

Wen-Jing Xiao

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Education

1. 2001. 1 - 2002. 1: Postdoctoral scholar, Division of Chemistry and Chemical Engineering, California Institute of Technology, Pasadena, Research Area: 1. Total synthesis of natural products (Picrotin and Flustramine B); 2. Organic catalysis; 3. Development of new methodology and novel reactions. Advisor : Prof. David W. C. MacMillan;
2. 1997. 9 - 2000. 12: Doctor of Philosophy in Organic Chemistry, Chemistry Department, University of Ottawa. Dissertation: Palladium Catalyzed Thiocarbonylation and Related Reactions of Functionally Substituted Alkenes and Alkynes, Allenes, and Enynes. Advisor: Prof. Howard Alper
3. 1995. 9 - 1996. 1: Graduate Study/Ph.D. Candidate, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, Advisor : Prof. Xi-Yan Lu;
4. 1987. 9 - 1990. 6: M.S., Pesticide chemical research institute, Central China Normal University, Master of Science. Advisor : Prof. Wen-Fang Huang;
5. 1980. 9 - 1984. 6: B.S., Chemistry Department, Central China Normal University, Advisor : Kai-Ming Tang.

Work Experience

- 1) Jun., 2014 – : Dean of Chemistry Department, CCNU.
- 2) Sept. 2003-present, Professor of Chemistry, College of Chemistry, CCNU, Guizi Scholar Professor
- 3) Jan., 2002-Aug., 2003, Research Chemist, Materia, Inc., Pasadena, CA, USA.
- 4) Jan., 2001 – Jan. 2002: Postdoctoral scholar, Division of Chemistry and Chemical Engineering, California Institute of Technology.
- 5) Sept., 1997 – Dec., 2000, Teaching/Research Assistant, Chemistry Department, University of Ottawa.
- 6) Mar., 1996. – Aug., 1997, Visiting Scholar, Chemistry Department, University of Ottawa.
- 7) 1994-1996, Associate Professor, group leader, Institute of Organic Synthesis, CCNU.
- 8) 1990-1994, Lecturer, Institute of Organic Synthesis, CCNU.
- 9) 1984-1990, Teaching/Research Assistant, Institute of Organic Synthesis, CCNU.

Selected Awards and Fellowships

- 1) The 7th WuXi PharmaTech Life Chemistry Research Award, Cascade Reaction Strategy in the Heterocycle Synthesis, **2013**
- 2) The First Prize of Natural Science of Hubei Province, Research on the New Reagents, Catalytic Systems and New Reactions in Carbo/Heterocycles Synthesis, **2013**
- 3) The National 100 Excellent Doctoral Thesis Guidance Teacher, **2013**
- 4) National Pacesetter of the Professional Ethics Construction in Educations of China, **2011**
- 5) Best Poster Presentation Award, 16th IUPAC International Symposium on Organometallic Chemistry , **2011**
- 6) The 5th Outstanding Scientific and Technological Workers of Hubei Province, **2010**
- 7) Advanced Individual of Returned Overseas Chinese and the Family Members of Overseas Chinese, Hubei Province, **2010**
- 8) Most Cited Paper 2006-2009 Award, Tetrahedron Letter, **2009**
- 9) Asymchem Outstanding College Teacher Award, **2009**
- 10) Academic Leaders in Wuhan Municipality, **2009**
- 11) Liang Liang-Sheng Award for Science and Technology Progress, Hubei Federation of Returned Overseas Chinese , **2008**
- 12) Outstanding Doctoral Thesis Guidance Teacher, Hubei Province, **2008**
- 13) Outstanding Master's Thesis Guidance Teacher, Hubei Province, **2008**
- 14) Special allowance from the State Council of China, **2007**
- 15) High Level Talents of New Century, Hubei Province, **2006**
- 16) First Awards for the 1st Excellent Academic Thesis of Natural Science, Hubei Province, **2006**
- 17) New Century Excellent Talents in Universities, Ministry of Education , **2005**
- 18) The First Prize of Natural Science of Hubei Province, **2005**
- 19) Special Allowances of Hubei Provincial People's Government, **2005**
- 20) The Distinguished Young Scholar of Hubei Province, **2004**
- 21) NESEC Visiting Scholar Fellowship, National Research Council, Canada , **2000**
- 22) Scholarship of Visiting Scholar, Ministry of Education, China, **1995**
- 23) Award for Excellent Young Scientist of Wuhan Municipality, the Science & Technology Commission of Wuhan, China, **1993**
- 24) The National Chemistry Prize for Outstanding Young Chemists, Chinese Chemical Society, **1992**
- 25) Award for Science & Technology Progression, Chinese Science & Technology Commission, China. **1991**
- 26) Scholarship of “Vigorously Developing Pesticide Industry”, Chinese Society of

Pesticide Industry, China, 1990.

Board Member and Societies

- 1) Member of international advisory board of “Eur. J. Org. Chem.”, Wiley Publisher
- 2) Member of Committee of Organometallic Chemistry Catalysis, CCS
- 3) Member of international advisory board of “Current Organocatalysis”, Bentham Science Publisher
- 4) Member of Committee of Homogeneous Catalysis, CCS
- 5) Editorial Board of “Studies in Synthetic Chemistry”, Hans Publisher
- 6) Member of Grants Selection Committee, National Natural Science Foundation of China
- 7) Member of Science and Technology Award Committee
- 8) Member of Grants Selection Committee, Education Ministry
- 9) Member of Academic Committee, Central China Normal University
- 10) Standing Committee of Wuhan Federation of Returned Overseas (Since Aug., 2004)
- 11) Committee of Western Returned Scholars Association (WRSA) of Wuhan.
- 12) Member of Chinese Chemical Society, CCS

Book Chapters

- 1) **Wen-Jing Xiao, Comments 3 on The Proline-Catalyzed Mannich Reaction and the Advent of Enamine Catalysis**, in 《*Organic Chemistry –Breakthroughs and Perspectives*》, Eds.: Kuiling Ding and Li-Xin Dai, Wiley-VCH, 2012.
- 2) Jia-Rong Chen and **Wen-Jing Xiao, Addition to Carbonyl Compounds**, in 《*Catalytic Asymmetric Friedel-Crafts Alkylations*》, Eds.: Marco Bandini and Achille Umani-Ronchi, Wiley-VCH, 2009.
- 3) **Wen-Jing Xiao, Efficient Synthesis of O- and N-Heterocycles via Olefin Ring Closing Metathesis**, in 《*Modern Approaches To The Synthesis of O- and N-heterocycles*》, Vol. 2, Eds.: Teodoro S. Kaufman and Enrique L. Larghi, Published by Research Signpost, 2007.

Publication List:

- 1) T.-R. Li, F. Tan, L.-Q. Lu, Y. Wei, Y.-N. Wang, Y.-Y. Liu, Q.-Q. Yang, J.-R. Chen, D.-Q. Shi, **W.-J. Xiao**, Asymmetric Trapping of Zwitterionic Intermediates by Sulphur Ylides in a Palladium-Catalysed Decarboxylation-Cycloaddition Sequence. *Nat. Commun.* 2014, in press. (IF: 10.742)
- 2) X.-Q. Hu, J.-R. Chen, Q. Wei, F.-L. Liu, Q.-H. Deng, A. M. Beauchemin., **W.-J. Xiao**, Photocatalytic Generation of N-Centered Hydrazone Radicals: A Strategy

for Hydroamination of β,γ -Unsaturated Hydrazones, *Angew. Chem. Int. Ed.* **2014**, DOI: 10.1002/anie.201406491. (IF: 11.336)

- 3) J. Xuan, X.-D. Xia, T.-T. Zeng, Z.-J. Feng, J.-R. Chen, L.-Q. Lu, **W.-J. Xiao**, Visible-Light-Induced Formal [3+2] Cycloaddition for Pyrrole Synthesis under Metal-Free Conditions, *Angew. Chem. Int. Ed.* **2014**, *53*, 5653-5656. (Most Accessed in 4/2014, Featured in *Synfacts* **2014**, *10*, 0916) (IF: 11.336)
- 4) J.-R. Chen, X.-Q. Hu, **W.-J. Xiao**, Metal-Containing Carbonyl Ylides: Versatile Reactants in Catalytic Enantioselective Cascade Reactions, *Angew. Chem. Int. Ed.* **2014**, *53*, 4038-4040. (IF: 11.336)
- 5) Y.-Q. Zou, J.-R. Chen, **W.-J. Xiao**, *Angew. Chem. Int. Ed.* Homogeneous Visible-Light Photoredox Catalysis, **2013**, *52*, 11701-11703. (IF: 11.336)
- 6) H.-G. Cheng, L.-Q. Lu, T. Wang, Q.-Q. Yang, X.-P. Liu, Y. Li, Q.-H. Deng, J.-R. Chen, **W.-J. Xiao**, Highly Enantioselective Friedel-Crafts Alkylation/N-Hemiacetalization Cascade Reaction of Indoles, *Angew. Chem. Int. Ed.* **2013**, *52*, 3250-3254. (Hot Paper in Wiley InterScience, Featured in *Synfacts* **2013**, *9*, 0624) (IF: 11.336)
- 7) L.-Q. Lu, J.-R. Chen, **W.-J. Xiao**, Development of Cascade Reactions for the Concise Construction of Diverse Heterocyclic Architectures, *Acc. Chem. Res.* **2012**, *45*, 1278-1293. (Invited paper) (IF: 24.348)
- 8) Q.-Q. Yang, C. Xiao, L.-Q. Lu, J. An, F. Tan, B.-J. Li, **W.-J. Xiao**, Synthesis of Indoles through Highly Efficient Cascade Reactions of Sulfur Ylides and N-(ortho-Chloromethyl)aryl Amides, *Angew. Chem. Int. Ed.* **2012**, *51*, 9137-9140. (IF: 11.336)
- 9) J. Xuan, **W.-J. Xiao**, Visible Light Photoredox Catalysis, *Angew. Chem. Int. Ed.* **2012**, *51*, 6828-6838. (Invited review) (IF: 11.336)
- 10) Y.-Q. Zou, J.-R. Chen, X.-P. Liu, L.-Q. Lu, R. L. Davis, K. A. Jørgensen, **W.-J. Xiao**, Highly Efficient Aerobic Oxidative Hydroxylation of Arylboronic Acids: Photoredox Catalysis Using Visible Light, *Angew. Chem. Int. Ed.* **2012**, *51*, 784-788. (IF: 11.336)
- 11) Y.-Q. Zou, L.-Q. Lu, L. Fu, N.-J. Chang, J. Rong, J.-R. Chen, **W.-J. Xiao**, Visible-Light-Induced Oxidation/[3+2] Cycloaddition/Oxidative Aromatization Sequence: A Photocatalytic Strategy To Construct Pyrrolo[2,1-*a*]isoquinolines, *Angew. Chem. Int. Ed.* **2011**, *50*, 7171-7175. (IF: 11.336)
- 12) X.-F. Wang, Q.-L. Hua, Y. Cheng, X.-L. An, Q.-Q. Yang, J.-R. Chen, **W.-J. Xiao**,

- Organocatalytic Asymmetric Sulfa-Michael/Michael Addition Reactions: A Strategy for the Synthesis of Highly Substituted Chromans with a Quaternary Stereocenter, *Angew. Chem. Int. Ed.* **2010**, *49*, 8379-8383. (Featured in *Chin. J. Org. Chem.* **2011**, *31*, 150; Featured in *Synfacts* **2010**, *12*, 1421; Hot Topics of Organocatalysis in Wiley InterScience.) (IF: 11.336)
- 13) L.-Q. Lu, J.-J. Zhang, F. Li, Y. Cheng, J. An, J.-R. Chen, **W.-J. Xiao**, Tuning Electronic and Steric Effects: Highly Enantioselective [4+1] Pyrroline Annulation of Sulfur Ylides with α , β -Unsaturated Imines, *Angew. Chem. Int. Ed.* **2010**, *49*, 4495-4498. (IF: 11.336)
- 14) L.-Q. Lu, F. Li, J. An, J.-J. Zhang, X.-L. An, Q.-L. Hua, **W.-J. Xiao**, Construction of Fused Heterocyclic Architectures by Formal [4+1]/[3+2] Cycloaddition Cascade of Sulfur Ylides and Nitroolefins, *Angew. Chem. Int. Ed.* **2009**, *48*, 9542-9545. (Featured in *Chin. J. Org. Chem.* **2010**, *30*, 150; Featured in *Synfacts* **2010**, *3*, 0310 and in syntheticnature.wordpress.com.) (IF: 11.336)
- 15) L.-Q. Lu, Y.-J. Cao, X.-P. Liu, J. An, C.-J. Yao, Z.-H. Ming, **W.-J. Xiao**, A New Entry to Cascade Organocatalysis: Reactions of Stable Ylides and Nitroolefins Sequentially Catalyzed by Thiourea and DMAP, *J. Am. Chem. Soc.* **2008**, *130*, 6946-6948. (Featured in *Synfacts* **2008**, *8*, 0876 and in *The World of Organocatalysis*; Featured in *Chin. J. Org. Chem.* **2008**, *28*, 1300) (IF: 11.444)
- 16) J.-R. Chen, C.-F. Li, X.-L. An, J.-J. Zhang, X.-Y. Zhu, **W.-J. Xiao**, Ru-Catalyzed Tandem Cross-Metathesis/Intramolecular Hydroarylation Sequence, *Angew. Chem. Int. Ed.* **2008**, *47*, 2489-2492. (IF: 11.336)
- 17) J. F. Austin, S. G. Kim, C. J. Sinz, **W.-J. Xiao**, D. W. C. MacMillan, Enantioselective Organocatalytic Construction of Pyrroloindolines by a Cascade Addition- Cyclization Strategy: Synthesis of (-)-Flustramine B, *Proc. Natl. Acad. Sci. USA* **2004**, *101*, 5482-5487. (IF: 9.809)
- 18) S. C. Bourque, F. Maltais, **W.-J. Xiao**, O. Tardif, H. Alper, P. Arya, L. E. Manzer, Hydroformylation Reactions with Rhodium-Complexed Dendrimers on Silica, *J. Am. Chem. Soc.* **1999**, *121*, 3035-3038. (IF: 11.444)
- 19) X.-D. Xia, J. Xuan, Q. Wang, L.-Q. Lu, J.-R. Chen, **W.-J. Xiao**, Synthesis of 2-Substituted Indoles through Visible Light-Induced Photocatalytic Cyclizations of Styryl Azides, *Adv. Synth. Catal.* **2014**, *356*, 2807-2812. (IF = 5.542) (Invited paper)
- 20) X.-D. Xia, Y.-L. Ren, J.-R. Chen, X.-L. Yu, L.-Q. Lu, Y.-Q. Zou, J. Wan, **W.-J. Xiao**, Phototandem Catalysis: Efficient Synthesis of 3-Ester-3-hydroxy-2-oxindoles by a Visible Light-Induced Cyclization of

Diazoamides through an Aerobic Oxidation Sequence, *Chem. Asian J.* **2014**, DOI: 10.1002/asia.201402990. (IF: 3.935)

- 21) F. Tan, J.-R. Chen, P. Wang, **W.-J. Xiao**, Asymmetric Diels-Alder Reaction of 2-Arylidene-1,3-indanediones with 2-Vinylindoles Catalyzed by a Sc(OTf)₃/Bis(oxazoline) Complex: Enantioselective Synthesis of Tetrahydrocarbazole Spiro Indanedio, *Acta Chim. Sinica.* **2014**, 72, 836- 840. (IF: 0.874) (Invited paper)
- 22) B. Feng, H.-G. Cheng, J.-R. Chen, Q.-H. Deng, L.-Q. Lu, **W.-J. Xiao**, Palladium/sulfoxide–phosphine-catalyzed highly enantioselective allylic etherification and amination, *Chem. Commun.* **2014**, 50, 9550-9553. (IF: 6.718)
- 23) F.-L. Liu, J.-R. Chen, Y.-Q. Zou, Q. Wei, **W.-J. Xiao**, Three-Component Coupling Reaction Triggered by Insertion of Arynes into the S-O Bond of DMSO, *Org. Lett.* **2014**, 16, 3768-3771. (IF: 6.324)
- 24) W. Ding, Q.-Q. Zhou, J. Xuan, T.-R. Li, L.-Q. Lu, **W.-J. Xiao**, Photocatalytic aerobic oxidation/semipinacol rearrangement sequence: a concise route to the core of pseudoindoxyl alkaloids, *Tetrahedron Lett.* **2014**, 55, 4648- 4652. (IF: 2.295)
- 25) Q.-H. Deng, Y.-Q. Zou, L.-Q. Lu, Z.-L. Tang, J.-R. Chen, **W.-J. Xiao**, De Novo Synthesis of Imidazoles by Visible-Light-Induced Photocatalytic Aerobic Oxidation/[3+2] Cycloaddition/Aromatization Cascade, *Chem. Asian. J.* **2014**, 9, 2432- 2435. (IF: 3.935)
- 26) L.-Y. Chen, J.-R. Chen, H.-G. Cheng, L.-Q. Lu, **W.-J. Xiao**, Enantioselective Synthesis of Tetrahydrofuran Derivatives by Sequential Henry Reaction and Iodocyclization of γ,δ -Unsaturated Alcohols, *Eur. J. Org. Chem.* **2014**, 4714-4719. (IF: 3.154)
- 27) Y.-Q. Zou, W. Guo, F.-L. Liu, L.-Q. Lu, J.-R. Chen, **W.-J. Xiao**, Visible-light-induced photocatalytic formyloxylations reactions of 3-bromooxindoles with water and DMF: the scope and mechanism, *Green Chem.* **2014**, 16, 3787- 3795. (IF: 6.852)
- 28) W. Guo, H.-G. Cheng, L.-Y. Chen, J. Xuan, Z.-J. Feng, J.-R. Chen, L.-Q. Lu, **W.-J. Xiao**, De Novo Synthesis of γ,γ -Disubstituted Butyrolactones through a Visible Light Photocatalytic Arylation–Lactonization Sequence, *Adv. Synth. Catal.* **2014**, 356, 2787-2793. (IF = 5.542) (Invited paper)
- 29) A. Boucherif, Q.-Q. Yang, Q. Wang, J.-R. Chen, L.-Q. Lu, **W.-J. Xiao**, Enantio- and Diastereoselective Synthesis of Spiro-Epoxyoxindoles, *J. Org. Chem.* **2014**, 79, 3924- 3929. (IF: 4.638)

- 30) X.-Q. Hu, J.-R. Chen, Q. Wei, F.-L. Liu, Q.-H. Deng, Y.-Q. Zou, **W.-J. Xiao**, Efficient Synthesis of Dihydropyrazoles by Halocyclization of β,γ -Unsaturated Hydrazones, *Eur. J. Org. Chem.* **2014**, 3082-3086. (IF: 3.154)
- 31) W. Ding, J.-R. Chen, Y.-Q. Zou, S.-W. Duan, L.-Q. Lu, **W.-J. Xiao**, Aerobic oxidative C–B bond cleavage of arylboronic acids mediated by methylhydrazines, *Org. Chem. Front.* **2014**, *1*, 151- 154. (Invited paper)
- 32) J. Xuan, Z.-J. Feng, J.-R. Chen, L.-Q. Lu, **W.-J. Xiao**, Visible Light-Induced C-S Bond Activation: Facile Access to 1,4-Diketones from β -Ketosulfones, *Chem. Eur. J.* **2014**, *20*, 3045- 3049. (IF: 5.696) (Most Accessed in 2/2014)
- 33) J. Gao, J.-R. Chen, S.-W. Duan, T.-R. Li, L.-Q. Lu, **W.-J. Xiao**, Organocatalytic Asymmetric Conjugate Addition of 2-Oxindole-3-Carboxylate Esters to 2-Phthalimido Acrylates: Efficient Synthesis of γ -tetrasubstituted α -Amino Acid Derivatives, *Asian J. Org. Chem.* **2014**, *3*, 530- 535. (IF: 2.292) (Featured in *Chemistryviews*)
- 34) F. Tan, L.-Q. Lu, Q.-Q. Yang, W. Guo, Q. Bian, J.-R. Chen, **W.-J. Xiao**, Enantioselective Cascade Michael Addition/Cyclization Reactions of 3-Nitro-2*H*-Chromenes with 3-Isothiocyanato Oxindoles: Efficient Synthesis of Functionalized Polycyclic Spirooxindoles, *Chem. Eur. J.* **2014**, *20*, 3415- 3420. (IF: 5.696)
- 35) Z.-J. Feng, J. Xuan, X.-D. Xia, W. Ding, W. Guo, J.-R. Chen, Y.-Q. Zou, L.-Q. Lu, **W.-J. Xiao**, Direct sp^3 C-H acroleination of N-aryl-tetrahydroisoquinolines by merging photoredox catalysis with nucleophilic catalysis, *Org. Biomol. Chem.* **2014**, *12*, 2037- 2040. (IF: 3.487)
- 36) T.-R. Li, S.-W. Duan, W. Ding, Y.-Y. Liu, J.-R. Chen, L.-Q. Lu, W.-J. Xiao, Synthesis of CF₃-Containing 3,3'-Cyclopropyl Spirooxindoles by Sequential [3 +2] Cycloaddition/Ring Contraction of Ylideneoxindoles with 2,2,2-Trifluorodiazaoethane, *J. Org. Chem.* **2014**, *79*, 2296- 2302. (IF: 4.638)
- 37) H.-G. Cheng, B. Feng, L.-Y. Chen, W. Guo, X.-Y. Yu, L.-Q. Lu, J.-R. Chen, **W.-J. Xiao**, Rational design of sulfoxide-phosphine ligands for Pd-catalyzed enantioselective allylic alkylation reactions, *Chem. Commun.* **2014**, *50*, 2873- 2875. (IF: 6.718) (Featured in *Synfacts* **2014**, *10*, 0491)
- 38) F.-L. Liu, J.-R. Chen, B. Feng, X.-Q. Hu, L.-H. Ye, L.-Q. Lu, **W.-J. Xiao**, Enantioselective organocatalytic oxa-Michael addition of oximes to β -CF₃- β -disubstituted nitroalkenes: efficient synthesis of β -amino- α -trifluoromethyl alcohols, *Org. Biomol. Chem.* **2014**, *12*, 1057- 1060.

(IF: 3.487)

- 39) T.-T. Zeng, J. Xuan, J.-R. Chen, L.-Q. Lu, **W.-J. Xiao**, Visible Light Photoredox Catalysis in Trifluoromethylation Reactions, *Imaging Science and Photochemistry* **2014**, 32, 415-432. (Invited paper)
- 40) S. Gao, J.-R. Chen, X.-Q. Hu, H.-G. Cheng, L.-Q. Lu, **W.-J. Xiao**, Copper-Catalyzed Enantioselective Inverse Electron-Demand Hetero-Diels-Alder Reactions of Diazadienes with Enol Ethers: Efficient Synthesis of Chiral Pyridazines, *Adv. Synth. Catal.* **2013**, 355, 3539- 3544. (IF = 5.542) (Featured in *Synfacts* **2014**, 10, 0268)
- 41) X.-Q. Hu, J.-R. Chen, S. Gao, B. Feng, L.-Q. Lu, **W.-J. Xiao**, [4+3] Cycloaddition of in-situ generated azoalkenes with C,N-cyclic azomethine imines: Efficient synthesis of tetrazepine derivatives, *Chem. Commun.* **2013**, 49, 7905-7907. (IF: 6.718)
- 42) J. Xuan, L.-Q. Lu, J.-R. Chen, **W.-J. Xiao**, Visible-Light-Driven Photoredox Catalysis in the Construction of Carbocyclic and Heterocyclic Ring Systems, *Eur. J. Org. Chem.* **2013**, 2071- 2075. (IF: 3.154)) (Top ten most Accessed articles in 7/2013)
- 43) J. An, Q.-Q. Yang, Q. Wang, **W.-J. Xiao**, Direct synthesis of pyrrolo[2,1-a]isoquinolines by 1,3-dipolar cycloaddition of stabilized isoquinolinium N-ylides with vinyl sulfonium salts *Tetrahedron Lett.* **2013**, 54, 3834- 3837. (IF: 2.295)
- 44) J. An, Y.-Q. Zou, Q.-Q. Yang, Q. Wang, **W.-J. Xiao**, Visible Light-Induced Aerobic Oxyamidation of Indoles: A Photocatalytic Strategy for the Preparation of Tetrahydro-5*H*-indolo[2,3-*b*]quinolinols, *Adv. Synth. Catal.* **2013**, 355, 1483-1489. (IF: 5.542)
- 45) Q.-Q. Yang, Q. Wang, J. An, J.-R. Chen, L.-Q. Lu, **W.-J. Xiao**, Construction of Optically Active Indolines by Formal [4+1] Annulation of Sulfur Ylides and *N*-(ortho-Chloromethyl)aryl Amides, *Chem. Eur. J.* **2013**, 19, 8401. (IF: 5.696)
- 46) S.-W. Duan, Y.-Y. Liu, W. Ding, T.-R. Li, D.-Q. Shi, J.-R. Chen, **W.-J. Xiao**, Chiral Squaramide Catalyzed Asymmetric Conjugate Additions of 3-Substituted Oxindoles to Vinylphosphonates, *Synthesis* **2013**, 45, 1647-1653. (Invited paper) (IF: 2.260)
- 47) F. Tan, H.-G. Cheng, B. Feng, Y.-Q. Zou, S.-W. Duan, J.-R. Chen, **W.-J. Xiao**, Highly Enantioselective Organocatalytic Michael Addition/Cyclization Cascade Reaction of Ylideneoxindoles with Isothiocyanato Oxindoles, *Eur. J. Org. Chem.*

2013, 2071-2075. (IF: 3.154)

- 48) J. Xuan, B.-J. Li, Z.-J. Feng, G.-D. Sun, H.-H. Ma, Z.-W. Yuan, J.-R. Chen, L.-Q. Lu, **W.-J. Xiao**, Desulfonylation of Tosyl Amides through Catalytic Photoredox Cleavage of N-S Bond Under Visible-Light Irradiation, *Chem. Asian J.* **2013**, *8*, 1090-1094. (IF: 3.935) (Featured in *Organic Chemistry Highlights*)
- 49) Y. Cheng, X.-Q. Hu, S. Gao, L.-Q. Lu, J.-R. Chen, **W.-J. Xiao**, Formal [4+1] Cycloaddition of Camphor-Derived Sulfonium Salts with Aldimines: Enantioselective Synthesis of 2,3-Dihydrobenzofurans, *Tetrahedron* **2013**, *69*, 3810-3816. (IF: 2.817)
- 50) C. Li, F.-L. Liu, Y.-Q. Zou, L.-Q. Lu, J. Rong, J.-R. Chen, **W.-J. Xiao**, Enantioselective Synthesis of Highly Substituted Chromans by a Zinc(II)-Catalyzed Tandem Friedel–Crafts Alkylation/Michael Addition Reaction, *Synthesis* **2013**, *45*, 0601-0608. (Invited paper, Featured in *Synfacts* **2013**, *9*, 0486) (IF: 2.260)
- 51) J. An, L.-Q. Lu, Q.-Q. Yang, T. Wang, **W.-J. Xiao**, Enantioselective Construction of Oxa- and Aza-Angular Triquinanes through Tandem [4+1]/[3+2] Cycloaddition of Sulfur Ylides and Nitroolefins, *Org. Lett.* **2013**, *15*, 542-545. (IF: 6.324)
- 52) Y.-Q. Zou, S.-W. Duan, X.-G. Meng, X.-Q. Hu, S. Gao, J.-R. Chen, **W.-J. Xiao**, Visible Light Induced Intermolecular [2+2]-Cycloaddition Reactions of 3-Ylideneoxindoles through Energy Transfer Pathway, *Tetrahedron* **2012**, *68*, 6914-6918. (IF: 2.817)
- 53) X.-Y. Zhu, J.-R. Chen, L.-Q. Lu, **W.-J. Xiao**, An Efficient Synthesis of Enol Phosphates *via* Organic Base-Promoted Addition of Phosphites to 4-Oxo-enoates, *Tetrahedron* **2012**, *68*, 6032-6037. (IF: 2.817)
- 54) H.-G. Cheng, L.-Q. Lu, T. Wang, J.-R. Chen, **W.-J. Xiao**, Design of Chiral Sulfoxide-Schiff Base Hybrids and Their Application in Cu-Catalyzed Asymmetric Henry Reactions, *Chem. Commun.* **2012**, *48*, 5596-5598. (IF: 6.718) (Featured in *Synfacts* **2012**, *8*, 001)
- 55) J. Xuan, Z.-J. Feng, S.-W. Duan, **W.-J. Xiao**, Room Temperature Synthesis of Isoquino[2,1-*a*][3,1]oxazine and Isoquino[2,1-*a*]pyrimidine Derivatives *via* Visible Light Photoredox Catalysis, *RSC Adv.* **2012**, *2*, 4065-4068. (IF: 3.708)
- 56) L.-Q. Lu, F. Li, J. An, Y. Cheng, J.-R. Chen, **W.-J. Xiao**, Hydrogen-Bond-Mediated Asymmetric Cascade Reaction of Stable Sulfur Ylides with Nitroolefins: Scope, Application and Mechanism, *Chem. Eur. J.* **2012**, *18*, 4073-4079. (IF: 5.696)

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