

牛淑云 教授 博士生导师



联系方式:

地 址: 大连市沙河口区黄河路850号

辽宁师范大学化学化工学院

邮 编: 116029

电 话: 0411-82159044

Email: syniu@sohu.com

## 个人情况综述

牛淑云, 女, 教授, 博士生导师, 二级特聘教授。多年来除了承担本科生、硕士生及博士生的教学和指导之外, 在科研方面一直金属配合物及簇合物的研究。在含过渡及稀土元素的功能簇合物及配合物的合成、结构及磁性、发光性能、光电性能等方面研究工作取得了很好的成果, 并开展了相关纳米发光材料的研究。先后承担国家级重大项目 3 个和国家自然科学基金面上项目7 个, 研究成果已在国内外重要刊物上发表论文百余篇。于 1988 年获国家教委科技进步一等奖, 于 1991 年获国家自然科学基金三等奖。1998 年获辽宁省教委科技进步二等奖。

## 工作学习简历

1995年~至今 辽宁师范大学化学化工学院 教授 博士生导师  
1965年~1995年 吉林大学 化学系 助教-讲师-副教授

## 教学工作

多年来承担本科生、硕士生和博士生课程有: 光谱学、近代结构分析方法、配位化学、光电子能谱学、团簇化学、功能材料学、超分子化学、化合物表征、光谱与结构化学、分子中的电子过程、表面光伏原理等。

## 主持科研项目

1. 金属/氧/有机共轭配聚物-新型光伏材料的研制及性能 (20571037), 国家自然科学基金,25万元, 2006.1~2008.12, 负责人
2. 含稀土及过渡元素的有机配位超分子发光材料的研制 (90201018), 国家自然科学基金重大研究计划, 24万元, 2003.1~2005.12, 负责人
3. CoNL6单元聚合物研制及自旋转换与光电性能(20071016),国家自然科学基金, 17万元, 2001.1~2003.12, 负责人
4. 含稀土和过渡元素的分子磁体材料的研制及性能, 国家自然科学基金, 59572039, 1996.1~1998.12, 8.5万元, 负责人
5. 新型分子磁体的研制及性能 (9810300704), 辽宁省科委自然基金, 3.5万元, 1999.5~2002.5, 负责人
6. 新型3d-4f分子发光材料的设计合成及性能(20042094),辽宁省教委攻关基金, 3.0万元, 2001.5~2003.5, 负责人

## 代表性研究论文:

1. Syntheses, structures and photophysical properties of new heterodinuclear Cd-Ln coordination complexes (Ln = Sm, Eu, Tb, Nd, Ho, Er), Yu Xian Chi, Shu Yun Niu\*, Zhao Long Wang, Jing Jin, Eur. J. Inorg. Chem., 2008, 2336-2343
2. Synthesis, Structure and Surface Photovoltage of a Series of MnII Coordination Polymers, Li-Ping Sun, Shu-Yun Niu\*, Jing Jin, Guang-Di Yang, and Ling Ye, Eur. J. Inorg. Chem., 2007,(24),3845-3852
3. Synthesis, Structure and Surface Photovoltage of a Series of NiII Coordination Polymers, Li-Ping Sun, Shu-Yun Niu\*, Jing Jin, Guang-Di Yang,

and Ling Ye, Eur. J. Inorg. Chem., 2006, (22), 5130-5137

4. Crystal structure and surface photovoltage of a series of Ni(II) coordination supramolecular polymer, Li-Ping Sun, Shu-Yun Niu\*, Jing Jin, Guang-Di Yang, Ling Ye, Inorganic Chemistry Communications, 2006, 9, 679-682
5. Synthesis and luminescent properties of SnO<sub>2</sub>:Eu nanopowder via polyacrylamide gel method, Xiaoyan Fu, Hongwu Zhang, Shuyun Niu, Qin Xin, Journal of Solid State Chemistry, 2005, 178, 603-607
6. Low temperature synthesis of nanocrystalline YVO<sub>4</sub>:Eu via polyacrylamide gel method, Hongwu Zhang, Xiaoyan Fu, Shuyun Niu, Gongquan Sun, Qin Xin\*, J. Solid State Chem., 2004, 177, 2649-2654
7. Photoluminescence of YVO<sub>4</sub>:Tm photosor prepared by a polymerizable complex method, Hongwu Zhang, Xiaoyan Fu, Shuyun Niu, Gongquan Sun, Qin Xin\*, Solid State Commun., 2004, 132, 527-531
8. Syntheses, crystal structures and photophysical property of a series of Cd(II) coordination polymers, Yuxian Chi, Shu-yun Niu\*, Jing Jin, Li Ping Sun, Guang-Di Yang, Ling Ye, ZAAC, 2007, 633(8), 1274-1278
9. Photoluminescence of nanocrystalline YVO<sub>4</sub>:TmxDy<sub>1-x</sub> prepared by a modified pechini method, Hongwu Zhang, Xiaoyan Fu, Shuyun Niu, Qin Xin, Materials Letters, 2007, 61, 308-311
10. Photoluminescence of Dy<sup>3+</sup> ions in yttrium-stabilized zirconium oxide with different phases, Xiaoyan Fu, Shuyun Niu, Hongwu Zhang, Qin Xin, Materials Science and Engineering B 129, 2006, 14-17
11. Hydrothermal Synthesis, Structural Characterization, Magnetic and Photoelectric Properties of Two Cobalt(II) Coordination Polymers, Jing Jin, Shu Yun Niu\*, Guang Di Yang, and Ling Ye, Z. Anorg. Allg. Chem. 2006, 632, 2350-2354
12. Crystal structure and fluorescence/phosphorescence of two novel Cd(II) coordination polymers, S. Y. Niu, Y. X. Chi, J. Jin, G. D. Yang, L. Ye, Struct. Chem., 2006, 17, 209-214
13. Photoluminescence enhancement of SnO<sub>2</sub>:Eu by Mg<sup>2+</sup> doping, Xiaoyan Fu, Shuyun Niu, Hongwu Zhang, Qingwang Min, Qin Xin, Materials Science and Engineering B 123, 2005, 45-49
14. Luminescence properties of Li<sup>+</sup> doped nanosized SnO<sub>2</sub>:Eu, Hongwu Zhang, Xiaoyan Fu, Shuyun Niu, Gongquan Sun, Qin Xin, Journal of Luminescence, 2005, 115, 7-12
15. Synthesis and characterization of ZrO<sub>2</sub>:Eu nanopowder by EDTA complexing sol-gel method, Hongwu Zhang, Xiaoyan Fu, Shuyun Niu, Gongquan Sun, Qin Xin, Materials Chemistry and Physics, 2005, 91(2-3), 361-364
16. Synthesis, crystal structure and properties of Co(II) complex, Shuyun Niu, Jing Jin, Zhongzhi Yang, Synth. React. Inorg. Metal-Organic Chem., 2004, 34(1), 173-185
17. Hydrothermal Synthesis, Crystal Structure and Magnetism of [Nd(C<sub>7</sub>H<sub>6</sub>NO<sub>2</sub>)<sub>3</sub>H<sub>2</sub>O]<sub>n</sub>, a Novel Coordination Polymer with Three-Dimensional Network, Shuyun Niu, Guang-Di Yang, Ya-Ling Zhang, Jing Jin, Ling Ye, Zhong-Zhi Yang, J. of Molecular Structure 2002, 608, 95-99
18. Synthesis, Structure and Characterization of Gd(III) Dimer Bridged by Tetrabezoates, S. Y. Niu, J. Jin, X.L. Jin, Z. Z. Yang, Solid State Sciences, 2002, 4, 1103-1106
19. Synthesis, structure and magnetism of a new imidazolate-bridged binuclear complex [Ni<sub>2</sub>(im)(phen)<sub>4</sub>](NO<sub>3</sub>)<sub>3</sub>·3H<sub>2</sub>O, Σηυ Ψυν Νιυ\*, Σινυ Σιν, Ζηονυ Ζηι Ψανυ, Γυανυ Δι Ψανυ, Λινυ Ψε, Θουρναιλ οφ Μολεχυλαρ Στυρυτυρε, 2002, 643, 123-128
20. Crystal structure, magnetic and photoelectric properties of Co(II) complex, Niu Shuyun\*, Fan Hongtao, Jin Jing, Jin Xianglin, Yang Zhongzhi, Chinese science Bulletin, 2004, 49(17), 1812-1815