	Organocerium additions to proline-derived hydrazones: synthesis of enantiomerically enriched amines. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 1278-1302.	1.8	19
354	Studies on the reduction and hydrolysis of nitroso acetals. <i>Canadian Journal of Chemistry</i> , 2001, 79, 1606-1616.	0.6	18
355	Stereoselective alkylation of chiral .alpha.-nitro keto imine dianions. Observations on the role of amide bases. <i>Journal of the American Chemical Society</i> , 1988, 110, 4432-4434.	6.6	17
356	Torsional Motion of Stilbene-type Molecules in Crystals. <i>Topics in Stereochemistry</i> , 2006, , 31-47.	2.0	17
357	Investigating the Enantiodetermining Step of a Chiral Lewis Base Catalyzed Bromocycloetherification of Privileged Alkenes. <i>Synlett</i> , 2018, 29, 433-439.	1.0	17
358	Investigations on transition state geometry of the aldol condensation in aqueous medium. <i>Tetrahedron Letters</i> , 1992, 33, 7729-7732.	0.7	16
359	Solution and solid-state structures of lithiated cyclic phosphonates. <i>Heteroatom Chemistry</i> , 1998, 9, 209-218.	0.4	16
360	Cross-coupling reactions of alkenylsilylanols with fluoroalkylsulfonates: development and optimization of a mild and stereospecific coupling process. <i>Tetrahedron Letters</i> , 2011, 52, 2165-2168.	0.7	16

#	ARTICLE	IF	CITATIONS
361	A Theoretical Investigation on the Mechanism and Stereochemical Course of the Addition of (E)-2-Butenyltrimethylsilane to Acetaldehyde by Electrophilic and Nucleophilic Activation. <i>Journal of the American Chemical Society</i> , 2013, 135, 4743-4756.	6.6	16
362	Intramolecular [4 + 2]-cycloadditions of vinylnitrosonium cations with olefins. <i>Journal of Organic Chemistry</i> , 1987, 52, 877-887.	1.7	15
363	Diastereoselective alkylations of chiral, phosphorus-stabilized carbanions: N-alkyl substituent effects in P-alkyl-1,3,2-diazaphosphorinane 2-oxides. <i>Canadian Journal of Chemistry</i> , 2000, 78, 673-688.	0.6	15
364	Structural Contributions to Autocatalysis and Asymmetric Amplification in the Soai Reaction. <i>Journal of the American Chemical Society</i> , 2020, 142, 18387-18406.	6.6	15
365	The stereostructures of [1,1- ϵ^2 -bicyclohexyl]-2,2- ϵ^2 -diones: A reassignment. <i>Tetrahedron Letters</i> , 1986, 27, 3693-3696.	0.7	14
366	Unexpected ambidoselectivity in crossed-aldol reactions of $\hat{I}\pm$ -oxy aldehyde trichlorosilyl enolates. <i>Tetrahedron</i> , 2007, 63, 8636-8644.	1.0	14
367	Enantio- and Diastereoselective, Lewis Base Catalyzed, Cascade Sulfoacetalization of Alkenyl Aldehydes. <i>Angewandte Chemie</i> , 2019, 131, 12616-12620.	1.6	14
368	Application of Machine Learning and Reaction Optimization for the Iterative Improvement of Enantioselectivity of Cinchona-Derived Phase Transfer Catalysts. <i>Organic Process Research and Development</i> , 2022, 26, 670-682.	1.3	14
369	Reduction of Allylpalladium(II)chloride Dimer by Formation of Allyloxy-Silanes. <i>Synlett</i> , 2006, 2006, 2921-2928.	1.0	13
370	Sequential Processes in Palladium-Catalyzed Silicon-Based Cross-Coupling. <i>Israel Journal of Chemistry</i> , 2010, 50, 577-587.	1.0	13
371	Carbanion hybridization of thiophosphonamide-stabilized anions: remarkable steric and solvation effects. <i>Journal of the American Chemical Society</i> , 1993, 115, 12195-12196.	6.6	12
372	Computational methods for training set selection and error assessment applied to catalyst design: guidelines for deciding which reactions to run first and which to run next. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 694-708.	1.9	12
373	A Unified Strategy for the Asymmetric Synthesis of Highly Substituted 1,2-Amino Alcohols Leading to Highly Substituted Bisoxazoline Ligands. <i>Journal of Organic Chemistry</i> , 2021, 86, 3490-3534.	1.7	12
374	Catalytic, Enantioselective Diamination of Alkenes. <i>Synthesis</i> , 2021, 53, 3951-3962.	1.2	12
375	Lewis Base Catalyzed, Sulfenium Ion Initiated Enantioselective, Spiroketalization Cascade. <i>Journal of Organic Chemistry</i> , 2021, 86, 14250-14289.	1.7	12
376	Enantioselective Inter- and Intramolecular Sulfenofunctionalization of Unactivated Cyclic and (<i>cis</i>)-Alkenes. <i>ACS Catalysis</i> , 2022, 12, 7377-7385.	5.5	12
377	Synthesis of <i>cis,cis,cis,cis</i> -[5.5.5.5]-1-Azafenestrane. <i>Angewandte Chemie</i> , 2002, 114, 4296-4299.	1.6	11
378	Chiral Auxiliaries Powerful for Both Enantiomer Resolution and Determination of Absolute Configuration by X-Ray Crystallography. <i>Topics in Stereochemistry</i> , 2006, , 177-203.	2.0	11

#	ARTICLE	IF	CITATIONS
379	Stereoelectronic Effects of the Group 4 Metal Substituents in Organic Chemistry. <i>Topics in Stereochemistry</i> , 2007, , 137-200.	2.0	11
380	On the stereochemical course of the addition of allylsilanes to aldehydes. <i>Tetrahedron</i> , 2012, 68, 7701-7718.	1.0	11
381	Catalytic Nucleophilic Allylation Driven by the Water-Gas Shift Reaction. <i>Journal of Organic Chemistry</i> , 2018, 83, 23-48.	1.7	11
382	Enantioselective synthesis of alkylidene cyclohexanes by an asymmetric olefination/cross-coupling sequence. <i>Heteroatom Chemistry</i> , 1995, 6, 133-144.	0.4	10
383	Tandem [4 + 2]/[3 + 2] Cycloadditions of Nitroalkenes. 10.trans-2-(1-Methyl-1-phenylethyl)cyclohexanol as a New Auxiliary. <i>Journal of Organic Chemistry</i> , 1996, 61, 6727-6729.	1.7	10
384	Nitronates. <i>Chemistry of Heterocyclic Compounds (New York, 1951): A Series of Monographs</i> , 2003, , 83-167.	0.0	10
385	Stereoselective Thermal Solid State Reactions. <i>Topics in Stereochemistry</i> , 2006, , 303-350.	2.0	10
386	The Interplay of Invention, Observation, and Discovery in the Development of Lewis Base Activation of Lewis Acids for Catalytic Enantioselective Synthesis. <i>Topics in Organometallic Chemistry</i> , 2012, , 55-89.	0.7	10
387	Organic Synthesis: Wherefrom and Whither? (Some Very Personal Reflections). <i>Israel Journal of Chemistry</i> , 2018, 58, 61-72.	1.0	10
388	Inter- and Intramolecular [4+2] Cycloaddition of Nitroalkenes with Allenylsilanes. A Case of Unexpected Regioselectivity. <i>Heterocycles</i> , 2002, 58, 129.	0.4	9
389	Stereoselective Alkylations of Chiral Nitro Imine and Nitro Hydrazone Dianions. Synthesis of Enantiomerically Enriched 3-Substituted 1-Nitrocyclohexenes. <i>Journal of Organic Chemistry</i> , 2008, 73, 9647-9656.	1.7	9
390	Total Synthesis of Papulacandin D. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2008, 66, 616-628.	0.0	9
391	Redefining q: quaternary ammonium cross sectional area (XSA) as a general descriptor for transport-limiting PTC rate approximations. <i>Chemical Science</i> , 2015, 6, 2211-2218.	3.7	9
392	Dynamically Chiral Helical Polymers: A New Frontier in Asymmetric Catalysis?. <i>ACS Central Science</i> , 2019, 5, 1117-1119.	5.3	9
393	Unexpected Rearrangement of 2-Bromoaniline under Biphasic Alkylation Conditions. <i>Synlett</i> , 2017, 28, 2891-2895.	1.0	8
394	Palladium/Rhodium Cooperative Catalysis for the Production of Aryl Aldehydes and Their Deuterated Analogues Using the Water-Gas Shift Reaction. <i>Angewandte Chemie</i> , 2018, 130, 10519-10524.	1.6	8
395	Stereoselective Reactions with Catalytic Antibodies. <i>Topics in Stereochemistry</i> , 2007, , 83-135.	2.0	7
396	Asymmetric Catalysis with Chiral Lewis Bases: A New Frontier in Main Group Chemistry. <i>Chimia</i> , 2008, 62, 37-40.	0.3	7

#	ARTICLE	IF	CITATIONS
397	Katalytische enantioselektive Sulfenofunktionalisierung von Alkenen: Entwicklung und aktuelle Fortschritte. <i>Angewandte Chemie</i> , 2020, 132, 19966-19990.	1.6	7
398	A Conformer-Dependent, Quantitative Quadrant Model. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 2343-2354.	1.2	7
399	Stereospecific cleavage of carbon-phosphorus bonds: Stereochemical course of the phosphinoyl curtius (harger) reaction. <i>Chirality</i> , 2002, 14, 241-257.	1.3	6
400	Unusual Kinetic Profiles for Lewis Base-Catalyzed Sulfenocyclization of ortho-Geranylphenols in Hexafluoroisopropyl Alcohol. <i>Synlett</i> , 2019, 30, 1656-1661.	1.0	6
401	Synthesis of Enantioenriched 3,4-Disubstituted Chromans through Lewis Base Catalyzed Carbosulfonylation. <i>Journal of Organic Chemistry</i> , 2021, 86, 14290-14310.	1.7	6
402	Über die Struktur eines lithiierten Phosphanoxids in Lösung und in festem Zustand. <i>Angewandte Chemie</i> , 1996, 108, 2686-2688.	1.6	5
403	Catalysts break symmetry. <i>Nature</i> , 2006, 443, 40-41.	13.7	5
404	Synthesis of 1°- and 2°-branched ethers from alcohols by reaction of acetals with grignard reagents: synthesis of isopropyl and isobutyl ethers of (1S*,2R*S*,4R*)-6-methylenebicyclo[2.2.2]octan-2-ol. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1991, , 2899-2906.	0.9	4
405	Ernest L. Eliel, a Physical Organic Chemist with the Right Tool for the Job: Rapid Injection Nuclear Magnetic Resonance. <i>ACS Symposium Series</i> , 2017, , 105-134.	0.5	4
406	Chapter 4 Application of silicon-assisted intramolecular cross-coupling in total synthesis of (+)-brasilenyne. <i>Strategies and Tactics in Organic Synthesis</i> , 2005, , 100-136.	0.1	3
407	Total Synthesis of Papulacandin D. <i>Strategies and Tactics in Organic Synthesis</i> , 2012, 8, 79-126.	0.1	3
408	Synthesis of 2-Alkenyl-Tethered Anilines. <i>Synthesis</i> , 2017, 49, 2873-2888.	1.2	3
409	Selective extraction of supported Rh nanoparticles under mild, non-acidic conditions with carbon monoxide. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18075-18083.	5.2	3
410	Studies on the Mechanism of Allylmetal-Acetal Additions. , 1989, , 247-263.		3
411	Preparation of a Diisopropylselenophosphoramidate Catalyst and its Use in Enantioselective Sulfoetherification. <i>Organic Syntheses</i> , 2019, 96, 400-417.	1.0	3
412	Asymmetric Construction of Quaternary Stereogenic Centers via Auxiliary-Based SN2 TM Reactions: A Case of 1,7-Relative Stereogenesis. <i>Heterocycles</i> , 2014, 88, 559.	0.4	3
413	Organosilicon Reagents: Synthesis and Application to Palladium-Catalyzed Cross-Coupling Reactions. <i>ChemInform</i> , 2004, 35, no.	0.1	2
414	Supramolecular Networks of Porphyrins. <i>Topics in Stereochemistry</i> , 2006, , 49-80.	2.0	2

#	ARTICLE	IF	CITATIONS
415	Supramolecular Synthesis of 1D Chains and 2D Layers in Hydrogen Bond Networks of Ureas and 2-Pyrimidinones. <i>Topics in Stereochemistry</i> , 2006, , 135-176.	2.0	2
416	Asymmetric Catalysis with Chiral Lanthanoid Complexes. <i>Topics in Stereochemistry</i> , 2007, , 201-255.	2.0	2
417	Non-invasive analysis of bovine embryo metabolites during in vitro&/em> embryo culture using nuclear magnetic resonance. <i>AIMS Bioengineering</i> , 2016, 3, 538-551.	0.6	2
418	Anhydrous, Homogeneous, Suzuki-Miyaura Cross-Coupling of Boronic Esters using Potassium Trimethylsilylanolate. <i>Organic Syntheses</i> , 2020, 97, 245-261.	1.0	2
419	Stereoselective Synthesis of Trisubstituted Olefins. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1996, 111, 196-196.	0.8	1
420	Enantioselective [2+1] Cycloaddition: Cyclopropanation with Zinc Carbenoids. , 0, , 85-150.		1
421	The First Catalytic, Asymmetric $\hat{\pm}$ -Additions of Isocyanides. Lewis-Base-Catalyzed, Enantioselective Passerini-Type Reactions.. <i>ChemInform</i> , 2003, 34, no.	0.1	1
422	Catalytic Enantioselective Addition of Allylic Organometallic Reagents to Aldehydes and Ketones. <i>ChemInform</i> , 2003, 34, no.	0.1	1
423	Cross-Coupling of Alkynylsilanols with Aryl Halides Promoted by Potassium Trimethylsilylanolate.. <i>ChemInform</i> , 2004, 35, no.	0.1	1
424	Stereochemistry of Molecules in Inclusion Crystals. <i>Topics in Stereochemistry</i> , 2006, , 1-29.	2.0	1
425	Crystal Structures and Functionalities of Platinum(II) Complexes Controlled by Various Intermolecular Interactions. <i>Topics in Stereochemistry</i> , 2006, , 351-373.	2.0	1
426	Chapter 1 Total synthesis of RK-397. <i>Strategies and Tactics in Organic Synthesis</i> , 2008, , 1-34.	0.1	1
427	Understanding Site Selectivity in the Palladium-Catalyzed Cross-Coupling of Allenylsilylanolates. <i>Synlett</i> , 2017, 28, 2415-2420.	1.0	1
428	Leveraging Machine Learning for Enantioselective Catalysis: From Dream to Reality. <i>Chimia</i> , 2021, 75, 592.	0.3	1
429	Modified Proline Auxiliaries for Selective Addition of Organocerium Reagents to Hydrazones. <i>Synlett</i> , 1989, 1989, 20-22.	1.0	1
430	Preface to Special Issue of HETEROCYCLES - Honoring the 85th Birthday of Prof. Dr. Albert Eschenmoser. <i>Heterocycles</i> , 2010, 82, 5.	0.4	1
431	(R)-N,N $\hat{\text{e}}$ TM -Dimethyl-1,1 $\hat{\text{e}}$ TM -binaphthylidiamine. <i>Organic Syntheses</i> , 2019, 96, 382-399.	1.0	1
432	Lewis Base Activation of Lewis Acids. Addition of Silyl Ketene Acetals to Aldehydes.. <i>ChemInform</i> , 2003, 34, no.	0.1	0

#	ARTICLE	IF	CITATIONS
433	Cross-Coupling Reactions of Alkenylsilanols with Fluoroalkylsulfonates.. ChemInform, 2003, 34, no.	0.1	0
434	Diastereoselective Aldol Additions of Chiral β^2 -Hydroxy Ethyl Ketone Enolates Catalyzed by Lewis Bases.. ChemInform, 2003, 34, no.	0.1	0
435	The Effects of a Remote Stereogenic Center in the Lewis Base Catalyzed Aldol Additions of Chiral Trichlorosilyl Enolates.. ChemInform, 2003, 34, no.	0.1	0
436	Intramolecular anti-Hydrosilylation and Silicon-Assisted Cross-Coupling: Highly Regio- and Stereoselective Synthesis of Trisubstituted Homoallylic Alcohols.. ChemInform, 2003, 34, no.	0.1	0
437	Catalytic Enantioselective Allylation with Chiral Lewis Bases. ChemInform, 2003, 34, no.	0.1	0
438	Intramolecular syn and anti Hydrosilylation and Silicon-Assisted Cross-Coupling: Highly Regio- and Stereoselective Synthesis of Trisubstituted Allylic Alcohols.. ChemInform, 2003, 34, no.	0.1	0
439	Cross-Coupling Reactions of Arylsilanols with Substituted Aryl Halides.. ChemInform, 2003, 34, no.	0.1	0
440	Lewis Base Activation of Lewis Acids. Catalytic Enantioselective Addition of Silyl Enol Ethers of Achiral Methyl Ketones to Aldehydes.. ChemInform, 2003, 34, no.	0.1	0
441	Tandem Intramolecular Silylformylation and Silicon-Assisted Cross-Coupling Reactions. Synthesis of Geometrically Defined β^1, β^2 -Unsaturated Aldehydes.. ChemInform, 2003, 34, no.	0.1	0
442	Lewis Base Activation of Lewis Acids. Vinylogous Aldol Reactions.. ChemInform, 2003, 34, no.	0.1	0
443	Cumulative Title Index. Topics in Stereochemistry, 2003, , 363-369.	2.0	0
444	Palladium-Catalyzed Conjugate Addition of Organosiloxanes to β^1, β^2 -Unsaturated Carbonyl Compounds and Nitroalkenes.. ChemInform, 2004, 35, no.	0.1	0
445	Palladium-Catalyzed Silylation of Aryl Bromides Leading to Functionalized Aryldimethylsilanols.. ChemInform, 2004, 35, no.	0.1	0
446	Tandem Double Intramolecular [4 + 2]/[3 + 2] Cycloadditions of Nitroalkenes. The Fused/Bridged Mode.. ChemInform, 2004, 35, no.	0.1	0
447	2-Silyloxy-1,2-oxazines, a New Type of Acetals to Conjugated Nitroso Alkenes.. ChemInform, 2004, 35, no.	0.1	0
448	Palladium-Catalyzed Cross-Coupling Reactions of 2-Indolyldimethylsilanols with Substituted Aryl Halides.. ChemInform, 2005, 36, no.	0.1	0
449	Sequential Ring-Closing Metathesis/Pd-Catalyzed, Si-Assisted Cross-Coupling Reactions: General Synthesis of Highly Substituted Unsaturated Alcohols and Medium-Sized Rings Containing a 1,3-cis?cis Diene Unit.. ChemInform, 2005, 36, no.	0.1	0
450	Lewis Base Activation of Lewis Acids: Vinylogous Aldol Additions of Silyl Dienol Ethers to Aldehydes.. ChemInform, 2005, 36, no.	0.1	0

#	ARTICLE	IF	CITATIONS
451	Lewis Base Activation of Lewis Acids: Catalytic, Enantioselective Addition of Silyl Ketene Acetals to Aldehydes.. ChemInform, 2005, 36, no.	0.1	0
452	Synthesis of 3,4,5-Trisubstituted Isoxazoles via Sequential [3 + 2] Cycloaddition/Silicon-Based Cross-Coupling Reactions.. ChemInform, 2005, 36, no.	0.1	0
453	Sequential Cross-Coupling of 1,4-Bissilylbutadienes: Synthesis of Unsymmetrical 1,4-Disubstituted 1,3-Butadienes.. ChemInform, 2005, 36, no.	0.1	0
454	Catalytic, Enantioselective, Vinylogous Aldol Reactions. ChemInform, 2005, 36, no.	0.1	0
455	Cumulative Title Index. Topics in Stereochemistry, 2006, , 397-403.	2.0	0
456	Cumulative Title Index. Topics in Stereochemistry, 2007, , 297-302.	2.0	0
457	Catalytic, Enantioselective Aldol Additions to Ketones.. ChemInform, 2010, 33, 24-24.	0.1	0
458	Asymmetric Construction of Quaternary Centers by Enantioselective Allylation: Application to the Synthesis of the Serotonin Antagonist LY426965.. ChemInform, 2002, 33, 31-31.	0.1	0
459	Asymmetric Catalysis with Chiral Lewis Bases. , 1999, , 7-15.		0
460	Beneficial Effect of ortho-Methoxy Groups in the Asymmetric Ring Opening of meso Epoxides with Silicon Tetrachloride Catalyzed by Chiral ortho-Methoxyphenyldiazaphosphonamide Lewis Bases Response to the Communication by G. Buono et al. We are grateful to the National Science Foundation (CHE-9803124) for generous financial support. Cory M. Stiff is thanked for preliminary experiments.. Angewandte Chemie - International Edition, 2001, 40, 2255-2256.	7.2	0