

# Li Deng

## List of Publications by Citations

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62

papers

8,031

citations

41

h-index

73

g-index

73

ext. papers

8,483

ext. citations

13.2

avg, IF

5.97

L-index

#	Paper	IF	Citations
62	Highly enantioselective epoxidation catalysts derived from 1,2-diaminocyclohexane. <i>Journal of the American Chemical Society</i> , <b>1991</b> , 113, 7063-7064	16.4	844
61	Asymmetric organic catalysis with modified cinchona alkaloids. <i>Accounts of Chemical Research</i> , <b>2004</b> , 37, 621-31	24.3	540
60	Highly enantioselective conjugate addition of malonate and beta-ketoester to nitroalkenes: asymmetric C-C bond formation with new bifunctional organic catalysts based on cinchona alkaloids. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 9906-7	16.4	492
59	Stereocontrolled creation of adjacent quaternary and tertiary stereocenters by a catalytic conjugate addition. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 44, 105-8	16.4	368
58	Enantioselective nitroaldol reaction of alpha-ketoesters catalyzed by cinchona alkaloids. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 732-3	16.4	313
57	The Mannich reaction of malonates with simple imines catalyzed by bifunctional cinchona alkaloids: enantioselective synthesis of beta-amino acids. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 6048-9	16.4	306
56	Control of diastereoselectivity in tandem asymmetric reactions generating nonadjacent stereocenters with bifunctional catalysis by cinchona alkaloids. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 768-9	16.4	301
55	Asymmetric Friedel-Crafts reaction of indoles with imines by an organic catalyst. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 8156-7	16.4	283
54	Dual-function cinchona alkaloid catalysis: catalytic asymmetric tandem conjugate addition-protonation for the direct creation of nonadjacent stereocenters. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 3928-30	16.4	264
53	A highly enantioselective chiral Lewis base-catalyzed asymmetric cyanation of ketones. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 6195-6	16.4	224
52	Catalytic enantioselective C-C bond forming conjugate additions with vinyl sulfones. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 8948-9	16.4	216
51	Catalytic enantioselective peroxidation of alpha,beta-unsaturated ketones. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 8134-5	16.4	212
50	Asymmetric Diels-Alder reactions of 2-pyrones with a bifunctional organic catalyst. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 6364-5	16.4	194
49	Catalytic asymmetric cyanosilylation of ketones with chiral Lewis base. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 9900-1	16.4	194
48	Asymmetric alcoholysis of cyclic anhydrides. <i>Chemical Reviews</i> , <b>2003</b> , 103, 2965-84	68.1	193
47	Construction of quaternary stereocenters by efficient and practical conjugate additions to alpha,beta-unsaturated ketones with a chiral organic catalyst. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 947-50	16.4	185
46	Catalytic asymmetric umpolung reactions of imines. <i>Nature</i> , <b>2015</b> , 523, 445-50	50.4	180

45	Highly enantioselective amination of alpha-substituted alpha-cyanoacetates with chiral catalysts accessible from both quinine and quinidine. <i>Organic Letters</i> , <b>2005</b> , 7, 167-9	6.2	177
44	Enantioselective Diels-Alder reaction of simple alpha,beta-unsaturated ketones with a cinchona alkaloid catalyst. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 2422-3	16.4	175
43	Catalytic asymmetric conjugate addition of simple alkyl thiols to alpha,beta-unsaturated N-acylated oxazolidin-2-ones with bifunctional catalysts. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 418-9	16.4	168
42	A Highly Enantioselective Catalytic Desymmetrization of Cyclic Anhydrides with Modified Cinchona Alkaloids. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 9542-9543	16.4	167
41	Asymmetric synthesis of chiral aldehydes by conjugate additions with bifunctional organocatalysis by cinchona alkaloids. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 4301-5	16.4	162
40	A highly enantioselective and general conjugate addition of thiols to cyclic enones with an organic catalyst. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 338-40	16.4	158
39	Stereocontrolled Creation of Adjacent Quaternary and Tertiary Stereocenters by a Catalytic Conjugate Addition. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 107-110	3.6	131
38	Dynamic kinetic resolution via dual-function catalysis of modified cinchona alkaloids: asymmetric synthesis of alpha-hydroxy carboxylic acids. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 2870-1	16.4	130
37	Asymmetric synthesis of trifluoromethylated amines via catalytic enantioselective isomerization of imines. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 14334-7	16.4	109
36	Asymmetric aza-Michael reactions of alpha,beta-unsaturated ketones with bifunctional organic catalysts. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 7710-3	16.4	104
35	Structural study-guided development of versatile phase-transfer catalysts for asymmetric conjugate additions of cyanide. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 10565-9	16.4	85
34	Parallel kinetic resolutions of monosubstituted succinic anhydrides catalyzed by a modified cinchona alkaloid. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 11302-3	16.4	83
33	Development of a rapid, room-temperature dynamic kinetic resolution for efficient asymmetric synthesis of alpha-aryl amino acids. <i>Organic Letters</i> , <b>2002</b> , 4, 3321-4	6.2	69
32	Highly Enantioselective Asymmetric Darzens Reactions with a Phase Transfer Catalyst. <i>Chemical Science</i> , <b>2011</b> , 2, 1301-1304	9.4	68
31	Asymmetric synthesis of alpha-amino acids via cinchona alkaloid-catalyzed kinetic resolution of urethane-protected alpha-amino acid N-carboxyanhydrides. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 12696-7	16.4	62
30	Catalytic Asymmetric Synthesis of Chiral $\beta$ -Amino Ketones via Umpolung Reactions of Imines. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 15817-15820	16.4	59
29	Catalytic enantioselective conjugate additions with $\beta$ -unsaturated sulfones. <i>Tetrahedron</i> , <b>2009</b> , 65, 3139-3148	2.4	58
28	Construction of Quaternary Stereocenters by Efficient and Practical Conjugate Additions to $\beta$ -Unsaturated Ketones with a Chiral Organic Catalyst. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 961-964	3.6	56

27	Catalytic Asymmetric Synthesis of Trifluoromethylated $\beta$ -Amino Acids through the Umpolung Addition of Trifluoromethyl Imines to Carboxylic Acid Derivatives. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 2233-2237	16.4	54
26	Cinchonium Betaines as Efficient Catalysts for Asymmetric Proton Transfer Catalysis: The Development of a Practical Enantioselective Isomerization of Trifluoromethyl Imines. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 12297-302	16.4	51
25	Asymmetric Synthesis of Chiral Aldehydes by Conjugate Additions with Bifunctional Organocatalysis by Cinchona Alkaloids. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 4407-4411	3.6	45
24	Enantioselective cyanocarboxylation of ketones with chiral base. <i>Tetrahedron</i> , <b>2006</b> , 62, 11320-11330	2.4	42
23	A Formal Catalytic Asymmetric Synthesis of (+)-Biotin with Modified Cinchona Alkaloids. <i>Synthesis</i> , <b>2001</b> , 2001, 1737-1741	2.9	42
22	Elucidation of the active conformation of cinchona alkaloid catalyst and chemical mechanism of alcoholysis of meso anhydrides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 20625-9	11.5	41
21	A Highly Enantioselective and General Conjugate Addition of Thiols to Cyclic Enones with an Organic Catalyst. <i>Angewandte Chemie</i> , <b>2002</b> , 114, 348-350	3.6	41
20	Catalytic Asymmetric [4 + 2] Additions with Aliphatic Nitroalkenes. <i>Chemical Science</i> , <b>2011</b> , 2, 1940-1944	9.4	40
19	Control of chemoselectivity in asymmetric tandem reactions: Direct synthesis of chiral amines bearing nonadjacent stereocenters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 1730-1735	11.5	37
18	Catalytic Enantioselective Peroxidation of $\alpha,\beta$ -Unsaturated Aldehydes for the Asymmetric Synthesis of Biologically Important Chiral Endoperoxides. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 8400-3	16.4	35
17	Asymmetric Aza-Michael Reactions of $\alpha,\beta$ -Unsaturated Ketones with Bifunctional Organic Catalysts. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 7824-7827	3.6	35
16	Origin of and a Solution for Uneven Efficiency by Cinchona Alkaloid-Derived, Pseudoenantiomeric Catalysts for Asymmetric Reactions. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 13913-13920	16.4	35
15	Catalytic enantioselective total syntheses of bisorbicillinolide, bisorbicillinol, and bisorbibutenolide. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 3478-81	16.4	32
14	Catalytic Asymmetric Direct Aldol Reaction of $\beta$ -Alkyl Azlactones and Aliphatic Aldehydes. <i>Chemical Science</i> , <b>2015</b> , 6, 6510-6514	9.4	29
13	Cinchona alkaloid catalyzed enantioselective amination of $\alpha,\beta$ -unsaturated ketones: an asymmetric approach to $\beta$ -pyrazolines. <i>Advanced Synthesis and Catalysis</i> , <b>2011</b> , 353, 3123-3128	5.6	23
12	Structural Study-Guided Development of Versatile Phase-Transfer Catalysts for Asymmetric Conjugate Additions of Cyanide. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 10753-10757	3.6	23
11	Cinchona Alkaloids <b>2011</b> , 361-408		17
10	Asymmetric synthesis of beta,gamma-unsaturated alpha-amino acids via efficient kinetic resolution with cinchona alkaloids. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2009</b> , 19, 3856-8	2.9	17

9	Direct Catalytic Asymmetric Synthesis of Trifluoromethylated $\beta$ -Amino Esters/Lactones via Umpolung Strategy. <i>Journal of Organic Chemistry</i> , <b>2019</b> , 84, 994-1005	4.2	17
8	Catalytic Enantioselective Electrophilic Aminations of Acyclic $\beta$ -Alkyl $\beta$ -Carbonyl Nucleophiles. <i>Synlett</i> , <b>2009</b> , 10, 1685-1689	2.2	13
7	Catalytic Enantioselective Total Syntheses of Bisorbicillinolide, Bisorbicillinol, and Bisorbibutenolide. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 3544-3547	3.6	13
6	Catalytic Asymmetric Synthesis of Trifluoromethylated $\beta$ -Amino Acids through the Umpolung Addition of Trifluoromethyl Imines to Carboxylic Acid Derivatives. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 2255-2259	3.6	9
5	Hydrogen Bonding-Mediated Cooperative Organocatalysis by Modified Cinchona Alkaloids <b>2015</b> , 145-170		5
4	Asymmetric Organocatalysis 37-117		4
3	A Highly Enantioselective and General Conjugate Addition of Thiols to Cyclic Enones with an Organic Catalyst <b>2002</b> , 41, 338		1
2	Construction of Quaternary Stereocenters by Efficient and Practical Conjugate Additions to $\beta$ -Unsaturated Ketones with a Chiral Organic Catalyst. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 1498-1498	16.4	
1	Construction of Quaternary Stereocenters by Efficient and Practical Conjugate Additions to $\beta$ -Unsaturated Ketones with a Chiral Organic Catalyst. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 1527-1527	3.6	