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Education

2004-2008 Ph.D. in Organic Chemistry, the University of Chicago
(Advisor: Prof. Sergey A. Kozmin)
2001-2004 M.S. in Organic Chemistry, Nanjing University
(Advisor: Prof. Yuefei Hu)
1997-2001 B.S. in Chemistry, Nanjing University

Professional Experience

- 2019/7- Professor, Department of Chemistry
The Hong Kong University of Science and Technology
- 2015/7-2019/6 Associate Professor, Department of Chemistry
The Hong Kong University of Science and Technology
- 2010/8-2015/6 Assistant Professor, Department of Chemistry
The Hong Kong University of Science and Technology
- 2008/10-2010/7 Postdoctoral Fellow, Department of Chemistry
Massachusetts Institute of Technology (Advisor: Prof. Gregory Fu)

Honors

2020 UROP Faculty Research Award, HKUST
2019 Elected Member, The Hong Kong Young Academy of Sciences (YASHK)
2019 ACP Lectureship Award (by Taiwan)
2018 NHU-CJC Innovation Award, *Chinese Journal of Chemistry*
2017 Asian Core Program Lectureship Award (by Japan)
2015 Asian Core Program Lectureship Award (by Korea)
2015 Best Poster Award, Tetrahedron Symposium, Berlin
2014 Thieme Chemistry Journal Award
2013 School of Science Research Award, HKUST
2013 Asian Core Program Lectureship Award (by Singapore)
2012 Early Career Award, Research Grants Council, Hong Kong
2011 Asian Core Program Lectureship Award (by Japan)
2008 Elizabeth R. Norton Prize for Excellence in Research in Chemistry,
University of Chicago
2006-2007 Abbott Fellowship in Synthetic Organic Chemistry, Abbott Laboratories
1998-1999 Outstanding Student Award, Nanjing University
1997-2000 People Fellowship, Nanjing University (4 times)

Publications

94. Chiral Phosphoric Acid Catalyzed Enantioselective Synthesis of α -Tertiary Amino Ketones from Sulfonium Ylides
Guo, W.; Luo, Y.; Li, P.; Sun, J.*
J. Am. Chem. Soc. **2020**, *141*, ASAP.
93. Ru-Catalyzed Geminal Hydroboration of Silyl Alkynes via a New *gem*-Addition Mechanism
Feng, Q.; Wu, H.-N.; Li, X.; Song, L.; Chung, L. W.;* Wu, Y.-D.;* Sun, J.*
J. Am. Chem. Soc. **2020**, ASAP.
92. Organocatalytic Enantioselective Synthesis of Chiral Allenes: Remote Asymmetric 1,8-Addition of Indole Imine Methides
Li, X.; Sun, J.*
Angew. Chem., Int. Ed. **2020**, *59*, Early View
91. Benzannulation of Isobenzopyryliums with Electron-Rich Alkynes: A Modular Access to β -Functionalized Naphthalenes
Wu, A.; Qian, H.; Zhao, W.; Sun, J.*
Chem. Sci. **2020**, *Advance Article*.
90. A Study of the Reactivity of (Aza-)Quinone Methides in Selective C6-Alkylations of Indoles
Yan, J.; Zhang, Z.; Chen, M.; Lin, Z.;* Sun, J.*
ChemCatChem **2020**, Accepted. (Invited contribution to a Special Collection on "Phosphorus in Catalysis")
89. Unusual Skeletal Reorganization of Oxetanes for the Synthesis of 1,2-Dihydroquinolines
Wang, G.; Huang, H.; Guo, W.; Qian, C.; Sun, J.*
Angew. Chem., Int. Ed. **2020**, *59*, 11245-11249.
88. Synthesis of medium-sized lactones from siloxy alkynes via ring expansion
Wu, A.; Zhao, W.; Sun, J.*
Tetrahedron Lett. **2020**, In press. (Invited contribution, doi: 10.1016/j.tet.2020.131163)
87. HNTf₂-Catalyzed Synthesis of Hydrodibenzofurans by an Epoxidation/Semipinacol Rearrangement Cascade
Wong, T. H. M.; Li, X.; Ma, D.; Sun, J.*
Org. Lett. **2020**, *22*, 1951-1954.
86. Catalytic Enantioselective Synthesis of 1,4-Benzodioxepines
Zhou, X.; Sun, G.; Huang, H.; Wang, J.*; Yang, W.*; Sun, J.*
Org. Lett. **2020**, *22*, 249-252.

85. Ru-Catalyzed Migratory Geminal Semihydrogenation of Internal Alkynes to Terminal Olefins
Song, L.¹; Feng, Q.¹; Wang, Y.; Ding, S.; Wu, Y.-D.; Zhang, X.; Chuang, L. W.;* Sun, J.* (1: equal contribution)
J. Am. Chem. Soc. **2019**, *141*, 17441-17451.
84. Asymmetric Desymmetrization of Oxetanes for the Synthesis of Chiral Tetrahydrothiophenes and Tetrahydroselenophenes
Zhang, R.; Guo, W.; Duan, M.; Houk, K. N.;* Sun, J.*
Angew. Chem., Int. Ed. **2019**, *58*, 18055-18060.
83. Organocatalytic Enantioconvergent Synthesis of Tetrasubstituted Allenes via Asymmetric 1,8-Addition to *aza-para*-Quinone Methides
Chen, M.; Qian, D.; Sun, J.*
Org. Lett. **2019**, *21*, 8127-8131.
82. Catalytic Enantioselective House-Meinwald Rearrangement: Efficient Construction of All-Carbon Quaternary Stereocenters
Ma, D.; Miao, C.-B.; Sun, J.*
J. Am. Chem. Soc. **2019**, *141*, 13783-13787.
81. Organocatalytic Enantioselective Functionalization of Unactivated Indole C(sp³)-H Bonds
Ma, D.; Zhang, Z.; Chen, M.; Lin, Z.;* Sun, J.*
Angew. Chem., Int. Ed. **2019**, *58*, 15916-15921.
80. A Mild Catalytic Synthesis of 2-Oxazolines via Oxetane Ring-Opening: Rapid Access to A Diverse Family of Natural Products
Huang, H.; Yang, W.; Chen, Z.; Lai, Z.; Sun, J.*
Chem. Sci. **2019**, *10*, 9586-9590.
79. Electrochemical Synthesis of β -Hydroxy-, β -Alkoxy-, and β -Carbonyloxy Sulfones by Vicinal Difunctionalization of Olefins
Zhang, Z.; Yan, J.; Ma, D.; Sun, J.*
Chin. Chem. Lett. **2019**, *30*, 1509-1511. (Invited contribution)
78. Synthesis of Eight-Membered Lactams via Formal [6+2] Cyclization of Siloxy Alkynes and Vinylazetidines
Wu, A.; Feng, Q.; Sung, H. H. Y.; Williams, I. D.;* Sun, J.*
Angew. Chem., Int. Ed. **2019**, *58*, 6776-6780.
77. A [3+2] Cyclization of Siloxyalkynes and Isocyanides for the Synthesis of Oxazoles
Wu, A.; Sun, J.*
Synlett **2019**, *30*, 515-518. (Invited contribution to Pearl Anniversary Issue)

76. Recent Progress in Asymmetric Ion-Pairing Catalysis on Ammoniums
Qian, D.;* Sun, J.*
Chem. Eur. J. **2018**, *25*, 3740-3751. (invited submission)
75. Triflimide (HNTf₂) in Organic Synthesis
Zhao, W.; Sun, J.*
Chem. Rev. **2018**, *118*, 10349-10392.
74. NHC-Catalyzed Electrophilic Trifluoromethylation: Efficient Synthesis of γ -Trifluoromethyl α,β -Unsaturated Esters
Yang, W.;¹ Ma, D.;¹ Zhou, Y.; Dong, X.; Lin, Z.;* Sun, J.*
Angew. Chem., Int. Ed. **2018**, *57*, 12097-12101. (1: equal contribution)
73. Stereoselective Synthesis of Fully-Substituted Acrylonitriles via Formal Acylcyanation of Electron-Rich Alkynes
Liu, B.;¹ Wang, Y.;¹ Chen, Y.; Wu, Q.; Zhao J.;* Sun, J.* (1: equal contribution)
Org. Lett. **2018**, *20*, 3465-3468.
72. An Organocatalytic Asymmetric Synthesis of Chiral β,β -Diaryl- α -amino Acids via Addition of Azlactones to In-Situ Generated para-Quinone Methides
Yan, J.;¹ Chen, M.;¹ Sung, H. H.-Y.; Williams, I. D; Sun, J.* (1: equal contribution)
Chem. Asian J. **2018**, *13*, 2440-2444. (Invited submission)
71. Organocatalytic Enantioselective Synthesis of Chiral Diarylmethylamines from Racemic Alcohols
Chen, M.; Han, Y.; Ma, D.; Wang, Y.; Lai, Z.; Sun, J.*
Chin. J. Chem. **2018**, *36*, 519-525. (Invited submission)
70. Counterion-Induced Asymmetric Control on Azetidiniums: A Facile Access to Chiral Amines
Qian, D.; Chen, M.; Bissember, A. C.; Sun, J.*
Angew. Chem., Int. Ed. **2018**, *57*, 3763-3766.
69. Organocatalytic Synthesis of Chiral Tetrasubstituted Allenes from Racemic Propargylic Alcohols
Qian, D.; Sun, J.*
Nat. Commun. **2017**, *8*, 567.
68. How Understanding the Role of an Additive Can Lead to an Improved Synthetic Protocol without an Additive: Organocatalytic Synthesis of Chiral Diarylmethyl Alkynes
Chen, M.; Sun, J.*
Angew. Chem., Int. Ed. **2017**, *56*, 11966-11970

67. Catalytic Asymmetric N-Alkylation of Indoles and Carbazoles via 1,6-Conjugate Addition of Aza-*para*-Quinone Methides
Chen, M.; Sun, J.*
Angew. Chem., Int. Ed. **2017**, *56*, 4583-4587.
66. Enantioselective [4 + 2] Cycloaddition of o-Quinone Methides and Vinyl Sulfides: Indirect Access to Generally Substituted Chiral Chromanes
Wang, Z.; Sun, J.*
Org. Lett. **2017**, *19*, 2334-2337.
65. N-Heterocyclic Carbene Catalyzed γ -Dihalomethylenation of Enals via Single Electron Transfer
Yang, W.; Hu, W.; Dong, X.; Li, X.; Sun, J.*
Angew. Chem., Int. Ed. **2016**, *55*, 15783-15786.
64. Catalytic Enantioselective Aza-Piancatelli Rearrangement
Li, H.; Tong, R.; Sun, J.*
Angew. Chem., Int. Ed. **2016**, *55*, 15125-15128.
63. Metal-Free [2+2+2] Cycloaddition of Ynamides and Nitriles: Mild and Regioselective Synthesis of Fully Substituted Pyridines
Wang, Y.; Song, L.-J.; Zhang, X.;* Sun, J.*
Angew. Chem., Int. Ed. **2016**, *55*, 9704-9708.
62. Ir-Catalyzed Regio- and Stereoselective Hydrosilylation of Internal Thioalkynes: A Combined Experimental and Computational Study
Song, L.-J.; Ding, S.; Wang, Y.; Zhang, X.;* Wu, Y.-D.;* Sun, J.*
J. Org. Chem. **2016**, *81*, 6157-6164.
61. Enantioselective Chloride Opening of Oxetanes: Unusual Use of Wet Molecular Sieves for Controlled Release of HCl
Yang, W.; Wang, Z.; Sun, J.*
Angew. Chem., Int. Ed. **2016**, *55*, 6954-6958.
60. Organocatalytic Enantioselective Desymmetrization of meso-Aziridines and Prochiral Azetidines
Wang, Z.; Hong, W.-X.; Sun, J.*
Curr. Org. Chem. **2016**, *20*, 1851-1861 (Invited review)
59. Chiral Phosphoric Acid Catalyzed Asymmetric Addition of Naphthols to *para*-Quinone Methides
Wong, Y. F.; Wang, Z.; Sun, J.*
Org. Biomol. Chem. **2016**, *14*, 5751-5754.
58. A One-Pot Oxidation/Cycloaddition Cascade Synthesis of 2,4-Diaryl Chromans via *ortho*-Quinone Methides

- Wong, Y. F.; Wang, Z.; Hong, W.-X.; Sun, J.*
Tetrahedron **2016**, *72*, 2748-2751. (Invited contribution to the issue on Catalytic C–C Bond Formation by C–H Functionalization and C–C Bond Cleavage)
57. Organocatalytic Enantioselective Synthesis of 1,4-Dioxanes and Other Oxa-Heterocycles by Oxetane Desymmetrization
Yang, W.; Sun, J.*
Angew. Chem., Int. Ed. **2016**, *55*, 1868–1871.
56. Enantioselective Addition of Thiols to *ortho*-Quinone Methides Catalyzed by Chiral Phosphoric Acids
Lai, Z.; Sun, J.*
Synlett **2016**, *27*, 555–558. (Invited contribution to the Chiral Phosphoric Acid cluster)
55. Organocatalytic Asymmetric Nucleophilic Addition to *ortho*-Quinone Methides by Alcohols
Lai, Z.; Wang, Z.; Sun, J.*
Org. Lett. **2015**, *17*, 6058–6061.
54. Recent Advances in Catalytic Asymmetric Reactions of *ortho*-Quinone Methides
Wang, Z.; Sun, J.*
Synthesis **2015**, *47*, 3629–3644. (Invited review)
53. Catalytic Asymmetric 1,6-Conjugate Addition of *para*-Quinone Methides: Formation of All-Carbon Quaternary Stereocenters
Wang, Z.; Wong, Y. F.; Sun, J.*
Angew. Chem., Int. Ed. **2015**, *54*, 13711–13704.
52. Triflimide (*review update*)
Sun, J.*
e-Encyclopedia of Reagents for Organic Synthesis, **2015**
51. Catalytic Ring Expansion of Cyclic Hemiaminals for the Synthesis of Medium Ring Lactams
Zhao, W. ¹; Qian, H. ¹; Li, Z.*; Sun, J.* (1: equal contribution)
Angew. Chem., Int. Ed. **2015**, *54*, 10005–10008.
50. Catalytic Enantioselective Intermolecular Desymmetrization of Azetidines
Wang, Z.; Sheong, F. K.; Sung, H. H. Y.; Williams, I. D.; Lin, Z.*; Sun, J.*
J. Am. Chem. Soc. **2015**, *137*, 5895–5898.
49. Highly Regio- and Stereoselective Hydrosilylation of Internal Thioalkynes under Mild Conditions
Ding, S.; Song, L.-J.; Wang, Y.; Zhang, X.*; Chung, L. W.*; Wu, Y.-D.*; Sun, J.*
Angew. Chem., Int. Ed. **2015**, *54*, 5623–5635.

48. Organocatalytic Enantio- and Diastereoselective Synthesis of 1,2-Dihydronaphthalenes from Isobenzopyrylium Ions
Qian, H.; Zhao, W.; Wang, Z.; Sun, J.*
J. Am. Chem. Soc. **2015**, *137*, 560–563.
47. Organocatalytic Asymmetric Synthesis of 1,1-Diarylethanes by Transfer Hydrogenation
Wang, Z.; Ai, F.; Wang, Z.; Zhao, W.; Zhu, G.*; Lin, Z.*; Sun, J.*
J. Am. Chem. Soc. **2015**, *137*, 383–389.
46. Enantioselective Formation of All-Carbon Quaternary Stereocenters from Indoles and Tertiary Alcohols Bearing A Directing Group
Zhao, W.; Wang, Z.; Chu, B.; Sun, J.*
Angew. Chem., Int. Ed. **2015**, *54*, 1910–1913.
45. N-Heterocyclic Carbene Catalyzed Enantioselective α -Fluorination of Aliphatic Aldehydes and α -Chloro Aldehydes: Synthesis of α -Fluoro Esters, Amides, and Thioesters
Dong, X.; Yang, W.; Hu, W.; Sun, J.*
Angew. Chem., Int. Ed. **2015**, *54*, 660–663.
44. Dithieno[3,2-b:2',3'-d]pyran-Containing Organic D- π -A Sensitizers for Dye-Sensitized Solar Cells
Chu, B.; Wang, H.; Xerri, B.; Lee, K-H.; Yang, T.; Wang, Z.; Lin, Z.; Liang, Y.*; Adamo, C.*; Yang, S.*; Sun, J.*
RSC Adv. **2014**, *4*, 62472–62475.
43. Theoretical Studies on the Regioselectivity of Iridium-Catalyzed 1,3-Dipolar Azide-Alkyne Cycloaddition Reactions
Luo, Q.; Jia, G.*; Sun, J.*; Lin, Z.*
J. Org. Chem. **2014**, *79*, 11970–11980.
42. Siloxy Alkynes in Annulation Reactions
Qian, H.; Zhao, W.; Sun, J.*
Chem. Rec. **2014**, *14*, 1070–1085. (Invited Account)
41. Catalytic Asymmetric Nucleophilic Openings of 3-Substituted Oxetanes
Wang, Z.; Chen, Z.; Sun, J.*
Org. Biomol. Chem. **2014**, *12*, 6028–6032. (Invited Perspective)
40. Catalytic Asymmetric α -Aldol Reaction of Vinylogous N-Heterocyclic Carbene Enolates: Formation of Quaternary and Labile Tertiary Stereocenters
Dong, X.; Sun, J.*
Org. Lett. **2014**, *16*, 2450–2453.

39. Organocatalytic Enantio- and Diastereoselective Assembly of Thiazolidine Scaffolds by Formal [3+2] Annulation
Qian, H.; Sun, J.*
Asian J. Org. Chem. **2014**, *3*, 387–390. (Invited contribution)
38. Ir-Catalyzed Intermolecular Azide-Alkyne Cycloaddition (IrAAC) of Internal Thioalkynes under Mild Conditions
Ding, S.; Jia, G.*; Sun, J.*
Angew. Chem., Int. Ed. **2014**, *53*, 1877–1880.
37. New Strategies for Medium and Large Ring Lactone Synthesis
Zhao, W.; Sun, J.*
Synlett. **2014**, *25*, 303–307. (Invited SYNFACTS highlight)
36. Multi-Targeted Organometallic Ruthenium(II)-Arene Anticancer Complexes Bearing Inhibitors of Poly(ADP-Ribose) Polymerase-1: A Strategy to Improve Cytotoxicity
Wang, Z.; Qian, H.; Yiu, S.-M.; Sun, J.; Zhu, G.*
J. Inorg. Biochem. **2014**, *131*, 47–55.
35. Platinated Benzonaphthyridone is a Stronger Inhibitor of Poly(ADP-Ribose) Polymerase-1 and a More Potent Anticancer Agent than is the Parent Inhibitor
Wang, B.; Qian, H.; Yiu, S.-M.; Sun, J.; Zhu, G.*
Eur. J. Med. Chem. **2014**, *71*, 366–373.
34. Organocatalytic Enantioselective Synthesis of 2,3-Allenates by Intermolecular Addition of Nitroalkanes to Activated Enynes
Qian, H.; Yu, X.; Zhang, J.*; Sun, J.*
J. Am. Chem. Soc. **2013**, *135*, 18020–18023.
33. Enantio- and Diastereoselective Assembly of Tetrahydrofuran and Tetrahydropyran Skeletons with All-Carbon Quaternary Stereocenters
Chen, Z.; Sun, J.*
Angew. Chem., Int. Ed. **2013**, *52*, 13593–13599.
32. Chiral Phosphoric Acid Catalyzed Enantioselective Desymmetrization of meso-Epoxides by Thiols
Wang, Z.; Law, W. K.; Sun, J.*
Org. Lett. **2013**, *15*, 5964–5966.
31. Ligand-Controlled Remarkable Regio- and Stereodivergence in Intermolecular Hydrosilylation of Internal Alkynes: Experimental and Theoretical Studies
Ding, S.; Song, L.-J.; Chung, L. W.; Zhang, X.; Sun, J.*; Wu, Y.-D.*
J. Am. Chem. Soc. **2013**, *135*, 13835–13842.
30. N-Heterocyclic Carbene (NHC) Catalyzed Synthesis of α,α -Difluoro Esters
Dong, X.; Zhao, Y.-M.; Sun, J.*

- Synlett* **2013**, 24, 1221–1224.
(Invited contribution for the Cluster on *N*-Heterocyclic Carbene Catalysis)
29. Catalytic Enantioselective Assembly of Tetrahydroisoquinolines and Their Analogues Bearing A C-4 Stereocenter: A Formal Synthesis of (+)-(8*S*,13*R*)-Cycloclabenzine
Chen, Z.¹; Wang, Z.¹; Sun, J.* (¹: equal contribution)
Chem. Eur. J. **2013**, 19, 8426–8430.
28. Catalytic Enantioselective Intermolecular Desymmetrization of 3-Substituted Oxetanes
Wang, Z.; Chen, Z.; Sun, J.*
Angew. Chem., Int. Ed. **2013**, 52, 6685–6688. (front cover)
27. A New Strategy for Efficient Synthesis of Medium and Large Ring Lactones without High Dilution or Slow Addition
Zhao, W.; Li, Z.*; Sun, J.*
J. Am. Chem. Soc. **2013**, 135, 4680–4683.
26. Stereoselective Synthesis of Aminoindanols via An Efficient Cascade aza-Michael/Aldol Reaction
Qian, H.; Zhao, W.; Sung, H. H.-Y.; Williams, I. D.; Sun, J.*
Chem. Commun. **2013**, 49, 4361–4363.
(Invited contribution for the [Emerging Investigators 2013 issue](#))
25. Complex Bioactive Alkaloid-Type Polycycles through Efficient Catalytic Asymmetric Multicomponent Aza-Diels–Alder Reaction of Indoles with Oxetane as Directing Group
Chen, Z.; Wang, B.; Wang, Z.; Zhu, G.*; Sun, J.*
Angew. Chem., Int. Ed. **2013**, 52, 2027–2031.
24. Catalyzed Enantioselective Synthesis of β,γ -Unsaturated α -Fluoroesters Catalyzed by *N*-Heterocyclic Carbenes
Zhao, Y.; Cheung, M. S.; Lin, Z.*; Sun, J.*
Angew. Chem., Int. Ed. **2012**, 51, 10359–10363.
23. Synthesis of 8-Membered Lactones via Intermolecular [6+2] Cyclization of New Amphoteric Molecules with Siloxy Alkynes
Zhao, W.; Wang, Z.; Sun, J.*
Angew. Chem., Int. Ed. **2012**, 51, 6209–6213.
22. NHC-Catalyzed Intramolecular Redox Reaction of Alkynals: An Efficient Synthesis of Allenates
Zhao, Y.; Tam, Y.; Wang, Y.; Li, Z.; Sun, J.*
Org. Lett. **2012**, 14, 1398–1401.

21. DFT Studies on Gold-Catalyzed Cycloisomerization of 1,5-Enynes
Fan, T.; Chen, X.; Sun, J.*; Lin, Z.*
Organometallics **2012**, *31*, 4221–4227.
20. Dithiafulvenyl Unit as a New Donor for High-Efficiency Dye-Sensitized Solar Cells: Synthesis and Demonstration of a Family of Metal-Free Organic Sensitizers
Guo, K.; Yan, K.; Lu, X.; Qiu, Y.; Liu, Z.; Sun, J.; Yan, F.; Guo, W.; Yang, S.*
Org. Lett. **2012**, *14*, 2214–2217.
19. Nickel-Catalyzed Enantioselective Cross-Couplings of Racemic Secondary Electrophiles That Bear an Oxygen Leaving Group.
Oelke, A. J.; Sun, J.; Fu, G. C.*
J. Am. Chem. Soc. **2012**, *134*, 2966–2969.
18. Enantioselective carbon–sulfur bond formation: g additions of aryl thiols to allenates catalyzed by a chiral phosphine
Fujiwara, Y.; Sun, J.; Fu, G. C.*
Chem. Sci. **2011**, *2*, 2196–2198.
17. Triflimide (*review*)
Sun, J.*
e-Encyclopedia of Reagents for Organic Synthesis, **2010**
16. Phosphine-Catalyzed Asymmetric Addition of Secondary Carbon Nucleophiles to γ -Substituted Allenes
Sinisi, R.¹; Sun, J.¹; Fu, G. C.* (¹: equal contribution)
Proc. Natl. Acad. Sci. U.S.A. **2010**, *107*, 20652–20654.
15. Phosphine-Catalyzed Formation of Carbon–Sulfur Bonds: Catalytic Asymmetric Synthesis of γ -Thioesters
Sun, J.; Fu, G. C.*
J. Am. Chem. Soc. **2010**, *132*, 4568–4569.
14. Phosphine-Catalyzed Stereoselective Synthesis of Highly Functionalized Diquinanes at Room Temperature
Wilson, J. E.; Sun, J.; Fu, G. C.*
Angew. Chem., Int. Ed. **2010**, *49*, 161–163.
13. Silver-Catalyzed Aldehyde Olefination Using Siloxyalkynes
Sun, J.; Keller, V. A.; Meyer, S. T.; Kozmin, S. A.*
Adv. Synth. Catal. **2010**, *352*, 839–842.
12. Highly Chemoselective Pd-C Catalytic Hydrodechlorination Leading to the Highly Efficient *N*-Debenzylation of Benzylamines
Cheng, C.; Sun, J.; Xing, L.; Xu, J.; Wang, X.; Hu, Y.*
J. Org. Chem. **2009**, *74*, 5671–5674.

11. Total Synthesis of (-)-Elegansidiol by Using an Abnormal Beckmann Fragmentation of Hajos Ketone Oxime as a Key Step
Cao, L.; Sun, J.; Wang, X.; Zhu, R.; Shi, H.; Hu, Y.*
Tetrahedron **2007**, 63, 5036–5041.
10. Gold and Platinum Catalysis of Enyne Cycloisomerization
Zhang, L.; Sun, J.; Kozmin, S. A.*
Adv. Synth. Catal. **2006**, 348, 2271–2296. (review)
9. Brønsted Acid-Promoted Cyclizations of Siloxy Alkynes with Unactivated Arenes, Alkenes and Alkynes
Zhang, L.; Sun, J.; Kozmin, S. A.*
Tetrahedron (Symposium-in-Print) **2006**, 62, 11371–11380.
8. Au- and Pt-Catalyzed Cycloisomerizations of 1,5-Enynes to Cyclohexadienes with a Broad Alkyne Scope
Sun, J.; Conley, M. P.; Zhang, L.; Kozmin, S. A.*
J. Am. Chem. Soc. **2006**, 128, 9705–9710.
7. Silver-Catalyzed Hydroamination of Siloxy Alkynes
Sun, J.; Kozmin, S. A.*
Angew. Chem., Int. Ed. **2006**, 45, 4991–4993
6. Brønsted Acid-Promoted Cyclizations of 1-Siloxy-1,5-diyne
Sun, J.; Kozmin, S. A.*
J. Am. Chem. Soc. **2005**, 127, 13512–13513.
5. Nonracemic *Betti* Base as a New Chiral Auxiliary and a Novel *N*-Debenzylation Straightforward to Amine Hydrochloride: Application to Total Synthesis of Enantiopure (2*S*,6*R*)-Dihydropinidine and (2*S*,6*R*)-Isosolenopsins
Wang, X.; Dong, Y.; Sun, J.; Xu, X.; Li, R.; Hu, Y.*
J. Org. Chem. **2005**, 70, 1897–1900.
4. Preparation of 2-Pyridone-Containing Tricyclic Alkaloid Derivatives as Potential Inhibitors of Tumor Cell Proliferation by Regioselective Intramolecular *N*- and *C*-Acylation of 2-Pyridone
Wang, S.; Cao, L.; Shi, H.; Dong, Y.; Sun, J.; Hu, Y.*
Chem. Pharm. Bull. **2005**, 53, 67–71.
3. Highly Efficient Chemoselective Deprotection of *O,O*-Acetals and *O,O*-Ketals Catalyzed by Molecular Iodine in Acetone
Sun, J.; Dong, Y.; Cao, L.; Wang, X.; Wang, S.; Hu, Y.*
J. Org. Chem. **2004**, 69, 8932–8934.

2. Highly Regioselective *N*-Alkylation of Nonracemic *Betti* Base: a Novel One-pot Synthesis of Chiral *N*-Methyl-*N*-alkyl *Betti* Bases
Dong, Y.; Sun, J.; Wang, X.; Xu, X.; Cao, L.; Hu, Y.*
Tetrahedron: Asymmetry **2004**, *15*, 1667–1672.

1. CuI-Catalyzed *N*-Arylation of Amide as a Key Step for the Preparation of 3-Aryl β -Carbolin-1-ones
Wang, S.; Sun, J.; Yu, G.; Hu, X.; Liu, J. O.; Hu, Y.*
Org. Biomol. Chem. **2004**, *2*, 1573–1574.