Franklin A Davis

List of Publications by Year
in descending order

179	12,285	18482 62	33894 99
papers	citations	h-index	g-index

192	192	192	4937
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Asymmetric hydroxylation of enolates with N-sulfonyloxaziridines. Chemical Reviews, 1992, 92, 919-934.	47.7	606
2	Recent Synthetic Applications of Chiral Aziridines. Synthesis, 2000, 2000, 1347-1365.	2.3	546
3	Applications of oxaziridines in organic synthesis. Tetrahedron, 1989, 45, 5703-5742.	1.9	377
4	Recent advances in asymmetric reactions using sulfinimines (N-sulfinyl imines). Tetrahedron, 2004, 60, 8003-8030.	1.9	369
5	Asymmetric synthesis of amino acids using sulfinimines (thiooxime S-oxides). Chemical Society Reviews, 1998, 27, 13.	38.1	295
6	Adventures in Sulfurâ^'Nitrogen Chemistry. Journal of Organic Chemistry, 2006, 71, 8993-9003.	3.2	246
7	Synthesis of .alpha.-hydroxycarbonyl compounds (acyloins): direct oxidation of enolates using 2-sulfonyloxaziridines. Journal of Organic Chemistry, 1984, 49, 3241-3243.	3.2	235
8	Asymmetric Synthesis and Properties of Sulfinimines (ThiooximeS-Oxides). Journal of Organic Chemistry, 1997, 62, 2555-2563.	3.2	199
9	Improved Synthesis of Enantiopure Sulfinimines (ThiooximeS-Oxides) fromp-Toluenesulfinamide and Aldehydes and Ketones. Journal of Organic Chemistry, 1999, 64, 1403-1406.	3.2	197
10	Chemistry of oxaziridines. 17. N-(Phenylsulfonyl)(3,3-dichlorocamphoryl)oxaziridine: a highly efficient reagent for the asymmetric oxidation of sulfides to sulfoxides. Journal of the American Chemical Society, 1992, 114, 1428-1437.	13.7	154
11	Selective, Electrophilic Fluorinations Using N-Fluoro-o-benzenedisulfonimide. Journal of Organic Chemistry, 1995, 60, 4730-4737.	3.2	151
12	Asymmetric synthesis of sulfinimines: applications to the synthesis of nonracemic .beta.-amino acids and .alpha.-hydroxyl .beta.-amino acids. Journal of Organic Chemistry, 1992, 57, 6387-6389.	3.2	143
13	Chemistry of oxaziridines. 14. Asymmetric oxidation of ketone enolates using enantiomerically pure (camphorylsulfonyl)oxaziridine. Journal of the American Chemical Society, 1990, 112, 6679-6690.	13.7	140
14	Asymmetric Synthesis and Reactions of cis-N-(p-Toluenesulfinyl)aziridine-2-carboxylic Acids. Journal of Organic Chemistry, 1994, 59, 3243-3245.	3.2	140
15	Asymmetric oxidation of ester and amide enolates using new (camphorylsulfonyl)oxaziridines. Journal of Organic Chemistry, 1986, 51, 2402-2404.	3.2	131
16	Chemistry of oxaziridines. 1. Synthesis and structure of 2-arenesulfonyl-3-aryloxaziridines. A new class of oxaziridines. Journal of the American Chemical Society, 1980, 102, 2000-2005.	13.7	129
17	Chemistry of oxaziridines. 2. Improved synthesis of 2-sulfonyloxaziridines. Journal of Organic Chemistry, 1982, 47, 1774-1775.	3.2	126
18	Concise Asymmetric Synthesis of Î±-Amino Acid Derivatives fromN-Sulfinylimino Esters. Journal of Organic Chemistry, 1999, 64, 3396-3397.	3.2	124

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19	Asymmetric Strecker Synthesis Using Enantiopure Sulfinimines and Diethylaluminum Cyanide:Â The Alcohol Effect. Journal of Organic Chemistry, 1996, 61, 440-441.	3.2	123
20	Asymmetric Synthesis of 2H-Azirines: First Enantioselective Synthesis of the Cytotoxic Antibiotic (R)-(-)-Dysidazirine. Journal of the American Chemical Society, 1995, 117, 3651-3652.	13.7	116
21	Chemistry of oxaziridines. 9. Synthesis of 2-sulfonyl- and 2-sulfamyloxaziridines using potassium peroxymonosulfate (oxone). Journal of Organic Chemistry, 1988, 53, 2087-2089.	3.2	113
22	(-)-.alpha.,.alpha.-Dichlorocamphorsulfonyloxaziridine: a superior reagent for the asymmetric oxidation of sulfides to sulfoxides. Journal of the American Chemical Society, 1989, 111, 5964-5965.	13.7	112
23	Chemistry of oxaziridines. 11. (Camphorylsulfonyl)oxaziridine: synthesis and properties. Journal of the American Chemical Society, 1988, 110, 8477-8482.	13.7	110
24	Chemistry of sulfenic acids. 7. Reason for the high reactivity of sulfenic acids. Stabilization by intramolecular hydrogen bonding and electronegativity effects. Journal of Organic Chemistry, 1986, 51, 1033-1040.	3.2	107
25	Applications of the Sulfinimine-Mediated Asymmetric Strecker Synthesis to the Synthesis of Î±-Alkyl Î±-Amino Acids. Journal of Organic Chemistry, 2000, 65, 8704-8708.	3.2	107
26	N-fluoro-o-benzenedisulfonimide: a useful new fluorinating reagent. Tetrahedron Letters, 1991, 32, 1631-1634.	1.4	104
27	Asymmetric Fluorination of Enolates with NonracemicN-Fluoro-2,10-Camphorsultams. Journal of Organic Chemistry, 1998, 63, 2273-2280.	3.2	101
28	Asymmetric Synthesis of Aziridine 2-Phosphonates from Enantiopure Sulfinimines (N-Sulfinyl Imines). Synthesis of Î±-Amino Phosphonates. Journal of Organic Chemistry, 2003, 68, 2410-2419.	3.2	101
29	Intramolecular Mannich Reaction in the Asymmetric Synthesis of Polysubstituted Piperidines:â€‰ Concise Synthesis of the Dendrobate Alkaloid (+)-241D and Its C-4 Epimer. Organic Letters, 2001, 3, 3169-3171.	4.6	99
30	Aza-Darzens Asymmetric Synthesis ofN-(p-Toluenesulfinyl)aziridine 2-Carboxylate Esters from Sulfinimines (N-Sulfinyl Imines). Journal of Organic Chemistry, 1999, 64, 7559-7567.	3.2	97
31	Enantioselective synthesis of tertiary .alpha.-hydroxy carbonyl compounds using [(8,8-dichlorocamphoryl)sulfonyl]oxaziridine. Journal of Organic Chemistry, 1990, 55, 3715-3717.	3.2	95
32	Asymmetric Synthesis of Î²-Substituted Î±-Amino Acids Using 2H-Azirine-2-carboxylate Esters. Synthesis of 3,3-Disubstituted Aziridine-2-carboxylate Estersâ€. Journal of Organic Chemistry, 1997, 62, 3796-3797.	3.2	95
33	Asymmetric Total Synthesis of (â^')-Agelastatin A Using Sulfinimine (N-Sulfinyl Imine) Derived Methodologies. Organic Letters, 2005, 7, 621-623.	4.6	95
34	Asymmetric Synthesis of (R)-(+)-.beta.-Phenylalanine from (S)-(+)-Benzylidene-p-toluenesulfinamide. Regeneration of the Sulfinimine Precursor. Journal of Organic Chemistry, 1995, 60, 7037-7039.	3.2	94
35	Asymmetric fluorination of enolates with N-fluoro 2,10- (3,3-dichlorocamphorsultam). Tetrahedron Letters, 1993, 34, 3971-3974.	1.4	92
36	2-Methyl N-(p-toluenesulfinyl)aziridine-2-carboxylic acid: Asymmetric synthesis of Î±-methylphenylalanine and Î±-methyl-Î²-phenylserine. Tetrahedron Letters, 1996, 37, 5473-5476.	1.4	88

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37	Chemistry of oxaziridines. 3. Asymmetric oxidation of organosulfur compounds using chiral 2-sulfonyloxaziridines. Journal of the American Chemical Society, 1982, 104, 5412-5418.	13.7	86
38	Asymmetric Synthesis of Î±-Substituted Î²-Amino Ketones from Sulfinimines (N-Sulfinyl Imines). Synthesis of the Indolizidine Alkaloid (â^')-223A. Journal of the American Chemical Society, 2005, 127, 8398-8407.	13.7	83
39	Chemistry of sulfenic acids. 4. The first direct evidence for the involvement of sulfenic acids in the oxidation of thiols. Journal of the American Chemical Society, 1981, 103, 7016-7018.	13.7	82
40	Asymmetric synthesis of the antibiotic (+)-thiamphenicol using cis-N-(p-toluenesulfinyl)aziridine 2-carboxylic acids. Tetrahedron Letters, 1994, 35, 7525-7528.	1.4	81
41	Chemistry of oxaziridines. 10. Selective catalytic oxidation of sulfides to sulfoxides using N-sulfonyloxaziridines. Journal of Organic Chemistry, 1988, 53, 5004-5007.	3.2	80
42	Asymmetric Synthesis of Quaternary Î±-Amino Phosphonates Using Sulfinimines. Organic Letters, 2001, 3, 1757-1760.	4.6	80
43	Chemistry of oxaziridines. 8. Asymmetric oxidation of nonfunctionalized sulfides to sulfoxides with high enantioselectivity by 2-sulfamyloxaziridines. Influence of the oxaziridine C-aryl group on the asymmetric induction. Journal of the American Chemical Society, 1987, 109, 3370-3377.	13.7	78
44	Asymmetric oxidation of simple selenides to selenoxides in high enantiopurity. Stereochemical aspects of the allyl selenoxide/allyl selenenate rearrangement. Journal of Organic Chemistry, 1992, 57, 2599-2606.	3.2	78
45	Aziridine-2-carboxylic acid mediated asymmetric synthesis of D-erythro- and L-threo-sphingosine from a common precursor. Tetrahedron Letters, 1996, 37, 4349-4352.	1.4	75
46	Chemistry of the sulfur-nitrogen bond. VIII. N-Alkylidenesulfinamides. Journal of the American Chemical Society, 1974, 96, 5000-5001.	13.7	72
47	2-Arenesulfonyl-3-aryloxaziridines: A new class of aprotic oxidizing agents (oxidation of organic) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.4	72
48	Asymmetric synthesis of Î±-fluoro ketones using Î±-fluoro oxazolidinone carboximides. Tetrahedron Letters, 1998, 39, 6135-6138.	1.4	72
49	Chemistry of the sulfur-nitrogen bond. 12. Metal-assisted synthesis of sulfenamide derivatives from aliphatic and aromatic disulfides. Journal of Organic Chemistry, 1977, 42, 967-972.	3.2	71
50	Asymmetric oxidation of achiral selenides to optically active selenoxides. Tetrahedron, 1985, 41, 4747-4757.	1.9	71
51	Asymmetric Synthesis of the Quinolizidine Alkaloid (â^')-Epimyrtine with Intramolecular Mannich Cyclization andN-Sulfinyl Î´-Amino Î²-Ketoesters. Journal of Organic Chemistry, 2003, 68, 8061-8064.	3.2	71
52	Addition of dimethyloxosulfonium methylide to enantiomerically pure sulfinimines: Asymmetric synthesis of 2-substituted aziridines. Tetrahedron: Asymmetry, 1995, 6, 1511-1514.	1.8	70
53	Oxidation of silyl enol ethers using 2-sulfonyloxaziridines. Synthesis of .alpha.-siloxy epoxides and .alpha.-hydroxy carbonyl compounds. Journal of Organic Chemistry, 1987, 52, 954-955.	3.2	69
54	Synthesis and applications of nonracemic Î²-amino aldehydes to the asymmetric synthesis of piperdines: (+)-dihydropinidine. Tetrahedron Letters, 1998, 39, 5951-5954.	1.4	69

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55	Asymmetric synthesis of aziridine 2-phosphonates and azirinyl phosphonates from enantiopure sulfinimines. Tetrahedron Letters, 1999, 40, 249-252.	1.4	69
56	An Efficient Synthesis of (S)-(+)-Ethyl Î²-Amino-3-pyridinepropanoate Using Enantiopure Sulfinimines. Journal of Organic Chemistry, 1996, 61, 2222-2225.	3.2	68
57	Asymmetric strecker synthesis using enantiopure sulfinimines: A convenient synthesis of Î±-amino acids. Tetrahedron Letters, 1994, 35, 9351-9354.	1.4	66
58	Nonracemic Î±-Fluoro Aldehydes:Â Asymmetric Synthesis of 4-Deoxy-4-fluoro-d-arabinopyranose. Journal of Organic Chemistry, 1997, 62, 7546-7547.	3.2	66
59	Asymmetric Synthesis of Acyclic 1,3-Amino Alcohols by Reduction of N-Sulfinyl Î²-Amino Ketones. Formal Synthesis of (â^')-Pinidinol and (+)- Epipinidinol. Journal of Organic Chemistry, 2008, 73, 9619-9626.	3.2	66
60	Asymmetric synthesis of sulfinimines: Chiral ammonia imine synthons. Tetrahedron Letters, 1993, 34, 6229-6232.	1.4	65
61	Asymmetric synthesis of the methyl and benzyl ethers of erythro-.alpha.,.beta.-diphenyl-.beta.-hydroxyethanol and erythro-.alpha.,.beta.-diphenyl-.beta.-hydroxyethylamine from (+)-(S)-benzoin. Journal of Organic Chemistry, 1989, 54, 2021-2024.	3.2	64
62	N-Sulfinyl Î²-Amino Weinreb Amides:â€‰ Synthesis of Enantiopure Î²-Amino Carbonyl Compounds. Asymmetric Synthesis of (+)-Sedridine and (â^')-Allosedridine. Organic Letters, 2003, 5, 925-927.	4.6	64
63	Stereo- and regioselective formation of silyl enol ethers via oxidation of vinyl anions. Tetrahedron Letters, 1988, 29, 4269-4272.	1.4	63
64	Î´-Amino Î²-Keto Esters, a Designed Polyfunctionalized Chiral Building Block for Alkaloid Synthesis. Asymmetric Synthesis of (R)-(+)-2-Phenylpiperidine and (â^')-SS20846A. Organic Letters, 2000, 2, 1041-1043.	4.6	63
65	Asymmetric Synthesis oftrans-2,5-Disubstituted Pyrrolidines from Enantiopure Homoallylic Amines. Synthesis of Pyrrolidine (â^')-197B. Journal of Organic Chemistry, 2006, 71, 2779-2786.	3.2	63
66	Chemistry of sulfenic acids. 3. Studies of sterically hindered sulfenic acids using flash vacuum pyrolysis. Journal of Organic Chemistry, 1981, 46, 3467-3474.	3.2	62
67	Alkaloid Synthesis Using Chiral Î´-Amino Î²-Ketoesters:â€‰ A Stereoselective Synthesis of (â^')-Lasubine II. Organic Letters, 2000, 2, 2623-2625.	4.6	62
68	Asymmetric Synthesis ofcis-5-tert-Butylproline with Metal Carbenoid NH Insertion. Journal of Organic Chemistry, 2003, 68, 5147-5152.	3.2	62
69	First synthesis of simple optically active selenoxides. Tetrahedron Letters, 1983, 24, 3191-3194.	1.4	61
70	Chemistry of oxaziridines. 4. Asymmetric epoxidation of unfunctionalized alkenes using chiral 2-sulfonyloxaziridines: evidence for a planar transition state geometry. Journal of the American Chemical Society, 1983, 105, 3123-3126.	13.7	61
71	Asymmetric Synthesis of the Protoberberine Alkaloid (S)-(â^')-Xylopinine Using Enantiopure Sulfinimines. Journal of Organic Chemistry, 2002, 67, 1290-1296.	3.2	60
72	Asymmetric Synthesis ofsyn-(2R,3S)-andanti-(2S,3S)-Ethyl Diamino-3-phenylpropanoates fromN-(Benzylidene)-p-toluenesulfinamide and Glycine Enolatesâ€. Organic Letters, 2004, 6, 2789-2792.	4.6	60

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73	Efficient Asymmetric Synthesis of Î²-Fluoro Î±-Amino Acids. Journal of Organic Chemistry, 1999, 64, 6931-6934.	3.2	59
74	Asymmetric Synthesis of Substituted Prolines from Î´-Amino Î²-Ketoesters. Methyl (2S,5R)-(+)-5-Phenylpyrrolidine-2-carboxylate. Organic Letters, 2002, 4, 1599-1602.	4.6	59
75	Asymmetric Synthesis of Functionalizedtrans-2,6-Disubstituted Piperidines withN-Sulfinyl Î´-Amino Î²-Ketoesters. Synthesis of (â^')-Lasubine I. Organic Letters, 2003, 5, 3855-3857.	4.6	59
76	Asymmetric Synthesis of 2H-Azirine 2-Carboxylate Esters. Journal of Organic Chemistry, 1999, 64, 8929-8935.	3.2	58
77	Asymmetric Synthesis of the Carbocyclic Nucleoside Building Block (R)-(+)-4-Aminocyclopentenone Using Î´-Amino Î²-Ketophosphonates and Ring-Closing Metathesis (RCM). Organic Letters, 2004, 6, 1269-1272.	4.6	58
78	Epoxidation of olefins by oxaziridines. Tetrahedron Letters, 1981, 22, 917-920.	1.4	57
79	Improved Asymmetric Synthesis of Aziridine 2-Phosphonates Using (S)-(+)-2,4,6-Trimethylphenylsulfinamide. Journal of Organic Chemistry, 2003, 68, 6894-6898.	3.2	57
80	Synthesis of (2R, 3S)-methyl-2-fluoro-3-(n-benzoylamino)-3-phenylpropanoate: Modified side chain of taxol. Tetrahedron: Asymmetry, 1994, 5, 955-960.	1.8	56
81	Chemistry of oxaziridines. 7. Kinetics and mechanism of the oxidation of sulfoxides and alkenes by 2-sulfonyloxaziridines. Relationship to the oxygen-transfer reactions of metal peroxides. Journal of Organic Chemistry, 1986, 51, 4240-4245.	3.2	55
82	The mechanism of hydroxylation of organometallic reagents by 2-sulfonyloxaziridines. Tetrahedron Letters, 1987, 28, 5115-5118.	1.4	54
83	Concise Asymmetric Synthesis of Î²-Hydroxy Î±-Amino Acids Using the Sulfinimine-Mediated Asymmetric Strecker Synthesis:Â Phenylserine and Î²-Hydroxyleucine. Journal of Organic Chemistry, 2000, 65, 7663-7666.	3.2	53
84	Masked Oxo Sulfinimines (N-Sulfinyl Imines) in the Asymmetric Synthesis of Proline and Pipecolic Acid Derivatives. Organic Letters, 2001, 3, 759-762.	4.6	53
85	Aziridine-mediated asymmetric synthesis of quaternary Î²-amino acids using 2H-azirine 2-carboxylate esters. Tetrahedron, 2002, 58, 7135-7143.	1.9	53
86	Direct Asymmetric Synthesis of Î²-Amino Ketones from Sulfinimines (N-Sulfinylimines). Synthesis of (â^')-Indolizidine 209B. Organic Letters, 2003, 5, 5011-5014.	4.6	53
87	Chemistry of the sulfur-nitrogen bond. VI. Convenient one-step synthesis of sulfenimines (S-aryl) Tj ETQq1 1 0.784314 rgBT /Overlock	3.2	52
88	Sulfinimine-Mediated Asymmetric Synthesis of 1,3-Disubstituted Tetrahydroisoquinolines:â€‰ A Stereoselective Synthesis ofcis- andtrans-6,8-Dimethoxy-1,3-dimethyl- 1,2,3,4-tetrahydroisoquinoline. Organic Letters, 2000, 2, 3901-3903.	4.6	52
89	Approaches toward the total syntheses of astins A, B, and C. Tetrahedron Letters, 1994, 35, 2121-2124.	1.4	51
90	Oxidation of 1,3-dicarbonyl compounds using (camphorylsulfonyl)oxaziridines. Tetrahedron, 1998, 54, 10481-10492.	1.9	51

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91	Asymmetric Synthesis of Ring Functionalizedtrans-2,6-Disubstituted Piperidines fromN-Sulfinyl Î´-Amino Î²-Keto Phosphonates. Total Synthesis of (â€²)-Myrtine. Journal of Organic Chemistry, 2007, 72, 2046-2052.	3.2	51
92	Chemistry of oxaziridines. 16. A short, highly enantioselective synthesis of the AB-ring segments of .gamma.-rhodomycionone and .alpha.-citromycinone using (+)-[(8,8-dimethoxycamphoryl)sulfonyl]oxaziridine. Journal of Organic Chemistry, 1991, 56, 1143-1145.	3.2	50
93	2H-Azirine 3-Phosphonates:â€‰ A New Class of Chiral Iminodienophiles. Asymmetric Synthesis of Quaternary Piperidine Phosphonates. Organic Letters, 2002, 4, 655-658.	4.6	50
94	Chemistry of the sulfur-nitrogen bond. 14. Arenesulfenic acids from N-alkylidenearenesulfinamides (sulfinimines). Journal of the American Chemical Society, 1978, 100, 2844-2852.	13.7	49
95	Chemistry of the sulfur-nitrogen bond. X. Barriers to planar inversion in N-(4,4'-dimethylbenzophenylidene)arenesulfenamides and -selenenamides. Journal of the American Chemical Society, 1976, 98, 302-303.	13.7	48
96	An asymmetric synthesis of (+)-kjellmanianone. Tetrahedron Letters, 1981, 22, 4385-4388.	1.4	48
97	Asymmetric Synthesis of Î²-Amino Carbonyl Compounds withN-Sulfinyl Î²-Amino Weinreb Amides. Journal of Organic Chemistry, 2005, 70, 2184-2190.	3.2	48
98	Asymmetric Synthesis ofsyn-Î±-Substituted Î²-Amino Ketones by Using Sulfinimines and Prochiral Weinreb Amide Enolates. Organic Letters, 2007, 9, 2413-2416.	4.6	47
99	Enantioselective synthesis of (+)-kjellmanianone. Tetrahedron, 1991, 47, 173-182.	1.9	46
100	Asymmetric Synthesis of Cis-5-Substituted Pyrrolidine 2-Phosphonates Using Metal Carbenoid NH Insertion and Î´-Amino Î²-Ketophosphonates. Organic Letters, 2004, 6, 4523-4525.	4.6	46
101	Asymmetric Synthesis ofanti- andsyn-2,3-Diamino Esters Using Sulfinimines. Water and Concentration Effects. Organic Letters, 2007, 9, 833-836.	4.6	46
102	Synthesis of polysubstituted pyrroles from sulfinimines (N-sulfinyl imines). Tetrahedron, 2008, 64, 4174-4182.	1.9	46
103	2-Arylsulphonyl-3-phenyloxaziridines: a new class of stable oxaziridine derivatives. Journal of the Chemical Society Chemical Communications, 1977, , 25.	2.0	45
104	Asymmetric Synthesis of the Four Stereoisomers of 4-Hydroxypipecolic Acid. Synthesis, 2000, 2000, 2106-2112.	2.3	45
105	Asymmetric synthesis of Î±-hydroxy carboxylic acids: direct oxidation of chiral amide enolates using 2-sulfonyloxaziridines. Tetrahedron Letters, 1985, 26, 3539-3542.	1.4	44
106	Sulfinimine-Mediated Asymmetric Synthesis of (R)-(4-Methoxy-3,5-dihydroxyphenyl)glycine:Â The Central Amino Acid of Vancomycin and Related Agents. Journal of Organic Chemistry, 1998, 63, 1981-1985.	3.2	44
107	Asymmetric epoxidation of nonfunctionalized alkenes with high enantioselectivity using chiral sulfamyloxaziridines. Tetrahedron Letters, 1986, 27, 5079-5082.	1.4	43
108	Aziridine 2-carboxylate ester mediated asymmetric synthesis of Î±-alkyl Î²-amino acids. Tetrahedron Letters, 1997, 38, 5139-5142.	1.4	43

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109	Synthesis of secondary and tertiary carbinamines from N-alkylidenearenesulfenamides and alkyl- and aryllithium reagents. Journal of Organic Chemistry, 1977, 42, 398-399.	3.2	42
110	Asymmetric Synthesis of 4-Hydroxy-3-phenyltetrahydroisoquinoline Derivatives Using Enantiopure Sulfinimines (N-Sulfinyl Imines). Journal of Organic Chemistry, 1999, 64, 8627-8634.	3.2	42
111	SYNTHESIS OF Î±-FLUORO ALDEHYDES AND KETONES. A REVIEW. Organic Preparations and Procedures International, 1999, 31, 125-143.	1.3	42
112	Asymmetric Synthesis of Î±-Methylphosphophenylalanine Derivatives Using Sulfinimine-Derived Enantiopure Aziridine-2-phosphonates. Organic Letters, 1999, 1, 1053-1055.	4.6	42
113	Asymmetric Synthesis of (2S,6S)- andmeso-(2S,6R)-Diaminopimelic Acids from Enantiopure Bis(sulfinimines). Journal of Organic Chemistry, 2000, 65, 3248-3251.	3.2	42
114	Asymmetric Synthesis of Î±-Amino 1,3-Dithioketals from Sulfinimines (N-Sulfinyl Imines). Synthesis of (2S,3R)-(â^')-3-Hydroxy-3-methylproline. Organic Letters, 2004, 6, 3393-3395.	4.6	42
115	Asymmetric Synthesis of 2,4,5-Trisubstituted Piperidines from Sulfinimine-Derived Î´-Amino Î²-Ketoesters. Formal Synthesis of Pseudodistomin B Triacetate. Journal of Organic Chemistry, 2005, 70, 5413-5419.	3.2	41
116	Asymmetric Synthesis of cis- and trans-2,5-Disubstituted Pyrrolidines from 3-Oxo Pyrrolidine 2-Phosphonates:â€‰ Synthesis of (+)-Preussin and Analogs. Organic Letters, 2008, 10, 1433-1436.	4.6	41
117	Coupling and hydroxylation of lithium and Grignard reagents by oxaziridines. Journal of the American Chemical Society, 1979, 101, 1044-1045.	13.7	40
118	Chemistry of oxaziridines. 15. Asymmetric oxidations using 3-substituted 1,2-benzisothiazole 1,1-dioxide oxides. Journal of Organic Chemistry, 1991, 56, 809-815.	3.2	40
119	Asymmetric Synthesis of Polyhydroxy Î±-Amino Acids with the Sulfinimine-Mediated Asymmetric Strecker Reaction:Â 2-Amino 2-Deoxyl-Xylono-1,5-lactone (Polyoxamic Acid Lactone). Journal of Organic Chemistry, 2002, 67, 7802-7806.	3.2	40
120	Asymmetric Synthesis of 2H-Azirine 3-Carboxylates. Organic Letters, 2007, 9, 1707-1710.	4.6	40
121	Asymmetric Synthesis of (â^')-Nupharamine and (â^')-(5S,8R,9S)-5-(3-Furyl)-8-methyloctahydroindolizidine from Î²-Amino Ketones and the Intramolecular Mannich Reaction. Journal of Organic Chemistry, 2006, 71, 4222-4226.	3.2	39
122	Asymmetric Total Synthesis of (S)-(+)-Cocaine and the First Synthesis of Cocaine C-1 Analogs from N-Sulfinyl Î²-Amino Ester Ketals. Organic Letters, 2010, 12, 4118-4121.	4.6	39
123	Asymmetric synthesis of 2-deoxy-2-fluoro-Î³-aldonolactones and their conversion to 2-deoxy-2-fluoropentoses. Tetrahedron Letters, 1996, 37, 4345-4348.	1.4	37
124	The mechanism of oxygen transfer from an oxaziridine to a sulfide and a sulfoxide: a theoretical study. Journal of Organic Chemistry, 1990, 55, 3325-3330.	3.2	36
125	Aziridine mediated asymmetric synthesis of Î±-benzylserine and Î±-n-butylserine. Tetrahedron, 2001, 57, 6345-6352.	1.9	36
126	Chemistry of sulfenic acids. 6. Structure of simple sulfenic acids generated by flash vacuum pyrolysis. Journal of Organic Chemistry, 1985, 50, 2593-2595.	3.2	33

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127	Asymmetric Synthesis of Cyclic Î±-Amino Phosphonates Using Masked Oxo Sulfinimines (N-Sulfinyl) Tj ETQq1 1 0.784314 rgBT /Overlock	3.2	33
128	Asymmetric Synthesis of Polyfunctionalized Pyrrolidines from Sulfinimine-Derived Pyrrolidine 2-Phosphonates. Synthesis of Pyrrolidine 225C. Organic Letters, 2006, 8, 2273-2276.	4.6	33
129	Sulfinimine-derived 2,3-diamino esters in the asymmetric synthesis of piperidine (2S,3S)-(+)-CP-99,994. Tetrahedron Letters, 2007, 48, 7838-7840.	1.4	33
130	Application of Oxazolidinone Î±-Fluoro Amide Chiral Building Blocks in the Asymmetric Synthesis of Fluorinated Carbohydrates: 2-Deoxy-2-fluoropentoses. Tetrahedron, 2000, 56, 5303-5310.	1.9	32
131	Asymmetric Synthesis of Substituted Tropinones Using the Intramolecular Mannich Cyclization Reaction and Acyclic N-Sulfinyl Î²-Amino Ketone Ketals. Organic Letters, 2009, 11, 1647-1650.	4.6	32
132	Chemistry of sulfenic acids. 5. A novel rearrangement of 2,4,6-trineopentylbenzenesulfenic acid to 2-tert-butyl-4,6-dineopentylbenzo[b]thiete and 3,3-dimethyl-4,4-dihydro-6,8-dineopentylbenzo[b]thiopyran. Synthesis of thiete sulfoxides. Journal of Organic Chemistry, 1983, 48, 3071-3074.	3.2	31
133	Asymmetric Synthesis of Cyclic cis-Î²-Amino Acid Derivatives Using Sulfinimines and Prochiral Weinreb Amide Enolates. Journal of Organic Chemistry, 2010, 75, 3814-3820.	3.2	31
134	Chemistry of sulfenic acids. 1. Synthesis of trimethylsilyl arenesulfenates (arenesulfenic acids). Journal of Organic Chemistry, 1980, 45, 1650-1653.	3.2	30
135	Asymmetric synthesis of (+)-preussin from N-sulfinyl Î´-amino Î²-ketoesters. Tetrahedron, 2004, 60, 5111-5115.	1.9	30
136	Total Synthesis of (â^')-Normalindine via Addition of Metalated 4-Methyl-3-cyanopyridine to an Enantiopure Sulfinimine. Journal of Organic Chemistry, 2006, 71, 8761-8766.	3.2	30
137	Enantioselective Synthesis of Cocaine C-1 Analogues using Sulfinimines (N-Sulfinyl Imines). Journal of Organic Chemistry, 2012, 77, 2345-2359.	3.2	29
138	A highly enantioselective synthesis of (R)-(-)-2-acetyl-5,8-dimethoxy-1,2,3,4-tetrahydro-2-naphthol. A key intermediate in the synthesis of anthracyclinones. Tetrahedron Letters, 1991, 32, 867-870.	1.4	28
139	Improved Synthesis of (â€“)-Agelastatin A. Synthetic Communications, 2009, 39, 1914-1919.	2.1	28
140	Trimethylsilyl-2-nitrobenzenesulfenate (2-nitrobenzenesulfenic acid). Journal of Organic Chemistry, 1976, 41, 897-898.	3.2	26
141	Synthesis and applications of masked oxo-sulfinamides in asymmetric synthesis. Organic and Biomolecular Chemistry, 2012, 10, 5021.	2.8	26
142	(Camphorylsulfonyl)imine dianion in the synthesis of new optically pure (camphorylsulfonyl)oxaziridine derivatives. Tetrahedron Letters, 1989, 30, 1613-1616.	1.4	25
143	A highly enantioselective synthesis of (R)- and (S)-5,7-odimethyleucomol. Tetrahedron Letters, 1990, 31, 6823-6826.	1.4	25
144	Recent applications of N-sulfonyloxaziridines (Davis oxaziridines) in organic synthesis. Tetrahedron, 2018, 74, 3198-3214.	1.9	25

#	Article	IF	Citations
145	Total synthesis of (5R,6R,8R,9S)-(â^')-5,9Z-indolizidine 221T using sulfinimine-derived N-sulfinyl Î²-amino ketones. Organic and Biomolecular Chemistry, 2009, 7, 5067.	2.8	24
146	Asymmetric Synthesis of Substituted Homotropinones from N-Sulfinyl Î²-Amino Ketone Ketals. (â^')-Euphococcinine and (â^')-Adaline. Organic Letters, 2010, 12, 848-851.	4.6	24
147	Asymmetric synthesis of alkaloids using polyfunctionalized chiral building blocks. Heteroatom Chemistry, 2002, 13, 486-492.	0.7	22
148	Vinylaluminum Addition to Sulfinimines (N-Sulfinyl Imines). Asymmetric Synthesis of anti-Î±-Alkyl Î²-Amino Esters. Journal of Organic Chemistry, 2009, 74, 2798-2803.	3.2	22
149	Total syntheses of (+)-monomorine I and (â^')-indolizidine 195B from sulfinimine-derived 3-oxo pyrrolidine 2-phosphonates. Tetrahedron Letters, 2011, 52, 2054-2057.	1.4	22
150	Asymmetric synthesis of heterocycles using sulfinimines (N-sulfinyl imines). Arkivoc, 2006, 2006, 120-128.	0.5	22
151	Synthesis of sulfenic acids: Flash vacuum pyrolysis of aryl and alkyl t-butyl sulfoxides. Tetrahedron Letters, 1978, 19, 97-100.	1.4	21
152	Synthesis and Reactions ofexo-Camphorylsulfonyloxaziridine. Journal of Organic Chemistry, 1997, 62, 3625-3630.	3.2	20
153	Sulfinimine-Mediated Asymmetric Synthesis of Î²-Hydroxy Î±-Amino Phosphonates. Journal of Organic Chemistry, 2003, 68, 7249-7253.	3.2	20
154	A new synthesis of Î±-functionalized unsubstituted sulfonamides. Tetrahedron Letters, 1990, 31, 1653-1656.	1.4	19
155	Asymmetric synthesis of (2S,3R)-(â^')-epi-CP-99,994 using sulfinimine-derived anti-2,3-diamino esters. Tetrahedron Letters, 2009, 50, 5205-5207.	1.4	19
156	Influence of enolate geometry and structure on the stereochemistry of the asymmetric oxidation of prochiral ketone enolates to optically active Î±-hydroxy ketones. Tetrahedron Letters, 1989, 30, 779-782.	1.4	18
157	Sulfinimine mediated asymmetric synthesis of 3-substituted-1(2H)-isoquinolones: (3R,4S)-(â^')-4-hydroxy-3-phenyltetrahydroisoquinoline. Tetrahedron Letters, 1998, 39, 3099-3102.	1.4	18
158	Asymmetric Syntheses with Aziridinecarboxylate and Aziridinephosphonate Building Blocks. , 2006, , 73-115.		18
159	Î±-Amino 1,3-dithioketal mediated asymmetric synthesis of piperidines (L-733,060) and tetrahydrofuran glycines. Tetrahedron Letters, 2008, 49, 870-872.	1.4	18
160	Asymmetric Synthesis ofanti-Î±-Substituted Î²-Amino Ketones from Sulfinimines. Journal of Organic Chemistry, 2011, 76, 3329-3337.	3.2	17
161	Inactivation of Monomeric Sarcosine Oxidase by Reaction withN-(Cyclopropyl)glycineâ€. Biochemistry, 2000, 39, 14341-14347.	2.5	16
162	Novel C-1 Substituted Cocaine Analogs Unlike Cocaine or Benztropine. Journal of Pharmacology and Experimental Therapeutics, 2012, 343, 413-425.	2.5	16

#	Article	IF	Citations
163	Chemistry of the sulfur-nitrogen bond. V. Evidence for an intermolecular rearrangement in the rearrangement of arenesulfenanilides to o- and p-aminodiphenyl sulfides. Journal of Organic Chemistry, 1973, 38, 695-699.	3.2	15
164	Synthesis and Utilization of Compounds with Chiral Nitrogen Centers. , 1984, , 313-353.		15
165	Asymmetric Synthesis using Sulfinimines (Thiooxime S-Oxides). Phosphorus, Sulfur and Silicon and the Related Elements, 1997, 120, 291-303.	1.6	14
166	Asymmetric synthesis of the ab-ring of aklavinone. Tetrahedron Letters, 1991, 32, 7671-7674.	1.4	13
167	Asymmetric Synthesis Using Sulfinimines (N-Sulfinyl Imines). Phosphorus, Sulfur and Silicon and the Related Elements, 2005, 180, 1109-1117.	1.6	11
168	IMPROVED SYNTHESIS OFO-BENZENEDISULFONIMIDE. Organic Preparations and Procedures International, 1998, 30, 107-109.	1.3	10
169	Chemistry of the sulfur-nitrogen bond. 13. A new synthesis of N-alkylidenearenesulfenamides (sulfenimines): alkylation of sulfenamide enolate equivalents. Journal of Organic Chemistry, 1978, 43, 1797-1800.	3.2	9
170	Oxaziridines and Oxazirines. , 1996, , 365-413.		9
171	Syntheses and reactions of sulfinimines. Advances in Sulfur Chemistry, 2000, , 249-282.	0.0	9
172	Effect of aggregation on stereochemistry and mechanism of asymmetric oxidation of the lithium enolate of methyl 3,3-dimethylbutanoate in the solid state and in solution. Tetrahedron Letters, 1993, 34, 3715-3718.	1.4	7
173	ASYMMETRIC SYNTHESIS OF SULTAMS AND SULFONAMIDES VIA DIASTEREOSELECTIVE REDUCTION OF N-SULFONYLIMINES. Phosphorus, Sulfur and Silicon and the Related Elements, 1996, 115, 85-91.	1.6	7
174	Chemistry of the sulfur-nitrogen bond. II. Mechanistic study of the rearrangement of 2-nitrobenzenesulfenanilides to 2-aminobenzenesulfonanilides. Journal of Organic Chemistry, 1972, 37, 854-859.	3.2	6
175	A facile synthesis of polyamides from aromatic diisocyanates and dicarboxylic acid catalyzed by Lewis acids. Macromolecular Rapid Communications, 1996, 17, 897-903.	3.9	6
176	(+)-trans-camphenesulfonamide: A novel enantiomerically pure primary sulfonamide. Tetrahedron Letters, 1996, 37, 3267-3270.	1.4	6
177	Heterocyclic synthesis using the intramolecular Mannich cyclization reaction and enantiopureN-sulfinyl Î²-amino carbonyl compounds. Phosphorus, Sulfur and Silicon and the Related Elements, 2016, 191, 297-304.	1.6	5
178	Photodesulfinylation of optically active N-sulfinyl amines. Tetrahedron Letters, 2010, 51, 4042-4044.	1.4	3
179	Formal Synthesis of (-)-Clavepictine A and (+)-Clavepictine B from a Sulfinimine (N-Sulfinylimine)-Derived Chiral Building Block. Heterocycles, 2012, 84, 1227.	0.7	2