

附录一：2012 年度手性科学国家重点实验室文献发表总结

期刊	數量	2011 年 影響因子
<i>Angewandte Chemie, International Edition</i>	1	13.455
<i>Mass Spectrometry Reviews</i>	1	10.461
<i>Journal of the American Chemical Society</i>	1	9.907
<i>Autophagy</i>	1	7.453
<i>Nature Communications</i>	1	7.396
<i>Chemical communications</i>	4	6.169
<i>Chemistry A European Journal</i>	1	5.925
<i>Organic Letters</i>	2	5.862
<i>Journal of Medicinal Chemistry</i>	2	5.248
<i>ChemCatChem</i>	1	5.207
<i>Journal of Chemical Information and Modeling</i>	1	4.675
<i>Inorganic Chemistry</i>	1	4.601
<i>Analytica Chimica Acta</i>	2	4.555
<i>Journal of Organic Chemistry</i>	1	4.450
<i>Analyst</i>	1	4.230
<i>Chemistry An Asian Journal</i>	1	4.188
<i>Organic &amp; Biomolecular Chemistry</i>	5	3.696
<i>European Journal of Medicinal Chemistry</i>	1	3.346
<i>European Journal of Organic Chemistry</i>	1	3.329
<i>Synlett</i>	4	2.710
<i>Tetrahedron Letters</i>	2	2.683
<i>Canadian Journal of Chemistry</i>	1	1.242
<i>Journal of Carbohydrate Chemistry</i>	1	0.631
<i>RSC Advances</i>	1	Not available
Book	1	Not available

2012 年發表的文獻 (共 39 篇)

**1. Synthesis of a Novel Series of (E,E)-4,6-bis(styryl)-2-O-Glucopyranosyl-Pyrimidines and Their Potent Multidrug Resistance (MDR) Reversal Activity Against Cancer Cells**

By Lei Gao, Qian Liu, Sumei Ren, Shengbiao Wan, Tao Jiang, Iris L. K. Wong, Larry M. C. Chow & Shixi Wang

From *Journal of Carbohydrate Chemistry*, **2012**, *31*, 620-633.

Impact factor: 0.631

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**2. Intramolecular Direct C-H Bond Arylation from Aryl Chlorides: A Transition-Metal-Free Approach for Facile Access of Phenanthridines**

By Wu, YINUO; Wong, Shun Man; Mao, Fei; Chan, Tek Long; Kwong, Fuk Yee

From *Organic Letters* **2012**, *14*, 5306-5309.

Impact factor: 5.862

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**3. Palladium-catalyzed direct arylation of polyfluoroarenes with aryl tosylates and mesylates**

By Lee, Dong Sheng; Choy, Pui Ying; So, Chau Ming; Wang, Jun; Lau, Chak Po; Kwong, Fuk Yee

From *RSC Advances* **2012**, *2*, 9179-9182.

Impact factor: Not yet available

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**4. Buchwald-Hartwigamination of aryl chlorides catalyzed by easily accessible benzimidazolyl phosphine-Pd complexes**

By Chung, Kin Ho; So, Chau Ming; Wong, Shun Man; Luk, Chi Him; Zhou, Zhongyuan; Lau, Chak Po; Kwong, Fuk Yee

From *Synlett* **2012**, *23*, 1181-1186.

Impact factor: 2.710

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**5. The recent development of phosphine ligands derived from 2-phosphino-substituted heterocycles and their applications in palladium-catalyzed cross-coupling reactions**

By Wong, Shun Man; So, Chau Ming; Kwong, Fuk Yee

From *Synlett* **2012**, 23, 1132-1153.

Impact factor: 2.710

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### **6. Asymmetric Hydroalkynylation of Norbornadienes Promoted by Chiral Iridium Catalysts**

By Fan, Bao-Min; Yang, Qing-jing; Hu, Jun; Fan, Cai-ling; Li, Si-feng; Yu, Lu; Huang, Chao; Tsang, Wing Wai; Kwong, Fuk Yee

From *Angewandte Chemie, International Edition* **2012**, 51, 7821-7824.

Impact factor: 13.455

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### **7. An Efficient Class of P,N-Type "PhMezole-phos" Ligands: Applications in Palladium-Catalyzed Suzuki Coupling of Aryl Chlorides**

By Wong, Shun Man; So, Chau Ming; Chung, Kin Ho; Lau, Chak Po; Kwong, Fuk Yee

From *European Journal of Organic Chemistry* **2012**, 22, 4172-4177.

Impact factor: 3.329

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### **8. P,N-Type benzimidazolyl phosphine ligands for the palladium-catalyzed Suzuki coupling of potassium aryltrifluoroborates and aryl chlorides**

By Wong, Shun Man; So, Chau Ming; Chung, Kin Ho; Luk, Chi Him; Lau, Chak Po; Kwong, Fuk Yee

From *Tetrahedron Letters* **2012**, 53, 3754-3757.

Impact factor: 2.683

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### **9. Advances and Applications in Organocatalytic Asymmetric aza-Michael Addition**

By Wang, Jun; Li, Pengfei; Choy, Pui Ying; Chan, Albert S. C.; Kwong, Fuk Yee

From *ChemCatChem* **2012**, 4, 917-925.

Impact factor: 5.207

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### **10. Catalyst-free efficient aza-michael addition of azoles to nitroalkenes**

By Wu, Yinuo; Wang, Jun; Li, Pengfei; Kwong, Fuk Yee

From *Synlett* **2012**, 23, 788-790.

Impact factor: 2.710

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**11. Catalyst-free aza-Michael addition of azole to  $\beta,\gamma$ -unsaturated- $\alpha$ -keto ester: an efficient access to C-N bond formation**

By Wang, Jun; Li, Peng-Fei; Chan, SauHing; Chan, Albert S. C.; Kwong, Fuk Yee

From *Tetrahedron Letters* **2012**, *53*, 2887-2889.

Impact factor: 2.683

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**12. Carbon-Boron Bond Cross-Coupling Reaction Catalyzed by -PPh<sub>2</sub> Containing Palladium-Indolylphosphine Complexes**

By Chow, Wing Kin; Yuen, On Ying; So, Chau Ming; Wong, Wing Tak; Kwong, Fuk Yee

From *Journal of Organic Chemistry* **2012**, *77*, 3543-3548.

Impact factor: 4.450

Page 49

**13. Rapid differentiation of Panax ginseng and Panaxquinquefolius by matrix-assisted laser desorption/ionization mass spectrometry**

By Lai, Ying-Han; So, Pui-Kin; Lo, Samuel Chun-Lap; Ng, Eddy Wing Yin; Poon, Terence ChuenWai; Yao, Zhong-Ping

From *Analytica Chimica Acta* **2012**, *753*, 73-81.

Impact factor: 4.555

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**14. Direct ionization of biological tissue for mass spectrometric analysis**

By Hu, Bin; Lai, Ying-Han; So, Pui-Kin; Chen, Huanwen; Yao, Zhong-Ping

From *Analyst* **2012**, *137*, 3613-3619.

Impact factor: 4.230

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**15. Characterization of proteins by ambient mass spectrometry**

By Yao, Zhong-Ping

From *Mass Spectrometry Reviews* **2012**, *31*, 437-447.

Impact factor: 10.461

Page 52

**16. The BECN1 coiled coil domain: an "imperfect" homodimer interface that facilitates ATG14 and UVRAG binding**

By Li, Xiaohua; He, Liqiang; Zhang, Mingjie; Yue, Zhenyu; Zhao, Yanxiang

From *Autophagy* **2012**, *8*, 1258-1260.

Impact factor: 7.453

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**17. Flavonoid Dimers as Novel, Potent Antileishmanial Agents**

By Wong, Iris L. K.; Chan, Kin-Fai; Chan, Tak Hang; Chow, Larry M. C.

From *Journal of Medicinal Chemistry* **2012**, *55*, 8891-8902.

Impact factor: 5.248

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**18. Rh-Catalyzed Intermolecular Carbenoid Functionalization of Aromatic C-H Bonds by  $\alpha$ -Diazomalonates**

By Chan, Wai-Wing; Lo, Siu-Fung; Zhou, Zhongyuan; Yu, Wing-Yiu

From *Journal of the American Chemical Society* **2012**, *134*, 13565-13568.

Impact factor: 9.907

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**19. Ruthenium-catalyzed intramolecular cyclization of diazo- $\beta$ -ketoanilides for the synthesis of 3-alkylideneoxindoles**

By Chan, Wai-Wing; Kwong, Tsz-Lung; Yu, Wing-Yiu

From *Organic & Biomolecular Chemistry* **2012**, *10*, 3749-3755.

Impact factor: 3.696

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**20. Rhodium(III)-Catalyzed Intermolecular Direct Amination of Aromatic C-H Bonds with N-Chloroamines**

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

From *Organic Letters* **2012**, *14*, 272-275.

Impact factor: 5.862

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**21. A convenient synthesis of anthranilic acids by Pd-catalyzed direct intermolecular ortho-C-H amidation of benzoic acids**

By Ng, Ka-Ho; Ng, Fo-Ning; Yu, Wing-Yiu

From *Chemical communications* **2012**, *48*, 11680-11682.

Impact factor: 6.169

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**22. Ruthenium Terpyridine Complexes Containing a Pyrrole-Tagged 2,2'-Dipyridylamine Ligand-Synthesis, Crystal Structure, and Electrochemistry**

By Cheung, Kwong-Chak; Guo, Peng; So, Ming-Him; Zhou, Zhong-Yuan; Lee, Lawrence Yoon Suk; Wong, Kwok-Yin

From *Inorganic Chemistry* **2012**, *51*, 6468-6475.

Impact factor: 4.601

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**23. Validation of the AmpC  $\beta$ -Lactamase Binding Site and Identification of Inhibitors with Novel Scaffolds**

By Chan, Fung-Yi; Neves, Marco A. C.; Sun, Ning; Tsang, Man-Wah; Leung, Yun-Chung; Chan, Tak-Hang; Abagyan, Ruben; Wong, Kwok-Yin

From *Journal of Chemical Information and Modeling* **2012**, *52*, 1367-1375.

Impact factor: 4.675

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**24. Gold-catalyzed amide synthesis from aldehydes and amines in aqueous medium**

By Li, Gai-Li; Kung, Karen Ka-Yan; Wong, Man-Kin

From *Chemical Communications* **2012**, *48*, 4112-4114.

Impact factor: 6.169

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**25. Selective oxidation of unactivated C-H bonds by supramolecular control**

By Fung, Yat-Sing; Yan, Siu-Cheong; Wong, Man-Kin

From *Organic & Biomolecular Chemistry* **2012**, *10*, 3122-3130.

Impact factor: 3.696

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**26. Multifunctional bioconjugation by Morita-Baylis-Hillman reaction in aqueous medium**

By Li, Gai-Li; Kung, Karen Ka-Yan; Zou, Lan; Chong, Hiu-Chi; Leung, Yun-Chung; Wong, Ka-Hing; Wong, Man-Kin

From *Chemical Communications* **2012**, *48*, 3527-3529.

Impact factor: 6.169

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**27. Gold-mediated bifunctional modification of oligosaccharides via a three-component coupling reaction**

By Kung, Karen Ka-Yan; Li, Gai-Li; Zou, Lan; Chong, Hiu-Chi; Leung, Yun-Chung; Wong, Ka-Hing; Lo, Vanessa Kar-Yan; Che, Chi-Ming; Wong, Man-Kin

From *Organic & Biomolecular Chemistry* **2012**, *10*, 925-930.

Impact factor: 3.696

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**28. Asymmetric cyanation of nitroalkenes catalyzed by a salen–titanium catalyst**

By Li Lin, Wen Yin, Xu Fu, Jinlong Zhang, Xiaojuan Ma and Rui Wang

From *Organic & Biomolecular Chemistry* **2012**, *10*, 83-89.

Impact factor: 3.696

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**29. Nickel(II)-Dipyridylphosphine-Catalyzed EnantioselectiveHydrosilylation of Ketones in Air**

By Fei-Fei Wu, Ji-Ning Zhou, Qiang Fang, Yi-Hu Hu, Shijun Li, Xi-Chang Zhang, Albert S. C. Chan, and Jing Wu

From *Chemistry An Asian Journal* **2012**, *7*, 2527-2530.

Impact factor: 4.188

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**30. CuII-Catalyzed Asymmetric Hydrosilation of Diaryl- and Aryl Heteroaryl Ketones: Application in the Enantioselective Synthesis of Orphenadrine and Neobenodine**

By Yao-Zong Sui, Xi-Chang Zhang, Jun-Wen Wu, Shijun Li, Ji-Ning Zhou, Min Li, Wenjun Fang, Albert S. C. Chan, and Jing Wu

From *Chemistry A European Journal* **2012**, *18*, 7486-7492.

Impact factor: 5.925

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**31. Synthesis of methylated quercetin derivatives and their reversal activities on P-gp- and BCRP-mediated multidrug resistance tumour cells**

By Jian Yuan, Iris L.K. Wong, Tao Jiang, Si Wen Wang, Tao Liu, Bin Jin Wen, Larry M.C. Chow, Sheng Biao Wan

From *European Journal of Medicinal Chemistry* **2012**, 54, 413-422.

Impact factor: 3.346

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**32. Direct Oxidative C-H Arylation of Benzoxazoles with Arylsulfonylhydrazides Promoted by Palladium Complexes**

By On Ying Yuen, Chau Ming So, Wing Tak Wong, Fuk Yee Kwong

From *Synlett* **2012**, 23, 2714-2718.

Impact factor: 2.710

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**33. An efficient palladium–benzimidazolyl phosphine complex for the Suzuki–Miyaura coupling of aryl mesylates: facile ligand synthesis and metal complex characterization**

By Kin Ho Chung, Chau Ming So, Shun Man Wong, Chi Him Luk, Zhongyuan Zhou, Chak Po Lau and Fuk Yee Kwong

From *Chemical communications* **2012**, 48, 1967-1969.

Impact factor: 6.169

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**34. Recent advancement of catalytic Pauson-Khand-type reactions**

By Lain, FukLoi; Lee, Hang Wai; Wang, Jun; Kwong, Fuk Yee

Edited by Torres, Ramon Rios

From *Pauson-Khand Reaction* **2012**, 181-210.

Impact factor: (Book series, no impact factor is given)

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**35. Imperfect interface of Beclin1 coiled-coil domain regulates homodimer and heterodimer formation with Atg14L and UVRAG**

By Xiaohua Li, Liqiang He, Ka Hing Che, Sarah F. Funderburk, Lifeng Pan, Nina Pan, Mingjie Zhang, Zhenyu Yue, and Yanxiang Zhao

From *Nature Communications*, **2012**, 3, 1-11.

Impact factor: 7.396

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**36. Improved detection of phosphopeptides by negative ion matrix-assisted laser desorption/ionization mass spectrometry using a proton sponge co-matrix**



By Shu Zhang, Zhong-Ping Yao

From *Analytica Chimica Acta*, **2012**, 711, 77– 82.

Impact factor: 4.555

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**37. Amine Linked Flavonoid Dimers as Modulators for P-Glycoprotein-Based Multidrug Resistance: Structure–Activity Relationship and Mechanism of Modulation**

By Kin-Fai Chan, Iris L. K. Wong, Jason W. Y. Kan, Clare S. W. Yan, Larry M. C. Chow, and Tak Hang Chan

From: *J. Med. Chem.*, **2012**, 55, 1999–2014

Impact factor: 5.248

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**38. Gold-mediated bifunctional modification of oligosaccharides via a three-component coupling reaction**

By Karen Ka-Yan Kung, Gai-Li Li, Lan Zou, Hiu-Chi Chong, Yun-Chung Leung, Ka-Hing Wong, Vanessa Kar-Yan Lo, Chi-Ming Che, and Man-Kin Wong

From: *Org. Biomol. Chem.*, **2012**, 10, 925-930

Impact factor: 3.696

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**39. Recent development in functionalized ionic liquids as reaction media and promoters**

By Wing-Leung Wong and Kwok-Yin Wong

From *Canadian Journal of Chemistry*, **2012**, 90, 1-16.

Impact factor: 1.242

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