

附录一：2013 年度手性科学国家重点实验室文献发表总结

2013 年发表的文献共有 39 篇，期刊影响因子大于 5 的共有 23 篇，期刊影响因子大于 3 的共有 32 篇。

Total 39 publications for Year 2013

- 23 articles published in Journal with Impact factor greater than 5.
- 32 articles published in Journal with Impact factor greater than 3.

期刊 Journal	数量 No. of publication	2013 年 影响因子 2013 impact factor
<i>Chemical Science</i>	1	8.314
<i>Chemical communications</i>	8	6.378
<i>Organic Letters</i>	1	6.142
<i>Chemistry A European Journal</i>	4	5.831
<i>Journal of Medicinal Chemistry</i>	1	5.614
<i>Advanced Synthesis & Catalysis</i>	6	5.535
<i>Biosensors and Bioelectronics</i>	2	5.437
<i>Chemistry An Asian Journal</i>	1	4.572
<i>Journal of Organic Chemistry</i>	1	4.564
<i>Journal of Chemical Information and Modeling</i>	1	4.304
<i>Analyst</i>	1	3.969
<i>CrystEngComm</i>	1	3.879
<i>The Journal of Physical Chemistry B</i>	1	3.607
<i>Organic & Biomolecular Chemistry</i>	1	3.568
<i>Applied Catalysis A: General</i>	1	3.410
<i>Molecular BioSystems</i>	1	3.350
<i>Scientific Reports</i>	1	2.927
<i>Electroanalysis</i>	1	2.817
<i>Synlett</i>	1	2.655

<i>RSC Advances</i>	1	2.562
<i>Molecules</i>	1	2.428
<i>Bioorganic & Medicinal Chemistry Letters</i>	1	2.338
<i>ChemPlusChem</i>	1	Not available
合计		39

1. Rapid detection and quantitation of ketamine and norketamine in urine and oral fluid by wooden-tip electrospray ionization mass spectrometry

By Pui-Kin So, Tsz-Tsun Ng, Haixing Wang, Bin Hu and Zhong-Ping Yao

From *Analyst*, **2013**, *138*, 2239-2243.

Impact factor: 3.969

Page 44

2. Mild Metal-Free Intramolecular Oxidative Alkylation of a Csp³ H Bond Adjacent to a Nitrogen Atom: A Versatile Approach to Ring-Fused Tetrahydroquinolines

By Gen Zhang, Shoulei Wang, Yunxia Ma, Weidong Kong and Rui Wang

From *Advanced Synthesis & Catalysis*, **2013**, *355* (5), 874–879.

Impact factor: 5.535

Page 45

3. An Amyloid-Fibril-Based Colorimetric Nanosensor for Rapid and Sensitive Chromium(VI) Detection

By Wai-Hong Leung, Lan Zou, Wai-Hung Lo and Pak-Ho Chan

From *ChemPlusChem* **2013**, *78*, 1440-1445.

Impact factor: Not available

Page 46

4. Catalytic Asymmetric Michael Addition/Cyclization of Isothiocyanato Oxindoles: Highly Efficient and Versatile Approach for the Synthesis of 3,2'-Pyrrolidinyll Mono- and Bi-spirooxindole Frameworks

By Yi-Ming Cao, Fang-Fang Shen, Fu-Ting Zhang and Rui Wang

From *Chemistry - A European Journal*, **2013**, *19* (4), 1184–1188.

Impact factor: 5.831

Page 47

5. Cyclometallated Gold(III) Complexes as Effective Catalysts for Synthesis of Propargylic Amines, Chiral Allenes and Isoxazoles

By Karen Ka-Yan Kung, Vanessa Kar-Yan Lo, Hok-Ming Ko, Gai-Li Li, Pui-Ying Chan, King-Chi Leung, Zhongyuan Zhou, Ming-Zhong Wang, Chi-Ming Che and Man-Kin Wong

From *Advanced Synthesis & Catalysis*, **2013**, *355* (10), 2055–2070.

Impact factor: 5.535

Page 48

6. Controlling the selectivity of the manganese/bicarbonate/hydrogen peroxide catalytic system by a biphasic pyrrolidinium ionic liquid/n-heptane medium

By Wing-Leung Wong, Kam-Piu Ho, Lawrence Yoon Suk Lee, Ming-Him So, Tak Hang Chan and Kwok-Yin Wong

From *Applied Catalysis A: General*, **2013**, 453, 244–249.

Impact factor: 3.410

Page 49

7. An asymmetric approach toward chiral multicyclic spirooxindoles from isothiocyanato oxindoles and unsaturated pyrazolones by a chiral tertiary amine thiourea catalyst

By Qiao Chena, Jinyan Lianga, Shoulei Wanga, Dong Wanga and Rui Wang

From *Chem. Commun.*, **2013**, 49, 1657-1659.

Impact factor: 6.378

Page 50

8. A dinuclear ruthenium catalyst with a confined cavity: selectivity in the addition of aliphatic carboxylic acids to phenylacetylene

By Kwong-Chak Cheung, Wing-Leung Wong, Ming-Him So, Zhong-Yuan Zhou, Siu-Cheong Yan and Kwok-Yin Wong

From *Chem. Commun.*, **2013**, 49, 710-712.

Impact factor: 6.378

Page 51

9. Development of Metal/Organo Catalytic Systems for Direct Vinylogous Michael Reactions to Build Chiral γ,γ -Disubstituted Butenolides

By Dongxu Yang, Linqing Wang, Depeng Zhao, Fengxia Han, Bangzhi Zhang and Rui Wang

From *Chemistry - A European Journal*, **2013**, 19 (15), 4691–4694.

Impact factor: 5.831

Page 52

10. Stereolabile chiral biphenyl hybrids: crystallization-induced dynamic atropselective resolution involving supramolecular interactions

By Chi-Tung Yeung, Ho-Lun Yeung, Wesley Ting Kwok Chan, Siu-Cheong Yan, Eric C. Y. Tam, Ka-Leung Wong, Chi-Sing Lee and Wing-Tak Wong

From *CrystEngComm*, **2013**, 15, 836-840.

Impact factor: 3.879

Page 53

11. Catalytic Enantioselective Ring-Opening Reaction of meso-Aziridines with α -Isothiocyanato Imides

By Yi-Ming Cao, Fu-Ting Zhang, Fang-Fang Shen and Rui Wang

From *Chemistry - A European Journal*, **2013**, 19 (29), 9476–9480.

Impact factor: 5.831

Page 54

12. Toluene derivatives as simple coupling precursors for cascade palladium-catalyzed oxidative C–H bond acylation of acetanilides

By Yinuo Wu, Pui Ying Choy, Fei Mao and Fuk Yee Kwong

From *Chem. Commun.*, **2013**, 49, 689-691.

Impact factor: 6.378

Page 55

13. Chiral organic contact ion pairs in metal-free catalytic enantioselective oxidative cross-dehydrogenative coupling of tertiary amines to ketones

By Gen Zhang, Yunxia Ma, Shoulei Wang, Weidong Kong and Rui Wang

From *Chem. Sci.*, **2013**, 4, 2645-2651.

Impact factor: 8.314

Page 56

14. Bis-cyclometallated gold(III) complexes as efficient catalysts for synthesis of propargylamines and alkylated indoles

By Hok-Ming Ko, Karen Ka-Yan Kung, Jian-Fang Cui and Man-Kin Wong

From *Chem. Commun.*, **2013**, 49, 8869-8871.

Impact factor: 6.378

Page 57

15. Detection of cancer biomarkers by piezoelectric biosensor using PZT ceramic resonator as the transducer

By Li Sua, Lan Zoua, Chi-Chun Fong, Wing-Leung Wong, Fan Wei, Kwok-Yin Wong, Rudolf S.S. Wu and Mengsu Yang

From *Biosensors and Bioelectronics*, **2013**, 46, 155–161.

Impact factor: 5.437

Page 58

16. An Efficient Oxidative Cross-Coupling Reaction between C–H and N–H Bonds; A Transition-Metal-Free Protocol at Room Temperature

By Yinuo Wu, Fuk Yee Kwong, Pengfei Li, Albert S. C. Chan

From *Synlett* **2013**; 24(15), 2009-2013.

Impact factor: 2.655

Page 59

17. Enantioselective 1,3-dipolar cycloaddition of methyleneindolinones and N,N'-cyclic azomethine imines

By Liang Hong, Ming Kai, Chongyang Wu, Wangsheng Sun, Gongming Zhu, Guofeng Li, Xiaojun Yao and Rui Wang

From *Chem. Commun.*, **2013**, 49, 6713-6715.

Impact factor: 6.378

Page 60

18. Asymmetric Vinylogous Michael Addition/Cyclization Cascade Reaction for the Construction of Diversely Structured Spiro- Oxindole Skeletons

By Xiao-Mei Shi, Wei-Ping Dong, Li-Ping Zhu, Xian-Xing Jiang and Rui Wang

From *Advanced Synthesis & Catalysis* **2013**, 355(16), 3119-3123.

Impact factor: 5.535

Page 61

19. An organocatalytic asymmetric double Michael cascade reaction of unsaturated ketones and unsaturated pyrazolones: highly efficient synthesis of spiropyrazolone derivatives

By Jinyan Liang, Qiao Chen, Luping Liu, Xianxing Jiang and Rui Wang

From *Org. Biomol. Chem.*, **2013**, 11, 1441-1445.

Impact factor: 3.568

Page 62

20. A Radical Process towards the Development of Transition-Metal-Free Aromatic Carbon–Carbon Bond-Forming Reactions

By Tek Long Chan, Yinuo Wu, Pui Ying Choy and Fuk Yee Kwong

From *Chemistry - A European Journal* **2013**, 19(47), 15802-15814.

Impact factor: 5.831

Page 63

21. Palladium(II)-Catalyzed ortho-C–H-Benzoxylation of 2-Arylpyridines by Oxidative Coupling with Aryl Acylperoxides

By Wing-Nga Sit, Chun-Wo Chan and Wing-Yiu Yu

From *Molecules*, **2013**, *18* (4), 4403-4418.

Impact factor: 2.428

Page 64

22. Palladium-Catalyzed ortho-CH-Bond Oxygenation of Aromatic Ketones

By Pui Ying Choy and Fuk Yee Kwong

From *Org. Lett.*, **2013**, *15* (2), 270–273.

Impact factor: 6.142

Page 65

23. In Vivo and Real-time Monitoring of Secondary Metabolites of Living Organisms by Mass Spectrometry

By Bin Hu, Lei Wang, Wen-Cai Ye and Zhong-Ping Yao

From *Scientific Reports*, **2013**, *3*, doi:10.1038/srep02104

Impact factor: 2.927

Page 66

24. Synthesis of 3-Cyanoindole Derivatives Mediated by Copper(I) Iodide Using Benzyl Cyanide

By On Ying Yuen, Pui Ying Choy, Wing Kin Chow, Wing Tak Wong and Fuk Yee Kwong

From *J. Org. Chem.*, **2013**, *78* (7), 3374–3378.

Impact factor: 4.564

Page 67

25. In vivo antitumour activity of amphiphilic silicon(IV) phthalocyanine with axially ligated rhodamine B

By Zhixin Zhao, Roberto Gambari, Kenneth Ka-Ho Lee, Stanton Hon-Lung Ko, Raymond Siu-Ming Wong, Fung-Yi Lau, Johnny Cheuk-On Tang, Kim-Hung Lam, Chor-Hing Cheng, Desmond Kwok Po Hau, Chung-Hin Chui, Wai-Yeung Wong and Wai-Kwok Wong

From *Bioorganic & Medicinal Chemistry Letters*, **2013**, *23* (8), 2373–2376.

Impact factor: 2.338

Page 68

26. A Dopamine Electrochemical Sensor Based on Molecularly Imprinted Poly(acrylamidophenylboronic acid) Film

By Shuangjin Hong, Lawrence Yoon Suk Lee, Ming-Him So, Kwok-Yin Wong

From *Electroanalysis*, **2013**, 25 (4), 1085–1094.

Impact factor: 2.817

Page 69

27. Recent Advances in Asymmetric Organocatalytic Construction of 3,3'-Spirocyclic Oxindoles

By Liang Hong and Rui Wang

From *Advanced Synthesis & Catalysis*, **2013**, 355 (6), 1023–1052.

Impact factor: 5.535

Page 70

28. Structure-activity Relationship Study of Permethylningalin B Analogues as P-glycoprotein Chemosensitizer

By wen bin Jin, Iris L K Wong, Xuesen Hu, zhang xiao yu, li fu xing, Tao Jiang, Larry M C Chow, and sheng biao Wan

From *J. Med. Chem.*, **2013**, 56 (22), 9057-9070.

Impact factor: 5.614

Page 71

29. A Nanobody Binding to Non-Amyloidogenic Regions of the Protein Human Lysozyme Enhances Partial Unfolding but Inhibits Amyloid Fibril Formation

By Erwin De Genst, Pak-Ho Chan, Els Pardon, Shang-Te D. Hsu, Janet R. Kumita, John Christodoulou, Linda Menzer, Dimitri Y. Chirgadze, Carol V. Robinson, Serge Muyldermans, André Matagne, Lode Wyns, Christopher M. Dobson and Mireille Dumoulin

From *J. Phys. Chem. B*, **2013**, 117 (42), 13245–13258.

Impact factor: 3.607

Page 72

30. Identification of a New Class of FtsZ Inhibitors by Structure-Based Design and in Vitro Screening

By Fung-Yi Chan, Ning Sun, Marco A. C. Neves, Polo Chun-Hung Lam, Wai-Hong Chung, Lai-King Wong, Ho-Yin Chow, Dik-Lung Ma, Pak-Ho Chan, Yun-Chung Leung, Tak-Hang Chan, Ruben Abagyan and Kwok-Yin Wong

From *J. Chem. Inf. Model.*, **2013**, 53 (8), 2131–2140.

Impact factor: 4.304

Page 73

31. A decade advancement of transition metal-catalyzed borylation of aryl halides and sulfonates

By Wing Kin Chow, On Ying Yuen, Pui Ying Choy, Chau Ming So, Chak Po Lau, Wing Tak Wong and Fuk Yee Kwong

From *RSC Advances*, **2013**, 3, 12518-12539.

Impact factor: 2.562

Page 74

32. N-terminal α -amino group modification of peptides by an oxime formation–exchange reaction sequence

By Karen Ka-Yan Kung, Kong-Fan Wong, King-Chi Leung and Man-Kin Wong

From *Chem. Commun.*, **2013**, 49, 6888-6890.

Impact factor: 6.378

Page 75

33. The Quinine Thiourea-Catalyzed Asymmetric Strecker Reaction: An Approach for the Synthesis of 3-Aminooxindoles

By Dong Wang, Jinyan Liang, Jingchao Feng, Kairong Wang, Quantao Sun, Long Zhao, Dan Li, Wenjin Yan and Rui Wang

From *Advanced Synthesis & Catalysis*, **2013**, 355 (2-3), 548–558.

Impact factor: 5.535

Page 76

34. Palladium-catalyzed oxidative direct C–H/C–H cross coupling of anilides with β -keto esters

By Wai-Wing Chan, Zhongyuan Zhou and Wing-Yiu Yu

From *Chem. Commun.*, **2013**, 49, 8214-8216.

Impact factor: 6.378

Page 77

35. [Cp*RhCl₂]₂-catalyzed ortho-C–H bond amination of acetophenone o-methyloximes with primary N-chloroalkylamines: convenient synthesis of N-alkyl-2-acylanilines

By Ka-Ho Ng , Zhongyuan Zhou and Wing-Yiu Yu

From *Chem. Commun.* **2013**, 49, 7031-7033.

Impact factor: 6.378

Page 78

36. Mild Metal-Free Intramolecular Oxidative Alkylation of a C_{sp3}–H Bond Adjacent to a Nitrogen Atom: A Versatile Approach to Ring-Fused Tetrahydroquinolines

By Gen Zhang, Shoulei Wang, Yunxia Ma, Weidong Kong, Rui Wang

From *Advanced Synthesis & Catalysis* **2013**, 355 (5), 874-879.

Impact factor: 5.535

Page 79

37. The Enantioselective Formal Synthesis of Rhynchophylline and Isorhynchophylline

By Hailong Zhang, Xiaozhou Ma, Hong Kang, Liang Hong, and Rui Wang

From *Chemistry – An Asian Journal* **2013**, 8 (3), 542-545.

Impact factor: 4.572

Page 80

38. A novel fluorescent biosensor for detection of target DNA fragment from the transgene cauliflower mosaic virus 35S promoter

By Bin Qiu, Ya-shan zhang, Yi-bing Lin, Yu-Jing Lu, Zhen-yu Lin, Kwok-Yin Wong, Guo-nan Chen

From *Biosensors and Bioelectronics* **2013**, 41, 168-171.

Impact factor: 5.437

Page 81

39. Mass spectrometry: towards in vivo analysis of biological systems

By Pui-Kin So, Bin Hu and Zhong-Ping Yao

From *Mol. BioSyst.* **2013**, 9, 915-929.

Impact factor: 3.350

Page 82