李健维研究员简历

一、通讯地址

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二、教育背景：

2009.10-2014.3	荷兰格罗宁根大学 研究领域：系统化学 论文：复杂化学体系中的自组装研究 导师：Sijbren Otto 教授 论文评审委员会成员： David Leigh 教授，英国皇家科学院院士； Jan C.M. van Hest 教授； Syuzanna R.Harutyunyan 教授	博士学位
2006.9-2009.7	南开大学化学学院物理化学专业 研究领域：阴离子识别 论文：在水介质中的阴离子识别 导师：林华宽教授	硕士学位
2002.9-2006.7	华中农业大学理学院应用化学专业 研究论文：开发环境友好型高分子薄膜材料 导师：尹业平教授	学士学位

三、工作经历：

2016.9 至今	图尔库科学与医药研究所，博导，高级研究员 芬兰图尔库大学化学系，课题组组长
2014.8-2016.8	英国牛津大学化学系，博士后 研究领域：基于蛋白质纳米反应器中的单分子化学与催化研究 合作导师：Hagan Bayley 教授，英国皇家科学院院士
2014.4-2014.7	中国科学院北京化学研究所，高级访问学者 研究领域：有机太阳能光伏电池 合作导师：詹传郎研究员与姚建年院士

四、职务学术活动：

学术刊物审稿：Chem. Eur. J.；Chem. Comm.；Org. Lett.；J. Org. Chem.；Supra. Chem.

期刊编辑：Frontiers in Chemistry（客座主编）

五、所获科研奖励和荣誉：

2014.5	中国海外优秀自费留学生奖
2009.10-2013.10	荷兰格罗宁根大学 Ubbo Emmius 优秀博士生奖学金
2008.12	南开大学里昂奖学金
2006.7	湖北省优秀本科生毕业论文

六、讲授课程与助教经历：系统化学，超分子化学（研究生），物理化学(本科)

七、主要研究方向：

系统化学，化学生物学，非平衡态自组装

超分子多功能自组装材料，有机太阳能电池

蛋白质纳米孔技术，单分子化学和催化，

八、近五年来代表性论著（* 通讯作者，按年代降序排列）

21. Joongoo Lee, Arnold J. Boersma, Marc A. Boudreau, Stephen Cheley, Oliver Daltrop, **Jianwei Li**, Hiroko Tamagaki and Hagan Bayley, Semisynthetic Nanoreactor for Reversible Single-Molecule Covalent Chemistry, *ACS Nano.*, **2016**, *10*, 8843-8850. (影响因子：13.334)

20. Piotr Nowak, Mathieu Colomb-Delsuc, Sijbren Otto* and **Jianwei Li***, Template-Triggered Emergence of a Self-Replicator from a Dynamic Combinatorial Library, *J. Am. Chem. Soc.* **2015**, *137*, 10965-10969 (*Corresponding Authors) (影响因子：12.113)

19. **Jianwei Li**, Piotr Nowak, Sijbren Otto, An Allosteric Receptor by Simultaneous "Casting" and "Molding" in a Dynamic Combinatorial Library, *Angew. Chem. Int. Ed.* **2015**, *54*, 833-837. (影响因子：11.261)

18. **Jianwei Li**, Ivica Cvrtila, Mathieu Colomb-Delsuc, Edwin Otten, Sijbren Otto, An "Ingredients" Approach to Functional Self-Synthesizing Materials: A Metal-Ion-Selective, Multi-Responsive, Self-Assembled Hydrogel, *Chem. Eur. J.* **2014**, 48, 15709-15714. (影响因子：5.731)

17. **Jianwei Li**, Piotr Nowak, Hugo Fanlo-Virgós, Sijbren Otto, Catenanes from Catenanes: Quantitative Assessment of Cooperativity in Dynamic Combinatorial Catenantion, *Chem. Sci.* **2014**, *5*, 4968-4974. (影响因子: 9.211)

16. **Jianwei Li**, Piotr Nowak, Sijbren Otto, Dynamic Combinatorial Chemistry: From Exploring Molecular Recognition to Systems Chemistry, *J. Am. Chem. Soc.* **2013**, *135*, 9222-9239. (影响因子: 12.113)

15. **Jianwei Li**, Jacqui M. A. Carnall, Marc C. A. Stuart, Sijbren Otto, Hydrogel Formation upon Photoinduced Covalent Capture of Macrocycle Stacks for Dynamic Combinatorial Libraries, *Angew. Chem. Int. Ed.* **2011**, *50*, 8384-8386. (影响因子: 11.261)

九、其他代表性论著 （按年代降序排列）

14. Weiwei Huang, **Jianwei Li**, Hai Lin, Huakuan Lin, Study on the Selectivity of Anion Receptors by Adjusting the distance of Two Urea Fragments and their Analytical Application, *J. Incl. Phenom. Macrocycl. Chem.* **2011**, *69*, 101-106. (影响因子: 1.488)

13. Weiwei Huang, Hongyan Su, **Jianwei Li**, Hai Lin, Huakuan Lin, An Acetate Sensor based on Azo in Aqueous Media, *Spectrochimica Acta Part A,* **2010**, *77*, 146-149. (影响因子: 2.098)

12. Yaping Li, **Jianwei Li**, Hai Lin, Jie Shao, Zunsheng Cai, Huakuan Lin, A Novel Colorimetric Receptor Responding AcO^- Anions based on An Azo Derivative in DMSO and DMSO/Water Solution, *J. Lumin.* **2009**, *130*, 466-472. (影响因子: 2.719)

11. Hongyan Su, **Jianwei Li**, Hai Lin, Huakuan Lin, An Efficient Novel Anion Receptor based on Isatin for Acetate, *J. Braz. Chem. Soc.* **2010**, *21*, 541-545. (影响因子: 1.129)

10. **Jianwei Li**, Huamei Chen, Hai Lin and Huakuan Lin, A Simple Colorimetric Sensor for Biologically Important Anions based on Interamolecular Charge Transfer (ICT), *J. Photoch. Photobio. B,* **2009**, *97*, 18-21. (影响因子: 2.960)

09. **Jianwei Li**, Hai Lin, Zunsheng Cai, Huakuan Lin, A novel coumarin based switching-on fluorescent and colorimetric sensor for F^-, *J. Lumin.*, **2009**, *129*, 501-505. (影响因子: 2.719)

08. Xuefang Shang, **Jianwei Li**, Hai Lin, Ping Jiang, Zunsheng Cai and Huakuan Lin, Anion Recognition and Sensing of Ruthenium (II), Cobalt (II) Sulfonamido Complexes, *Dalton Trans.* **2009**, 2096-2102. (影响因子: 4.197)

07. **Jianwei Li**, Hai Lin and Huakuan Lin, Synthesis of an Anion Receptor for Acetate based on the Frame of Ferrocene, *J. Coord. Chem,* **2009**, *62*, 1921-1927. (影响因子: 2.012)

06. **Jianwei Li**, Hai Lin, Zunsheng Cai and Huakuan Lin, A High Selective Anion Colorimetric Sensor Based on Salicylaldehyde for Fluoride in Aqueous Media, *Spectrochimica Acta Part A,* **2009**, *72*, 1062-1065. (影响因子: 2.098)

05. **Jianwei Li,** Yuehong Wang, Hai Lin and Huakuan Lin, A Novel, Simple and

Colorimetric Receptor based on 2',4'-dinitrophenylhydrazone for Acetate Ion in Organic Medium, *J. Incl. Phenom. Macro.*, **2009**, *63*, 281-285. (影响因子: 1.488)

04. Huamei Chen, **Jianwei Li**, Hai Lin and Huakuan Lin, Colormetric and Fluorogenic anion sensors of 2'-(p-nitrophenyl)-imidazol[4',5'-f]-1,10-phenanthroline[5,6-f] and its Complex of $Ru(bipy)_2^{2+}$, *Supramol. Chem.* 2009, 21, 401-408. (影响因子: 2.394)

03. **Jianwei Li**, Hai Lin, Ping Jiang and Huakuan Lin, Study on Optical Recognition and Electrochemical Sensing of a 1,1'-ferrocenedicarbonylhydrazine Derivative for Fluoride *Appl. Organometal. Chem.* **2008**, *22*, 258-261. (影响因子: 2.248)

02. Jie Shao, Yuehong Wang, Hai Lin, **Jianwei Li** and Huakuan Lin, A Novel Indole Phenylhydrazone Receptor: Synthesis and Recognition for Acetate Anion, *Sensor Actuat. B: Chem.*, **2008**, *25*, 849-853. (影响因子: 4.097)

01. **Jianwei Li**, Hai Lin, Ping Jiang and Huakuan Lin, An Optical and Electrochemical Anion Sensor of F^- Investigated by Uv-vis, ^1H NMR and Cyclic voltammetry, *J. Incl. Phenom. Macro.* **2008**, *62*, 209-213. (影响因子: 1.488)

十、国际大会邀请口头报告和海报

1. 口头报告

"Engineering Protein Nanopore for Single-Molecule Chemistry" 2016, 13 Jan. 2016, Technische Universität Darmstadt, 德国.

"Dynamic Molecular Networks: from Bulk Solution to Nanocontainer" 1 Nov. 2015, 浙江大学第三届青年化学家论坛, 杭州, 中国.

"Interaction between Lipid Bilayer and Functional Membrane Protein" *Synthesis of Functional Module Symposium 2015,* 12 Aug. 2015, Aalto University, Helsinki, 芬兰.

"Self-assembly in Complex Chemical Systems" *Synthesis of Functional Module Symposium 2015*, 10 July. 2015, University of Basel, Basel, 瑞士.

"Ingredient Approach to Self-Synthesizing Materials" *MASC-12 RSC Macrocyclic and Supramolecular Chemistry Meeting*, 17 Dec. 2012, Queen Mary, University of London, London, 英国.

"Redox-Responsive Hydrogel Induced by Photo-Irradiation" *KNVC Organische Chemie Symposium 2012,* 11 Apr. 2012, Hof van Wageningen, Wageningen, 荷兰.

2. 会议海报

"Dynamic Combinatorial Self-Synthesizing Soft Materials" *ERC Grantees Conference 2012 Frontier Research in Chemistry*, 22 Nov. 2012, Strasbourg, 法国

"Dynamic Combinatorial Catenantion" *Organic Chemistry & Synthesis Study Group Meeting*, 22 Oct. 2012, Lunteren, 荷兰

“Molecule Evolution from Dynamic Complex Systems” *CHAINS (Chemistry As Innovating Science)*, 28 Nov. 2011, Maarssen, 荷兰

“Emergency of a “Russian-doll” Complex from a Dynamic Mixture” *The 4th International Summer School “Supramolecular Systems in Chemistry and Biology”* 12 Sep. 2011, Regensburg, 德国

“Quantitative Assessment of Catenantion” The *6th International Symposium on Macrocyclic & Supramolecular Chemistry*, 3 July 2011, Brighton, 英国