

您现在的位置: [首页](#) >> [师资队伍](#) >> [博士生导师](#) >> 正文

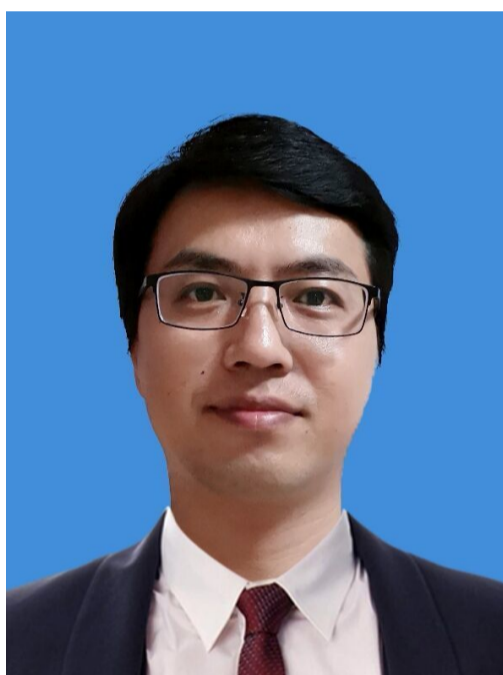
博士生导师

[整体情况](#)[博士生导师](#)[硕士生导师](#)[特聘专家](#)[其他教师](#)

博士生导师

李延伟 教授

来源: 作者: 发布时间: 2019-09-04 浏览次数: 4286



李延伟, 男, 汉族, 1979年10月生, 黑龙江省齐齐哈尔人。博士, 教授, 博士生导师, 广西科技项目评估咨询专家, 江西省科技项目评审专家, 广西化学化工学会第十届理事会理事, 中国化学会会员, 中国化工学会化工新材料委员会会员, 中国有色金属产业技术创新战略联盟专家委员会委员, 《辽宁石油化工大学学报》特邀编委, 《Metallurgical & Materials Engineering》编委, 桂林理工大学学术委员会成员。现在桂林理工大学化学与生物工程学院能源化学工程教研室从事教学与科研工作。

一、教育与工作经历

1998.09-2002.07, 辽宁石油化工大学化学工程与工艺专业本科生, 获工学学士学位;
2002.09-2004.07, 哈尔滨工业大学工业催化(电化学催化)硕士研究生, 获工学硕士学位;
2004.09-2007.07, 哈尔滨工业大学化学工程与技术博士研究生, 获工学博士学位;
2006.10-2007.03, 日本北海道大学(Hokkaido University)交换生;
2008.10-2011.09, 中南大学化学工程与技术博士后流动站, 从事绿色二次电池新材料研究;
2011.12-2012.12, 美国华盛顿大学(University of Washington, Seattle), 访问学者;
2007.07-今, 在桂林理工大学化学与生物工程学院任教, 2007年晋升为副研究员, 2008年被聘为硕士生导师, 2010年晋升为教授, 2017年被聘为博士生导师。

二、教学工作

本科教学: 主讲《物理化学》、《电化学测量技术》、《化学电源工艺学》、《电化学综合实验》等理论/实验课程, 指导本科生认识实习、技能实习、生产实习和毕业设计(论文)等实践课程。

研究生教学: 主讲《物质结构》和《分子科学计算基础》。

教学研究: 主持完成新世纪广西高等教育教学改革工程“十一五”第五批立项项目1项, 参加省级教改项目3项, 主持完成《计算机在化学工程中应用》多媒体教学软件项目1项, 参加完成《化工原理》网络课件项目1项, 发表教学改革研究论文10余篇。

教学和指导学生获奖:

- [1] 第一届桂林理工大学多媒体教学软件比赛三等奖(排序1)。
- [2] 第二届广西高校教育技术教学应用大赛“三等奖(排序2)。
- [3] 第七届广西高等教育教学软件大赛一等奖/最佳技术实现奖(排序2)。
- [4] 第九届全国多媒体教学课件大赛二等奖(排序2)。
- [5] 2017年广西高等教育自治区级教学成果奖二等奖(排序2)。
- [6] 2012年广西高等教育自治区级教学成果奖一等奖(排序4)。
- [7] 2012年被评为桂林理工大学第二届“十佳青年教师”。
- [8] 指导的本科生(杨庆霞)科技立项作品获“桂林理工大学2009年大学生科技成果”特等奖。
- [9] 指导的本科生(李玲等)科技立项作品获“2012年校级大学生科技成果”一等奖。
- [10] 指导的本科生(蒙金燕、李丽、吕豪)论文获“广西高校大学生化学化工类论文及设计竞赛”二等奖。
- [11] 指导的本科生(林红、韦丽成等)科技作品获“挑战杯”广西大学生课外学术科技作品竞赛决赛“二等奖2项。
- [12] 指导的本科生(任永刚等)创新创业项目获得2016年“创青春”广西大学生创业大赛银奖。
- [13] 指导的本科生(李丽)毕业论文获“2016年桂林理工大学百篇优秀本科毕业论文”1篇。
- [14] 指导的本科生(黎文娟)论文获“第十九届广西高校大学生化学化工类学术创新成果大赛”三等奖。
- [15] 指导的研究生(李月晓)荣获“2010年度全区优秀硕士研究生”。
- [16] 指导的研究生(温胜山)荣获“2014年国家奖学金”。

- [17] 指导的研究生(郑远远)在全国冶金院校2017年(材料、冶金、机械学科)研究生学术论坛中荣获优秀报告奖一等奖。
 [18] 指导的研究生毕业论文获桂林理工大学优秀硕士论文2人次(刘参政、郑远)。
 [19] 指导的研究生(郑远远、黄宇)获广西硕士研究生创新项目2项。

三、科研工作

主要从事化学电源新材料、电化学表面改性以及功能材料第一性原理计算研究。以第一作者或通讯作者在《Adv. Energy Mater.》、《Energy Storage Materials》、《J. Mater. Chem. A》、《J. Power Sources》、《Electrochim. Acta》、《Int. J. Hydrogen Energy》、《J. Phys. Chem. C》、《化工学报》等期刊发表科研论文80余篇,其中SCI/EI收录70余篇。在化学工业出版社出版专著1本,在原子能出版社出版学术专著1部,在美国NOVA SCIENCE出版社参加出版英文图书1部,在World Scientific出版社参加出版英文专著1部。

主持科研项目

- [1] 国家自然科学基金 (No. 51664012), 2017年1月-2020年12月;
- [2] 国家自然科学基金 (No. 51204061), 2013年1月-2015年12月;
- [3] 国家自然科学基金 (No. 21263003), 2013年1月-2016年12月;
- [4] 广西自然科学基金杰出青年科学基金(2015GXNSFGA139006), 2015年9月至2019年8月;
- [5] 广西高等学校千名中青年骨干教师培育计划培养对象, 2019年, 化学工程与技术;
- [6] 广西自然科学基金(2012GXNSFAA053026), 2012年6月至2015年5月;
- [7] 广西自然科学基金(桂科自 0991247), 2009年3月至2012年3月;
- [8] 中国博士后科学基金(第三批特别资助, 201003518), 2010年10月-2011年10月;
- [9] 中国博士后科学基金(面上一等资助, 20090450188), 2009年7月至2010年10月;
- [10] 中南大学博士后科学基金一等资助, 2009年3月至2010年10月;
- [11] 中国科学院可再生能源重点实验室开放基金(y507k61001), 2015年1月至2016年12月;
- [12] 新材料及其制备新技术广西区重点实验室开放基金(桂科能0842003-15), 2008年11月至2010年11月;
- [13] 电磁化学功能物质广西区重点实验室开基金(EMFM20181117), 2018年1月至2019年12月;
- [14] 企业(深圳浩维精密机械厂)委托横向项目, 电铸晶圆切割刀工艺开发及内应力调控研究, 2008年2月-2009年2月;
- [15] 企业(桂林市兴桂电器有限公司)委托横向项目, 电容式电压互感器出线套管的局部表面镀镍工艺的研究(编号: 2010198), 2010年7月至2010年12月。

科研获奖

- [1] 刘长久, **李延伟**, 尚伟, 姚金环. 高活性氢氧化镍电极材料的结构设计及性能研究, 主要完成单位: 桂林理工大学, 广西自然科学奖三等奖(证书编号: 2012-Z-3-008-02)。
- [2] **李延伟**, 姚金环. 2011年度广西自然科学优秀论文三等奖(论文题目: Effect of interlayer anions on the electrochemical performance of Al-substituted α -type nickel hydroxide electrodes; 证书编号: 桂-2011-087)。

出版著作

- [1] **李延伟**, 姚金环. 《氢氧化镍的微观结构设计及电化学储能性能特性》, 化学工业出版社, 2015年6月 (ISBN: 978-7-122-23615-9).
- [2] **李延伟**, 姚金环. 《有机分子电子材料结构及电子输运性质理论研究》原子能出版社, 2010年10月 (ISBN: 978-7-5022-5092-8).
- [3] **Yanwei Li**, Jinhuan Yao, Robert C. Massé, Evan Uchaker, and Guozhong Cao*. Revitalized interest in vanadium pentoxide as cathode material for alkali-ion batteries (CHAPTER 11, 453-580). In 《Nanomaterials for Energy Conversion and Storage》, Edited by: Dunwei Wang (Boston College, USA) and Guozhong Cao (University of Washington, USA), World Scientific Publishing Co Pte Ltd, January 2018. ISBN: 978-1-78634-362-8.
- [4] J.W. Zhao, **Y.W. Li**, H.M. Liu. Theoretical Simulation on Molecular Electronic Materials and Molecular Devices (Chapter 7, pp. 385-444). In 《Computational Materials》, Edited by Wilhelm U. Oster, Nova Science publishers, Inc, New York, 2009 2nd Quarter. ISBN: 978-1-60456-896-7.

主要科研论文 (*为通讯作者)

- [1] **Yanwei Li**, Jinhuan Yao, Evan Uchaker, Jianwen Yang, Yunxia Huang, Ming Zhang, and Guozhong Cao*. Leaf-like V_2O_5 Nanosheets Fabricated by a Facile Green Approach as High Energy Cathode Material for Lithium-Ion Batteries. *Advanced Energy Materials*, 2013, 3(9): 1171-1175. (SCI一区TOP, IF=21.875)
- [2] Jinhuan Yao, **Yanwei Li***, Robert C. Massé, Evan Uchaker, Guozhong Cao*. Revitalized interest in vanadium pentoxide as cathode material for lithium-ion batteries and beyond. *Energy Storage Materials*, 2018, 11: 205-259. (CiteScore: 13.31)
- [3] **Yanwei Li**, Canzheng Liu, Zhiping Xie, Jinhuan Yao* and Guozhong Cao*. Superior Sodium Storage Performance of Additive-Free V_2O_5 Thin Film Electrode. *Journal of Materials Chemistry A*, 2017, 5, 16590-16594. (SCI一区TOP, IF=9.931)
- [4] **Yanwei Li**, Yu Huang, Yuanyuan Zheng, Renshu Huang, Jinhuan Yao*. Facile and efficient synthesis of α - Fe_2O_3 nanocrystals by glucose-assisted thermal decomposition method and its application in lithium ion batteries. *Journal of Power Sources*, 2019, 416: 62-71 (SCI, IF=6.945)
- [5] **Yanwei Li***, Guanlin Pan, Wenqiang Xu, Jinhuan Yao*, Lingzhi Zhang. Effect of Al Substitution on the Microstructure and Lithium Storage Performance of Nickel Hydroxide, *Journal of Power Sources*, 2016, 307: 114-121. (SCI一区TOP, IF= 6.945)
- [6] Jinhuan Yao, **Yanwei Li***, Yuexiao Li, Yanxi Zhu, Hongbo Wang. Enhanced cycling performance of Al-substituted α -nickel hydroxide by coating with β -nickel hydroxide. *J. Power Sources*, 224 (2013) 236-240. (SCI一区TOP, IF= 6.945)
- [7] **Yanwei Li***, Jinhuan Yao, Yanxi Zhu, Zhengguang Zou, Hongbo Wang. Synthesis and Electrochemical Performance of Mixed Phase α/β Nickel Hydroxide. *J. Power Sources*, 2012, 203: 177-183. (SCI一区TOP, IF= 6.945)
- [8] Shiyu Li, Xifei Li*, **Yanwei Li***, Bo Yan, Xiaosheng Song, Dejun Li, Superior Sodium Storage of Vanadium Pentoxide Cathode with Controllable Interlamellar Spacing. *Electrochimica Acta*, 2017, 244: 77-85. (SCI一区TOP, IF=5.116)
- [9] Robert C. Massé, Chaofeng Liu, **Yanwei Li***, Liqiang Mai*, Guozhong Cao*. Energy storage through intercalation reactions: electrodes for rechargeable batteries, *National Science Review*, 2017, 4: 26-53. (SCI二区TOP, IF=9.408)
- [10] Canzheng Liu, Jinhuan Yao(共同第一作者), Zhengguang Zou, **Yanwei Li***, Guozhong Cao*. Boosting the Cycling Stability of Hydrated Vanadium Pentoxide by Y^{3+} Pillaring for Sodium-ion Batteries, *Materials Today Energy*, 2019, 11, 218-227. (CiteScore: 4.20)
- [11] Jinhuan Yao, Jing Yan, Yu Huang, **Yanwei Li***, Shunhua Xiao, Jianrong Xiao*. Preparation of $ZnFe_2O_4/\alpha$ - Fe_2O_3 nanocomposites from sulfuric acid leaching liquor of jarosite residue and their application in lithium-ion batteries. *Frontiers in Chemistry*, 2018, In press, doi: 10.3389/fchem.2018.00442. (SCI二区, IF= 4.155)
- [12] Shiyu Li, Xifei Li*, **Yanwei Li***, Bo Yan, Xiaosheng Song, Linlin Fan, Hui Shan, Dejun Li. Design of $V_2O_5 \cdot xH_2O$ cathode for highly enhancing sodium storage, *Journal of Alloys and Compounds*, 2017, 722: 278-286. (SCI二区TOP, IF=3.779)
- [13] Yuanyuan Zheng, **Yanwei Li***, Jinhuan Yao*, Yu Huang, Shunhua Xiao. Facile synthesis of porous tubular NiO with considerable pseudocapacitance as high capacity and long life anode for lithium-ion batteries. *Ceramics International*, 2018, 44(2): 2568-2577. (SCI二区TOP, IF=3.057)
- [14] Yu Huang, Jinhuan Yao*, Yuanyuan Zheng, Renshu Huang, **Yanwei Li***. A Simple preparation of rod-like Fe_2O_3 with superior lithium storage performance. *Materials Letters*, 2019, 234: 105-108. (SCI, IF=2.687)

- [15] Jing Yan, Jinhuan Yao*, Zhuliu Zhang, **Yanwei Li***, Shunhua Xiao. 3D Hierarchical Porous ZnFe₂O₄ Nano/Micro Structure as a High-Performance Anode Material for Lithium-Ion Batteries, *Materials Letters*, 2019, 245: 122-125. (SCI, IF=2.687)
- [16] **Yanwei Li***, Yuanyuan Zheng, Jinhuan Yao*, Jianrong Xiao, Jianwen Yang, Shunhua Xiao. Facile synthesis of nanocrystalline-assembled nest-like NiO hollow microspheres with superior lithium storage performances, *RSC Advances*, 2017, 7, 31287-31297. (SCI, IF=2.936)
- [17] Jinhuan Yao, Yufang Zhang, Jing Yan, Huang Bin, **Yanwei Li***, Shunhua Xiao. Nanoparticles-constructed spinel ZnFe₂O₄ anode material with superior lithium storage performance boosted by pseudocapacitance, *Materials Research Bulletin*, 2018, 2018, 104: 188-193. (SCI, IF=2.873)
- [18] **Yanwei Li***, Wenqiang Xu, Zhiping Xie, Lingzhi Zhang, Jinhuan Yao*. Structure and Lithium Storage Performances of Nickel Hydroxides Synthesized with Different Nickel Salts. *IONICS*, 2017, 23(7): 1625-1636. (SCI, IF=2.347)
- [19] **Yanwei Li**, Wenqiang Xu, Yuanyuan Zheng, Jinhuan Yao*, Jianrong Xiao*, Hierarchical flower-like nickel hydroxide with superior lithium storage performance, *Journal of Materials Science: Materials in Electronics*, 2017, 28(22): 17156-17160. (SCI, IF=2.324)
- [20] J. H. Yao, Z. L. Yin*, Z. G. Zou and **Y. W. Li***, Y-doped V₂O₅ with enhanced lithium storage performance, *RSC Advances*, 2017, 7, 32327-32335. (SCI, IF=2.936)
- [21] Yongxuan Hou, Jianrong Xiao*, Yafang Guo, Meng Qi, Aihua Jiang, **Yanwei Li***. Gaseous-phase, silica-coated sulfur particles as a cathode material for high-performance lithium/sulfur batteries, *J Mater Sci: Mater Electron*, 2017, 28: 8901-8907(SCI, IF=2.324)
- [22] Ming Zhang, **Yanwei Li**, Evan Uchaker, Stephanie Candelaria, Laifa Shen, Taihong Wang*, Guozhong Cao*. Homogenous incorporation of SnO₂ nanoparticles in carbon cryogels via the thermal decomposition of stannous sulfate and their enhanced lithium-ion intercalation properties. *Nano Energy*, 2013, 2(5): 769-778. (SCI, IF=13.12)
- [23] **Yanwei Li**, Jinhuan Yao, Evan Uchaker, Ming Zhang, Jianjun Tian, Xiaoyan Liu, and Guozhong Cao*. Sn-doped V₂O₅ film with enhanced lithium storage performance. *Journal of Physical Chemistry C*, 2013, 117 (45): 23507–23514 (SCI=TOP, IF=4.484)
- [24] **Y.W. Li***, J.H. Yao, C.J. Liu, W.M. Zhao, W.X. Deng, S.K. Zhong. Effect of interlayer anions on the electrochemical performance of Al-substituted α-type nickel hydroxide electrodes. *Int. J. Hydrogen Energy*, 2010, 35 (6): 2539–2545. (SCI=TOP, IF= 4.229)
- [25] **Yanwei Li**, Jianwei Zhao, Xing Yin, Hongmei Liu, Geping Yin. Conformational Analysis of Diphenylacetylene under the Influence of an External Electric Field. *Phys. Chem. Chem. Phys.* 2007, 9(10): 1186–1193. (SCI=TOP, IF=3.906)
- [26] **Yanwei Li**, Jianwei Zhao, Xing Yin, Geping Yin. Theoretical Investigations of the Geometric and Electronic Structures of Phenylene–Acetylene Macrocycles. *ChemPhysChem*, 2006, 7(12): 2593–2600. (SCI, IF=2.947)
- [27] Changjiu Liu, **Yanwei Li***. Synthesis and characterization of amorphous α-nickel hydroxide. *J. Alloy Compd.* 2009, 478 (1–2): 415–418. (SCI=TOP, IF=3.779)
- [28] **Yanwei Li**, Jianwei Zhao, Xing Yin, Geping Yin. Ab Initio Investigations of the Electric Field Dependence of the Geometric and Electronic Structures of Molecular Wires. *J. Phys. Chem. A.* 2006,110(38): 11130–11135. (SCI, IF=2.836)
- [29] **Y.W. Li**, J.H. Yao, X.D. Zhu, C.J. Liu, J.Q. Jiang, X.S. Deng. Theoretical Investigations on the Geometric and Electronic Structures of Polyacetylene Molecule under the Influence of External Electric Field. *Express polym. Lett.*, 2009, 3 (11): 684–691. (SCI, IF=3.064)
- [30] Changjiu Liu*, **Yanwei Li***, Peipei Li, Chunxiao Xing. Structure and Electrochemical Performance of Nickel Hydroxide Synthesized by Rapid Quench Method. *Material Research Bulletin*, 2010, 45(12): 2001–2005. (SCI, IF=2.873)
- [31] **Yanwei Li***, Jinhuan Yao*, Shengkui Zhong. Theoretical Investigations on the Orientational Dependence of Electron Transport through Porphyrin Molecular Wire. *Curr. Appl. Phys.*, 2011, 11: 1349–1353. (SCI, IF= 2.058)
- [32] **Yanwei Li**, Geping Yin, Jinhuan Yao, Jianwei Zhao. First-Principles Study of Substituents Effect on Molecular junctions: towards Molecular Rectification. *Comp. Mater. Sci.* 2008, 42(4): 638–642. (SCI, IF=2.530)
- [33] **Yanwei Li**, Jianwei Zhao, Geping Yin. Theoretical Investigations of Oligo(Phenylene Ethylene) Molecular Wire: Effects from Substituents and External Electric Field. *Comp. Mater. Sci.* 2007, 39(4): 775–781. (SCI, IF=2.530)
- [34] Jinhuan Yao, **Yanwei Li***, Zhengguang Zou, Hongbo Wang, Yufang Shen. First-principles study of the electron transport through conjugated molecular wires with different carbon backbones. *Superlattices and Microstructures*, 2012, 51(3): 396–403. (SCI, IF= 2.099)
- [35] **Y.W. Li***, Z.L. Yin, J.H. Yao, X.S. Deng, C.L. Yang. Effect of CO adsorption on the electron transport behavior of single Fe-porphyrin molecular wire. *Physica E: Low-dimensional Systems and Nanostructures*, 2010, 43(1): 382–386. (SCI, IF=2.399)
- [36] Xing Yin, **Yanwei Li**, Yan Zhang, Peng Li, Jianwei Zhao. Theoretical Analysis of Geometry–Correlated Conductivity of Molecular Wire. *Chem. Phys. Lett.* 2006, 422(1-3): 111–116. (SCI, IF=1.686)
- [37] Jinhuan Yao*, **Yanwei Li***, Xuanhai Li, And Xiaodong Zhu. First-Principles Study of the Geometric and Electronic Structures of Zinc Ferrite with Vacancy Defect, *Metallurgical and Materials Transactions A*, 2016, 47(7):3753-3760. (SCI, IF=1.887)
- [38] Xiao Jianrong* & Zhao Hang & Jiang Aihua & Wang Hongzhe & **Li Yanwei***, Preparation and lithium storage properties of active carbon-CNT/sulfur composite, *IONICS*, 2015, 21(5): 1241-1246. (SCI, IF=2.347)
- [39] Jinhuan Yao*, **Yanwei Li***, Xuanhai Li, Shiru Le. First-Principles Investigation on the Electronic Structure and Stability of In-Substituted ZnFe₂O₄. *Metallurgical and Materials Transactions A*, 2014, 45(8): 3686-3693. (SCI, IF=1.887)
- [40] J. H. Yao, **Y. W. Li***, X. B. Song, Y. F. Zhang, J. Yan. Lithium Storage Performance of Zinc Ferrite Nanoparticle Synthesized with the Assistance of Triblock Copolymer P123, *Journal of Nanoscience and Nanotechnology*, 2018, 18: 3599-3605 (SCI, IF=1.354)
- [41] Jinhuan Yao, **Yanwei Li***, Ning Li, Shiru Le. Theoretical investigations of the effect of vacancies on the geometric and electronic structures of zinc sulfide. *Physica B: Condensed Matter*, 2012, 407(18): 3888-3892. (SCI, IF=1.453)
- [42] Jinhuan Yao, Yufang Zhang, Jing Yan and **Yanwei Li***. Synthesis and Lithium Storage Performance of ZnFe₂O₄/C Composites with the Assistance of P123, *Ferroelectrics*, 2018, 522: 45-54. (SCI收录)
- [43] **Yanwei Li***, Jianrong Xiao, Jinhuan Yao, Jiqiong Jiang, Zhengguang Zou and Yufang Shen. Experimental and Theoretical Study of the Electron Transfer through Alkanedithiol Molecules. *Integrated Ferroelectrics*, 2012, 135: 22-29. (SCI收录)
- [44] Changjiu Liu, Shijuan Chen, **Yanwei Li***. Synthesis and electrochemical performance of α-nickel hydroxide codoped with Al³⁺ and Ca²⁺. *IONICS*, 2012, 18(1-2): 197-202. (SCI, IF=2.347)
- [45] **Y.W. Li***, J.H. Yao, Z.G. Zou, J.W. Yang, S.R. Le. Theoretical Study of the Electron Transport through Aromatic Molecular Wires with Different Levels of Conjugation. *Computational and Theoretical Chemistry*, 976 (2011) 135–140. (SCI, IF=1.443)
- [46] Jinhuan Yao,**Yanwei Li***, Zhengguang Zou, Jianwei Yang, Zhoulun Yin. First-Principles Study of the Electron Transport through cis-Poyacetylene Based Molecular Wires. *Physica B: Condensed Matter*, 406 (2011) 3969–3974. (SCI, IF=1.453)
- [47] Shengkui Zhong, Yuebin Xu, **Yanwei Li***, Jinhuan Yao, Jianwen Yang. Theoretical Investigation on the Electron Transport Behavior of Fe-Porphyrin Complexes. *Integrated Ferroelectrics*, 2011, 127(1): 91 – 96. (SCI收录)
- [48] Changjiu Liu*, Lianghua Huang, **Yanwei Li***, Dan Sun. Synthesis and electrochemical performance of amorphous nickel hydroxide codoped with Fe³⁺ and CO₃²⁻. *IONICS*, 2010, 16 (3): 215-219. (SCI, IF=2.347)

- [49] LIU Changjiu*, CHEN Shijuan, **LI Yanwei***. Synthesis and characterization of the structural and electrochemical properties of Nd - Al codoped amorphous nickel hydroxide. Journal of Rare Earths, 2010, 28(2): 265 - 269. (SCI, IF=2.524)
- [50] **LI Yan-wei***, YIN Zhou-lan, YAO Jin-huan, ZHAO Wei-min, Liu Chang-jiu, Zhong Sheng-kui. Electrochemical performance of nickel hydroxide doped with multi-wall carbon nanotubes. T. Nonferr. Metal. Soc., 2010, 20 (supplement 1): s249-s252. (SCI, IF=1.795)
- [51] **Y.W. Li***, Q.X. Yang, J.H. Yao, Z.G. Zhang, C.J. Liu. Effect of Synthesis Temperature on the Phase Structure and Electrochemical Performance of Nickel Hydroxide. IONICS, 2010, 16 (3): 221-225. (SCI, IF=2.347)
- [52] Changjiu Liu*, Huabin Wu, **Yanwei Li***. Structure and electrochemical performance of Y(III) and Al(III) codoped amorphous nickel hydroxide. J. Phys. Chem. Solids, 2009, 70 (3-4): 723-726. (SCI, IF=2.207)
- [53] **Y.W. Li**, J.H. Yao, C.J. Liu, J.W. Yang, C.L. Yang. Theoretical Investigation of the O₂ Adsorption Effect in the Electron Transport of single Fe-porphyrin molecule. Physics Letters A, 2009 373: 3974-3977. (SCI, IF=1.863)
- [54] **Yanwei Li**, Jinhuan Yao, Chuanlu Yang, Shengkui Zhong, Geping Yin. Ab initio investigations on the geometric and electronic structures of a diblock molecular diode under the influence of an external bias. Mol. Simulat. 2009, 35(4): 301-307. (SCI, IF=1.449)
- [55] **Yanwei Li**, Zhoulan Yin, Jinhuan Yao, Jianwei Zhao. First-Principles Study of the Electron Transport of Single Alkandithiol Molecule under the Influence of Compression. Chem. Lett. 2009, (38): 334-335. (SCI, IF=1.625)
- [56] **Yanwei Li**, Jinhuan Yao, Changjiu Liu, Chuanlu Yang. Theoretical investigation on electron transport properties of a single molecular diode. J. Mol. Struct.-THEOCHEM, 2008, 867(1-3): 59-63. (SCI收录)
- [57] Jianwei Zhao, **Yanwei Li**, Hongmei Liu, Peng Li, Geping Yin. A quantum chemistry study of diethynylbenzene macrocycles: Structural and electronic properties. J. Mol. Struct.-THEOCHEM 2008, 861(1-3): 7-13. (SCI收录)
- [58] Jinhuan Yao, Zhoulan Yin, * **Yanwei Li** * and Shiru Le. First-principles Study of the Geometric and Electronic Structures of Mn-substituted ZnFe₂O₄, Ferroelectrics, 2018, 522: 29-35. (SCI收录)
- [59] J.H. Yao, Z.L. Yin, **Y.W. Li***. First-principles study of the interaction between reduced graphene oxide and nickel hydroxide, IOP Conf. Series: Earth and Environmental Science, 2017, 81: 012026. (EI收录)
- [60] 姚金环, 谢志平, 尹周澜*, **李延伟***. V₂O₅/Graphene复合电极材料的制备与储锂性能, 精细化工, 2018, 35(5): 813-818. (EI收录)
- [61] 谢志平, 姚金环, 刘参政, 姜吉琼, **李延伟***. 0/1/2维混合纳米形貌V₂O₅的制备与储锂性能, 高等学校化学学报, 2017, 38(8): 1442-1449. (SCI收录)
- [62] 郑远远, 姚金环, 姜吉琼, **李延伟***. 纳米多孔NiO类空心微球负极材料的制备与储锂性能, 化工学报, 2017, 68(6): 2596-2603. (EI收录)
- [63] **李延伟**, 谢志平, 刘参政, 姚金环*, 姜吉琼, 杨建文. 二维褶皱状V₂O₅纳米材料的制备及储锂性能研究, 材料研究学报, 2017, 31(5): 374-380. (EI收录)
- [64] **李延伟**, 李世玉, 谢志平, 姚金环*, 姜吉琼, 张灵芝. 电化学沉积制备V₂O₅薄膜电极的表面结构及储钠性能, 化工学报, 2016, 67(11): 4771-4778. (EI收录)
- [65] 温胜山, 梁晓丽, 姚金环, 潘观林, **李延伟***, 张灵芝. Al含量对Al取代氢氧化镍振实密度及电化学性能的影响, 稀有金属材料与工程, 2015, 44(12): 3151-3155. (SCI收录)
- [66] **李延伟**, 温胜山, 姚金环*, 梁晓丽, 张灵芝, 2D结构V₂O₅材料的制备与储锂性能研究. 中国有色金属学报, 2015, 25(1): 158-164. (EI收录)
- [67] **李延伟**, 潘观林, 姚金环*, 李世玉, 张灵芝. 纳米β-Ni(OH)₂的制备及其储锂性能研究, 化工学报, 2015, 66(12): 5088-5095 (EI收录)
- [68] **李延伟***, 梁晓丽, 姚金环, 姜吉琼. Ni/Al-LDH/MCNTs原位复合材料的制备与电化学性能. 化工学报, 2014, 65(8): 3298-3305. (EI收录)
- [69] **李延伟***, 朱彦熹, 姚金环, 尚雄, 杨建文. 液相阴离子对合成Al代α-Ni(OH)₂结构和电化学性能的影响, 高校化学工程学报, 2014, 4(28): 864-869. (EI收录)
- [70] **李延伟**, 姚金环, 杨传路. 二苯乙炔分子导线的电子输运性质. 物理化学学报. 2008, 24(8): 1445-1450. (SCI收录)
- [71] **李延伟**, 章岩, 尹鹤平, 赵健伟. 电场作用下分子导线的理论研究. 高等学校化学学报. 2006, 27(2): 292-296. (SCI收录)

四、授权专利

- [1] Guozhong Cao, **Yanwei Li**. Polycrystalline vanadium oxide nanosheets (美国发明专利, 专利号: US 9,997,778 B2)
- [2] 姚金环, **李延伟**, 张玉芳, 丘雪萍. P123辅助制备高性能铁酸锌电极材料的方法 (中国发明专利, 专利号: Z L 2015 1 08268751)
- [3] 刘长久, **李延伟**, 陈世娟. 碳纳米管掺杂非晶相氢氧化镍电极活性材料的制备方法 (中国发明专利, 专利号: ZL 2009 1 0114321.3.)
- [4] 姚金环, **李延伟**, 吕奕菊, 丘雪萍. 应用超声波技术提高废旧锌锰电池中锰浸出率的方法 (中国发明专利, 专利号: ZL 201510199505.X)

五、联系方式

通讯地址: 广西桂林市建干路12号, 桂林理工大学化学与生物工程学院 (541004)

电话: 0773-2538354; E-mail: lywhit@126.com

上一篇: 何方 研究员

下一篇: 雷呈宏 教授

【关闭】