

附录一：2014 年度手性科学国家重点实验室文献发表总结

2014 年发表的文献共有 52 篇：

- 期刊影响因子大于 15 的有 1 篇；
- 期刊影响因子大于 5 的共有 13 篇；
- 期刊影响因子大于 3 的共有 36 篇。

Total 52 publications for Year 2014:

- 1 article published in Journal with Impact factor greater than 15;
- 13 articles published in Journal with Impact factor greater than 5;
- 36 articles published in Journal with Impact factor greater than 3.

期刊 Journal	数量 No. of publication	2014 年 影响因子 2014 impact factor
<i>Advanced materials</i>	1	15.409
<i>Nucleic acids research</i>	1	8.808
<i>PLoS genetics</i>	1	8.167
<i>Journal of Controlled Release</i>	1	7.261
<i>Chemical communications</i>	3	6.718
<i>Journal of Materials Chemistry B</i>	1	6.626
<i>Biosensors and Bioelectronics</i>	1	6.451
<i>Chemistry A European Journal</i>	2	5.696
<i>Advanced Synthesis & Catalysis</i>	1	5.542
<i>ChemCatChem</i>	1	5.044
<i>Analytica Chimica Acta</i>	4	4.517
<i>Antimicrobial Agents and Chemotherapy</i>	2	4.451
<i>Colloids and Surfaces, B: Biointerface</i>	1	4.287
<i>Dalton Transactions</i>	1	4.097
<i>Frontiers in microbiology</i>	2	3.941
<i>Chemistry - An Asian Journal</i>	1	3.935
<i>RSC Advances</i>	3	3.708
<i>Applied Catalysis A: General</i>	1	3.674

<i>PLoS ONE</i>	2	3.534
<i>Organic & Biomolecular Chemistry</i>	2	3.487
<i>Biochemistry</i>	1	3.194
<i>Journal of The American Society for Mass Spectrometry</i>	1	3.193
<i>European Journal of Organic Chemistry</i>	2	3.154
<i>Phytomedicine</i>	1	2.877
<i>Bioscience Reports</i>	1	2.853
<i>Chemical Biology & Drug Design</i>	1	2.507
<i>Synlett</i>	1	2.463
<i>Synthesis</i>	1	2.443
<i>Phytotherapy Research</i>	1	2.397
<i>Tetrahedron Letters</i>	1	2.391
<i>Bioorganic & Medicinal Chemistry Letters</i>	1	2.331
<i>Asian Journal of Organic Chemistry</i>	1	2.292
<i>Tetrahedron: Asymmetry</i>	1	2.165
<i>The Journal of Antibiotics</i>	1	2.041
<i>Journal of Microencapsulation</i>	1	1.878
<i>Acta crystallographica. Section E, Structure reports online</i>	1	0.350
<i>Mass Spectrometry</i>	1	pending
<i>Organic Chemistry Frontiers</i>	1	pending
<i>International Journal of Chemical Engineering</i>	1	pending
合计	52	

1. A Direct C-H Arylation of Unactivated Arenes Promoted by Mixed Potassium Alkoxides
By Yinuo Wu, Pui Ying Choy and Fuk Yee Kwong
From *Asian Journal of Organic Chemistry* **2014**, 3 (12), 1262-1265.
Impact factor: 2.292 Page 47
2. Iron-Catalyzed S-Arylation of Benzothiazole with Aryl Iodides under Aqueous Medium: Facile Synthesis of Aryl(2-aminoaryl) Sulfides
By Hang Wai Lee, Ka Fu Yung and Fuk Yee Kwong
From *Synlett* **2014**, 25 (19), 2743-2747.
Impact factor: 2.463 Page 48
3. Structure-based Design, Synthesis, and Biological Evaluation of Isatin Derivatives as Potential Glycosyltransferase Inhibitors
By Yong Wang, Fung-Yi Chan, Ning Sun, Hok-Kiu Lui, Pui-Kin So, Siu-Cheong Yan, Kin-Fai Chan, Jiachi Chiou, Sheng Chen, Ruben Abagyan, Yun-Chung Leung and Kwok-Yin Wong
From *Chemical Biology & Drug Design* **2014**, 84 (6), 685-696.
Impact factor: 2.507 Page 49
4. Microencapsulation-protected l-ascorbic acid for the application of human epithelial HaCaT cell proliferation
By P.-L. Lam, S. H.-L. Kok, Z.-X. Bian, K.-H. Lam, R. Gambari, K. K.-H. Lee, and C.-H. Chui
From *Journal of Microencapsulation* **2014**, 31 (8), 754-758.
Impact factor: 1.878 Page 50
5. Fluorescent TEM-1 β -lactamase with wild-type activity as a rapid drug sensor for in vitro drug screening
By Wing-Lam Cheong, Ming-San Tsang, Pui-Kin So, Wai-Hong Chung, Yun-Chung Leung and Pak-Ho Chan
From *Bioscience Reports* **2014**, 34 (5), 523-533.

6. Rational design of berberine-based FtsZ inhibitors with broad-spectrum antibacterial activity
By Ning Sun, Fung-Yi Chan, Yu-Jing Lu, Marco A. C. Neves, Hok-Kiu Lui, Yong Wang, Ka-Yan Chow, Kin-Fai Chan, Siu-Cheong Yan, Yun-Chung Leung, Ruben Abagyan, Tak-Hang Chan, Kwok-Yin Wong
From *PLoS ONE* **2014**, 9(5): e97514. doi: 10.1371/journal.pone.0097514
Impact factor: 3.534 Page 52

7. Silver-Catalyzed Transformation of Propargylic Amine N-Oxides to Enones and Acyloxy Ketones via Isoxazolinium Intermediates
By Jian-Fang Cui, Karen Ka-Yan Kung, Hok-Ming Ko, Tsz-Wai Hui and Man-Kin Wong
From *Advanced Synthesis & Catalysis* **2014**, 356, 2965-2973.
Impact factor: 5.542 Page 53

8. Cyclometalated gold(III) complexes for chemoselective cysteine modification via ligand controlled C–S bond-forming reductive elimination
By Karen Ka-Yan Kung, Hok-Ming Ko, Jian-Fang Cui, Hiu-Chi Chong, Yun-Chung Leung and Man-Kin Wong
From *Chemical Communications* **2014**, 50, 11899-11902.
Impact factor: 6.718 Page 54

9. Preparation and characterization of bio-safe activated charcoal derived from coffee waste residue and its application for removal of lead and copper ions
By Po-Ting Yeung, Po-Yee Chung, Hing-Cheung Tsang, Johnny Cheuk-On Tang, Gregory Yin-Ming Cheng, Roberto Gambari, Chung-Hin Chui and Kim-Hung Lam
From *RSC Advances* **2014**, 4, 38839-38847.
Impact factor: 3.708 Page 55

10. In Vitro and In Vivo Efficacy of Novel Flavonoid Dimers against Cutaneous Leishmaniasis
By Iris L. K. Wong, Kin-Fai Chan, Yun-Fu Chen, Zhao-Rong Lun, Tak Hang Chan and Larry M. C. Chow
From *Antimicrobial Agents and Chemotherapy* **2014**, 58 (6), 3379-3388.
Impact factor: 4.451 Page 56
11. Electrospray Ionization on Solid Substrates
By Pui-Kin So, Bin Hu and Zhong-Ping Yao
From *Mass Spectrometry* **2014**, 3, S0028/1-S0028/8.
Impact factor: Pending Page 57
12. Rapid analysis of raw solution samples by C18 pipette-tip electrospray ionization mass spectrometry
By Haixing Wang, Pui-Kin So, Tsz-Tsun Nga and Zhong-Ping Yao
From *Analytica Chimica Acta* **2014**, 844, 1-7.
Impact factor: 4.517 Page 58
13. Perturbing the General Base Residue Glu166 in the Active Site of Class A β -Lactamase Leads to Enhanced Carbapenem Binding and Acylation
By Xuehua Pan, Wai-Ting Wong, Yunjiao He, Yongwen Jiang and Yanxiang Zhao
From *Biochemistry* **2014**, 53 (33), 5414-5423.
Impact factor: 3.194 Page 59
14. Hydrogen bond donor–acceptor–donor organocatalysis for conjugate addition of benzylidene barbiturates via complementary DAD–ADA hydrogen bonding
By Franco King-Chi Leung, Jian-Fang Cui, Tsz-Wai Hui, Zhong-Yuan Zhou and Man-Kin Wong
From *RSC Advances* **2014**, 4 (51), 26748-26756.
Impact factor: 3.708 Page 60

15. Palladium-catalyzed reductive cleavage of tosylated arenes using isopropanol as the mild reducing agent
By Wing Kin Chow, Chau Ming So, Chak Po Lau and Fuk Yee Kwong
From *Organic Chemistry Frontiers* **2014**, 1 (5), 464-467.
Impact factor: Pending Page 61
16. Rhodium(III)-catalyzed formal oxidative [4 + 1] cycloaddition of benzohydroxamic acids and α -diazoesters. A facile synthesis of functionalized benzolactams
By Hon-Wah Lam, Ka-Yi Man, Wai-Wing Chan, Zhongyuan Zhou and Wing-Yiu Yu
From *Organic & Biomolecular Chemistry* **2014**, 12 (24), 4112-4116.
Impact factor: 3.487 Page 62
17. A Simple and Direct Method for the Palladium-Catalyzed Oxidative Coupling of Unactivated Allylarenes with Classic Arenes
By Weiwei Jin, Wing-Tak Wong and Ga-Lai Law
From *ChemCatChem* **2014**, 6 (6), 1599-1603.
Impact factor: 5.044 Page 63
18. D-glucose as a modifying agent in gelatin/collagen matrix and reservoir nanoparticles for *Calendula officinalis* delivery
By P.-L. Lam, S.H.-L. Kok, Z.-X. Bian, K.-H. Lam, J.C.-O. Tang, K.K.-H. Lee, R. Gambarid and C.-H. Chui
From *Colloids and Surfaces, B: Biointerfaces* **2014**, 117, 277-283.
Impact factor: 4.287 Page 64
19. Anti-tumour and pharmacokinetics study of 2-Formyl-8-hydroxy-quinolinium chloride as *Galipea longiflora* alkaloid analogue
By Kim-Hung Lam, Kenneth Ka-Ho Lee, Roberto Gambari, Stanton Hon-Lung Kok, Tsz-Wai Kok, Albert Sun-Chi Chan, Zhao-Xiang Bian, Wai-Yeung Wong,

Raymond Siu-Ming Wong, Fung-Yi Lau, See-Wai Tong, Kit-Wah Chan, Chor-Hing Cheng, Chung-Hin Chui and Johnny Cheuk-On Tang

From *Phytomedicine* **2014**, *21* (6), 877-882.

Impact factor: 2.877

Page 65

20. The development of chitosan based microcapsules as delivery vehicles for orally administered daunorubicin

By P.-L. Lam, K. K.-H. Lee, Y.-W. Ho, R. S.-M. Wong, S.-W. Tong, C.-H. Cheng, K.-H. Lam, J. C.-O. Tang, Z.-X. Bian, R. Gambari, S. H.-L. Kok and C.-H. Chui
From *RSC Advances* **2014**, *4* (27), 14109-14114.

Impact factor: 3.708

Page 66

21. [RhIII(Cp*)]-Catalyzed ortho-Selective Direct C(sp²)-H Bond

Amidation/Amination of Benzoic Acids by N-Chlorocarbamates and N-Chloromorpholines. A Versatile Synthesis of Functionalized Anthranilic Acids
By Fo-Ning Ng, Zhongyuan Zhou and Wing-Yiu Yu

From *Chemistry - A European Journal* **2014**, *20* (15), 4474-4480.

Impact factor: 5.696

Page 67

22. Advanced progress of microencapsulation technologies: In vivo and in vitro models for studying oral and transdermal drug deliveries

By P.L. Lam and R. Gambari

From *Journal of Controlled Release* **2014**, *178*, 25-45.

Impact factor: 7.261

Page 68

23. A green catalysis of CO₂ fixation to aliphatic cyclic carbonates by a new ionic liquid system

By Wing-Leung Wong, Lawrence Yoon Suk Lee, Kam-Piu Ho, Zhong-Yuan Zhou, Ting Fan, Zhenyang Lin and Kwok-Yin Wong

From *Applied Catalysis, A: General* **2014**, *472*, 160-166.

Impact factor: 3.674

Page 69

24. Electrospray ionization with aluminum foil: A versatile mass spectrometric technique
By Bin Hu, Pui-Kin So and Zhong-Ping Yao
From *Analytica Chimica Acta* **2014**, *817*, 1-8.
Impact factor: 4.517 Page 70
25. Development of ruthenium(II) complexes as topical antibiotics against methicillin resistant *Staphylococcus aureus*
By P.-L. Lam, G.-L. Lu, K.-M. Hon, K.-W. Lee, C.-L. Ho, X. Wang, J. C.-O. Tang, K.-H. Lam, R. S.-M. Wong, S. H.-L. Kok, Z.-X. Bian, H. Li, K. K.-H. Lee, R. Gambari, C.-H. Chui and W.-Y. Wong
From *Dalton Transactions* **2014**, *43* (10), 3949-3957.
Impact factor: 4.097 Page 71
26. Direct analysis of herbal powders by pipette-tip electrospray ionization mass spectrometry
By Haixing Wang, Pui-Kin So and Zhong-Ping Yao
From *Analytica Chimica Acta* **2014**, *809*, 109-116.
Impact factor: 4.517 Page 72
27. Preparation of 8-hydroxyquinoline derivatives as potential antibiotics against *Staphylococcus aureus*
By Kim-Hung Lam, Roberto Gambari, Kenneth Ka-Ho Lee, Yi-Xin Chen, Stanton Hon-Lung Kok, Raymond Siu-Ming Wong, Fung-Yi Lau, Chor-Hing Cheng, Wai-Yeung Wong, Zhao-Xiang Bian, Albert Sun-Chi Chan, Johnny Cheuk-On Tang and Chung-Hin Chui
From *Bioorganic & Medicinal Chemistry Letters* **2014**, *24* (1), 367-370.
Impact factor: 2.331 Page 73
28. Palladium-Catalyzed Cross-Dehydrogenative Functionalization of C(sp²)-H Bonds
By Yinuo Wu, Jun Wang, Fei Mao and Fuk Yee Kwong

From *Chemistry - An Asian Journal* **2014**, 9 (1), 26-47.

Impact factor: 3.935

Page 74

29. Characterization of the commercially-available fluorescent chloroquine-BODIPY conjugate, LynxTag-CQGREEN, as a marker for chloroquine resistance and uptake in a 96-well plate assay

By Cheryl C. Y. Loh, Rossarin Suwanarusk, Yan Quan Lee, Kitti W. K. Chan, Kit-Ying Choy, Laurent Rénia, Bruce Russell, Martin J. Lear, François H. Nosten, Kevin S. W. Tan and Larry M. C. Chow

From *PloS one* **2014**, 9 (10), e110800.

Impact factor: 3.534

Page 75

30. PMQR genes *oqxAB* and *aac(6⁺)Ib*-cracelerate the development of fluoroquinolone resistance in *Salmonella typhimurium*

By Marcus H. Wong, Edward W. Chan, Li Z. Liu and Sheng Chen

From *Frontiers in microbiology* **2014**, 5, 521.

Impact factor: 3.941

Page 76

31. Suppression of subtelomeric VSG switching by *Trypanosoma brucei* TRF requires its TTAGGG repeat-binding activity

By Sanaa E. Jehi, Xiaohua Li, Ranjodh Sandhu, Fei Ye, Imaan Benmerzouga, Mingjie Zhang, Yanxiang Zhao and Bibo Li

From *Nucleic acids research* **2014**, 42 (20), 12899-12911.

Impact factor: 8.808

Page 77

32. Antimicrobial activity of a quinuclidine-based FtsZ inhibitor and its synergistic potential with β -lactam antibiotics

By Fung-Yi Chan, Ning Sun, Yun-Chung Leung and Kwok-Yin Wong

From *The Journal of Antibiotics* **2014**, doi:10.1038/ja.2014.140

Impact factor: 2.041

Page 78

33. Beclin 1 is required for neuron viability and regulates endosome pathways via the UVRAG-VPS34 complex
By Nicole C. McKnight, Yun Zhong, Mitchell S. Wold, Shiaoqing Gong, Greg R. Phillips, Zhixun Dou, Yanxiang Zhao, Nathaniel Heintz, Wei-Xing Zong and Zhenyu Yue
From *PLoS genetics* **2014**, *10* (10), e1004626.
Impact factor: 8.167 Page 79
34. N,N'-(Ethane-1,2-di-yl)bis-(methane-sulfon-amide)
By Wesley Ting Kwok Chan, Ka Yan Karen Kung and Man-kin Wong
From *Acta crystallographica. Section E, Structure reports online* **2014**, *70* (Pt 2), o152.
Impact factor: 0.350 Page 80
35. Rapid identification of plant materials by wooden-tip electrospray ionization mass spectrometry and a strategy to differentiate the bulbs of *Fritillaria*
By Gui-Zhong Xin, Bin Hu, Zi-Qi Shi, Yin Ching Lam, Tina Ting-Xia Dong, Ping Li, Zhong-Ping Yao and Karl W.K. Tsim
From *Analytica chimica acta* **2014**, *820*, 84-91.
Impact factor: 4.517 Page 81
36. Significant enhancement in photocatalytic reduction of water to hydrogen by Au/Cu₂ZnSnS₄ nanostructure
By Enna Ha, Lawrence Yoon Suk Lee, Jingchuan Wang, Fenghua Li, Kwok-Yin Wong and Shik Chi Edman Tsang
From *Advanced materials* **2014**, *26* (21), 3496-500.
Impact factor: 15.409 Page 82
37. Oxidative cross-dehydrogenative coupling between N-aryl tetrahydroisoquinolins and 5H-oxazol-4-ones through two methodologies: copper catalysis or a metal-free strategy
By Xihong Liu, Jinlong Zhang, Shixiong Ma, Yunxia Ma and Rui Wang

From *Chemical Communications* **2014**, 50 (99), 15714-15717.

Impact factor: 6.718

Page 83

38. Molecular Mechanisms of Substrate Recognition and Specificity of New Delhi Metallo- β -Lactamase

By Jiachi Chiou, Thomas Yun-Chung Leung and Sheng Chen

From *Antimicrobial Agents and Chemotherapy* 2014, 58 (9), 5372-5378.

Impact factor: 4.451

Page 84

39. Selection of target mutation in rat gastrointestinal tract *E. coli* by minute dosage of enrofloxacin

By Dachuan Lin, Kaichao Chen, Ruichao Li, Lizhang Liu, Jiubiao Guo, Wen Yao, Sheng Chen

From *Frontiers in microbiology* **2014**, 5, 468.

Impact factor: 3.941

Page 85

40. Direct intermolecular C–H arylation of unactivated arenes with aryl bromides catalysed by 2-pyridyl carbinol

By Yinuo Wu, Pui Ying Choy and Fuk Yee Kwong

From *Organic & Biomolecular Chemistry* **2014**, 12, 6820-6823.

Impact factor: 3.487

Page 86

41. Organocatalytic asymmetric aza-Michael addition of pyrazole to chalcone

By Pengfei Li, Fang Fang, Ji Chen and Jun Wang

From *Tetrahedron: Asymmetry* **2014**, 25 (1), 98–101.

Impact factor: 2.165

Page 87

42. Label-free detection of endocrine disrupting chemicals by integrating a competitive binding assay with a piezoelectric ceramic resonator

By Liang-sheng Hu, Chi-Chun Fong, Lan Zou, Wing-Leung Wong, Kwok-Yin Wong, Rudolf S.S. Wu and Mengsu Yang

From *Biosensors and Bioelectronics* **2014**, *53*, 406-413.

Impact factor: 6.451

Page 88

43. Bifunctional up-converting lanthanide nanoparticles for selective in vitro imaging and inhibition of cyclin D as anti-cancer agents

By Chi-Fai Chan, Ming-Kiu Tsang, Hongguang Li, Rongfeng Lan, Frances L. Chadbourne, Wai-Lun Chan, Ga-Lai Law, Steven L. Cobb, Jianhua Hao, Wing-Tak Wong and Ka-Leung Wong

From *Journal of Materials Chemistry B* **2014**, *2*, 84-91

Impact factor: 6.626

Page 89

44. Sensitization of Hep3B hepatoma Cells to Cisplatin and Doxorubicin by Corilagin

By Roberto Gambari, Desmond Kwok-Po Hau, Wai-Yeung Wong and Chung-Hin Chui

From *Phytotherapy Research* **2014**, *28* (5), 781–783.

Impact factor: 2.397

Page 90

45. Effective Photodegradation of Methyl Orange Using Fluidized Bed Reactor Loaded with Cross-Linked Chitosan Embedded Nano-CdS Photocatalyst

By Wai Szeto, ChiWai Kan, C. W. M. Yuen, Shun-Wan Chan and Kim Hung Lam

From *International Journal of Chemical Engineering* **2014**, Article ID 270946, 16 pages <http://dx.doi.org/10.1155/2014/270946>

Impact factor: pending

Page 91

46. A General Suzuki–Miyaura Coupling of Aryl Chlorides with Potassium Aryltrifluoroborates- in Water Catalyzed by an Efficient CPCy Phendole-phos–Palladium Complex

By On Ying Yuen, Shun Man Wong, Kin Fai Chan, Chau Ming So and Fuk Yee Kwong

- From *Synthesis* **2014**, 46 (20), 2826-2832.
Impact factor: 2.443 Page 92
47. Palladium-catalyzed oxidative C–H bond acylation of N-nitrosoanilines with toluene derivatives: a traceless approach to synthesize N-alkyl-2-aminobenzophenones
By Yinuo Wu, Ling-Jun Feng, Xiao Lu, Fuk Yee Kwong and Hai-Bin Luo
From *Chemical Communications* **2014**, 50, 15352-15354.
Impact factor: 6.718 Page 93
48. New simple primary amine–thiourea organocatalysts and their application in asymmetric conjugate addition
By Lu Yua and Pengfei Li
From *Tetrahedron Letters* **2014**, 55 (27), 3697–3700.
Impact factor: 2.391 Page 94
49. Highly Enantioselective Ring-Opening Reactions of Aziridines with Indole and Its Application in the Building of C3-Halogenated Pyrroloindolines
By Dongxu Yang, Linqing Wang, Fengxia Han, Dan Li, Depeng Zhao, Yiming Cao, Yunxia Ma, Weidong Kong, Quantao Sun and Rui Wang
From *Chemistry - A European Journal* **2014**, 20 (50), 16478–16483,
Impact factor: 5.696 Page 95
50. Organocatalyzed Asymmetric 1,4-Addition of Azlactones to α,β -Unsaturated Trichloromethyl Ketones: Synthesis of α,α -Disubstituted α -Amino Acid Derivatives
By Jinlong Zhang, Xihong Liu, Chongyang Wu, Panpan Zhang, Jianbo Chen and Rui Wang
From *European Journal of Organic Chemistry* **2014**, 32, 7104–7108.
Impact factor: 3.154 Page 96

51. Phase-Transfer-Catalyst-Mediated Domino Reaction of γ -Nitro Ketones with Chalcones: Approach to Functionalized Six-Membered-Ring Carbocycles

By Lu Yu, Qingjing Yang and Pengfei Li

From *European Journal of Organic Chemistry* **2014**, 33, 7499–7504.

Impact factor: 3.154

Page 97

52. Pharmaceutical Analysis by Solid-Substrate Electrospray Ionization Mass Spectrometry with Wooden Tips

By Yunyun Yang, Jiewei Deng and Zhong-Ping Yao

From *Journal of The American Society for Mass Spectrometry* **2014**, 25 (1), 37-47.

Impact factor: 3.193

Page 98