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2017-12-31



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荣誉称号 辽宁省百千万人才工程“千层次”人选

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学习工作经历

1997年9月至2001年7月	东北师范大学化学学院化学专业	本科
2001年7月至2004年7月	东北师范大学化学学院无机化学专业	硕士
2004年7月至2007年7月	中国科学院长春光学精密机械与物理研究所博士	
2007年7月至2009年6月	大连交通大学环境与化学工程学院	讲师
2009年6月至2017年12月	大连交通大学环境与化学工程学院	副教授
2018年1月至今	大连交通大学环境与化学工程学院	教授

承担项目情况

1. 高分散性的核壳结构稀土纳米材料的制备与发光性能研究, 辽宁省基金, 2015-2017, 10万元, 课题负责人
2. 核壳结构低维纳米光电材料的制备与性能研究, 辽宁省百千万人才项目, 2014-2016, 2万元, 课题负责人
3. 光电子与光信息材料, 辽宁省优秀人才支持计划, 2011-2013, 12万元, 课题负责人
4. 稀土掺杂纳米管阵列的连续制备与发光性能, 辽宁省教育厅青年项目, 2017-2018, 2万元, 课题负责人

5. 新型高效一维复合发光材料的静电纺丝制备与发光性质, 国家自然科学基金, 2009-2011, 19万元, 课题负责人
6. 新型一维核壳复合发光材料的制备与应用研究, 辽宁教育厅计划项目, 2009-2010, 2万元, 课题负责人
7. 静电纺丝法制备复合纳米活性炭纤维吸附超低浓度SO₂的研究, 2010-2013, 国家自然科学基金, 36万元, 课题参加人.
8. LED用荧光粉的制备与性质研究, 2015-2017, 100万元, 课题参加人.

发表论文著作情况

(期刊论文: 通讯作者以“*”标出, 期刊名称, 卷(期), 起始页码, 发表年份)。

- [1] **Hongquan Yu***, Yang Song, Yue Li, Shimin Liu, Synthesis of aligned titanium-based oxide fibre arrays, *Ceramics International*, **2018**. (SCI, JCR二区, 2016年影响因子2.986)
- [2] **Hongquan Yu***, Xijie Lan, Yanning Tang, Hongdan Wang, Up-conversion luminescence properties of YVO₄:Er³⁺/Yb³⁺ nanospindles prepared by a P123-assisted ultrasonic chemistry route, *Journal of Materials Science: Materials in Electronics*, **29**, 1651-1657, **2018**. (SCI, JCR三区, 2016年影响因子2.019)
- [3] **Hongquan Yu***, Chenchen Sheng, Yanning Tang, Xijie Lan, Zhanguo Liang, Yanbo Wu, Hengyan Zhao, Luminescent properties of Eu³⁺ ions depend on temperature in electrospun Gd₂O₃:Eu³⁺ nanofibres, *Journal of Materials Science: Materials in Electronics*, **29**, 519-523, **2018**. (SCI, JCR三区, 2016年影响因子2.019)
- [4] **Yu Hongquan***, Li Yue, Song Yang, Wu Yanbo, Lan Xijie, Liu Shimin, Tang Yanning, Xu Shasha, Chen Baojiu*, Ultralong well-aligned TiO₂:Ln³⁺ (Ln = Eu, Sm, or Er) fibres prepared by modified electrospinning and their temperature-dependent luminescence, *Scientific Reports*, **7**, 44099, **2017**. (SCI, JCR二区, 2015年影响因子5.228)
- [5] **Yu Hongquan***, Yu Aisong, Li Yue, Song Yang, Wu Yanbo, Sheng Chenchen, Fabrication and Luminescent Properties of One-Dimensional Electrospinning LaPO₄:Ce/Tb Nanofibers, *Nanoscience and Nanotechnology Letters*, **9**, 64-68, **2017**. (SCI, JCR三区, 2016年影响因子1.889)
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- [8] **Yu Hongquan***, Li Yue, Song Yang, Wu Yanbo, Chen Baojiu, Li Peng, Preparation and Luminescent Properties of Gd₂O₃:Eu³⁺ nanofibres made by electrospinning, *Ceramics International*, **42**, 1307-1313, **2016**. (SCI, JCR二区, 2016年影响因子2.986)
- [9] **Yu Hongquan***, Yu Aisong, Li Yue, Song Yang, Wu Yanbo, Sheng Chenchen, Baojiu Chen, Energy transfer processes in electrospun LaOCl:Ce/Tb nanofibres, *Journal of Alloys and Compounds*, **683**, 256-262, **2016**. (SCI, JCR二区, 2016年影响因子3.133)
- [10] **Yu Hongquan***, Song Yang, Li Yue, Wu Yanbo, Chen Baojiu, Preparation and luminescent properties of one-dimensional YVO₄:Eu nanocrystals, *Journal of Materials Science: Materials in Electronics*, **27**, 2608-2613, **2016**. (SCI, JCR三区, 2016年影响因子2.019)
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- [13] **Yu Hongquan**,* Li Yue, Wu Yanbo, Shen Yu, Chen Baojiu, Complex/Polymer Composite Fibers Luminescence properties of composite nanofibers with different diameters prepared by electrospinning technology, **Journal of Optoelectronics and Advanced Materials**, 7, 290-295, 2015. (SCI, JCR四区, 2016年影响因子0.449)
- [14] **Yu Hongquan**,* Zheng Hui, Li Yue, Wang Hongdan, Wu Yanbo, and Li Peng, Luminescence Properties of $Y_2O_3:Eu^{3+}$ Nanocrystals Prepared by the Ultrasonic Chemistry Method, **Journal of Nanoscience and Nanotechnology**, 14 (5), 3648-3652, 2014. (SCI, JCR三区, 2016年影响因子 1.483)
- [15] **Yu Hongquan**,* Wang Hongdan, Li Yue, Zhou Le, Wu Yanbo, Chen Baojiu, and Li Peng, Electrospinning Preparation and Luminescence Properties of Terbium Complex/Polymer Composite Fibers, **Journal of Nanoscience and Nanotechnology**, 14 (5), 3914-3918, 2014. (SCI, JCR三区, 2016年影响因子1.483)
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- [17] **Yu Hongquan**,* Wu Yanbo, Song Tieben, Li Yue and Shen Yu, Preparation of metal oxide doped ACNFs and their adsorption performance for low concentration SO₂, **International Journal of Minerals, Metallurgy and Materials**, 20 (11), 1102-1106, 2013. (SCI, JCR四区, 2016年影响因子 0.943)
- [18] **Yu Hongquan**,* Wang Hongdan, Li Tao, Che Ruxi, Preparation and luminescent properties of YBO₃: Eu nanofibers by electrospinning, **Applied Physics A**, 108(1), 223-227, 2012. (SCI, JCR三区, 2014年影响因子1.704)
- [19] Qi Ye, Zhang Jinsu,* **Yu Hongquan**,* Sun Jiashi, Li Xiangping, Cheng Lihong, Chen Baojiu, Long persistent and photostimulated luminescence properties of Sr₂Al₂SiO₇: Eu²⁺/Tm³⁺ phosphors, **Journal of Rare Earth**, 34, 1-6, 2016 (SCI, JCR 二区, 2016年影响因子2.492)
- [20] Zheng Hui, Chen Baojiu,* **Yu Hongquan**,* Li, Xiangping, Zhang, Jinsu, Sun, Jiashi, Tong, Lili, Wu, Zhongli, Zhong, Hua, Hua, Ruinian, Rod-shaped NaY(MoO₄)₂:Sm³⁺/Yb³⁺ nanoheaters for photothermal conversion: Influence of doping concentration and excitation power density, **Sensors and Actuators B-Chemical**, 234, 286-293, 2016. (SCI, JCR 一区, 2016年影响因子5.401)
- [21] Li, Peng, Zhang, Weiguo,* **Yu, Hongquan**, Zheng, Lianjie, Yang, Liang, Liu, Gang, Sheng, Chenchen, Gui, Haoran, Ni, Shuo, Li, Pengsheng, Applying Electrospun Gelatin/Poly(lactic acid-co-glycolic acid) Bilayered Nanofibers to Fabrication of Meniscal Tissue Engineering Scaffold, **Journal of Nanoscience and Nanotechnology**, 16, 4718-4726, 2016. (SCI, JCR三区, 2016年影响因子 1.483)
- [22] Zheng Hui, Chen Baojiu,* **Yu Hongquan**,* Influence of microwave hydrothermal reaction factor on the morphology of NaY(WO₄)₂ nano-/micro-structures and luminescence properties of NaY(WO₄)₂: Tb³⁺, **RSC Advances**, 5, 56337-56347, 2015. (SCI, JCR二区, 2014年影响因子3.8395)
- [23] Zheng Hui, Chen Baojiu,* **Yu Hongquan**,* Zhang Jinsu, Sun Jiashi, Li Xiangping, Sun Min, Tian Bining, Fu Shaobo, Zhong Hu, Dong Bin, Hua Ruinian, Xia Haiping, Microwave-assisted hydrothermal synthesis and temperature sensing application of Er³⁺/Yb³⁺ doped NaY(WO₄)₂ microstructures, **Journal of Colloid and Interface Science**, 420, 27-34, 2014. (SCI, JCR二区, 2016年影响因子4.233)
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- [25] Xiang Suyuan, Chen Baojiu,* Zhang Jinsu, Li Xiangping, Sun Jiashi, Zheng Hui, Wu Zhongli, Zhong Hua, **Yu Hongquan**, and Xia Haiping, Microwave-assisted hydrothermal synthesis and laser-induced optical heating effect of NaY(WO₄)₂:Tm³⁺/Yb³⁺ microstructures, **Optical Materials Express**, 4(9), 1966-1980, 2014. (SCI, JCR二区, 2014年影响因子2.844)

- [26] Tian Yue, Chen Baojiu, * Yu Hongquan, Hua Ruinian, Li Xiangping, Sun Jiashi, Cheng Lihong, Zhong Haiyang, Zhang Jinsu, Zheng Yanfeng, Yu Tingting, Huang Libo, Controllable synthesis and luminescent properties of three-dimensional nanostructured $\text{CaWO}_4:\text{Tb}^{3+}$ microspheres, **Journal of Colloid and Interface Science**, **360** (2), 586-592, 2011. (SCI, JCR二区, 2016年影响因子4.233)
- [27] Huang Libo, Cheng Lihong, * Yu Hongquan, Zhang Jinsu, Zhou Le, Sun Jiashi, Zhong Haiyang, Li Xiangping, Tian Yue, Zheng Yanfeng, Yu Tingting, Li Chunjingming, Zhong Hua, Liu Wei, Zhang Lihui, Wang Juan, Chen Baojiu*, Electrospinning preparation and optical transition properties of $\text{Eu}(\text{DBM})_3/\text{Phen}/\text{PS}$ fluorescent composite fibers, **Optics Communications**, **285** (6), 1476-1480, 2012. (SCI, JCR三区, 2016年影响因子1.588)
- [28] Huang Libo, Cheng Lihong, * Yu Hongquan, Zhou Le, Sun Jiashi, Zhong Haiyang, Li Xiangping, Zhang Jinsu, Tian Yue, Zheng Yanfeng, Yu Tingting, Wang Juan, Chen Baojiu*, Optical transition properties of Eu^{3+} in $\text{Eu}(\text{DBM})_3/\text{phen}$ mono-dispersed microspheres for microcavity laser application, **Physica B: Condensed Matter**, **406** (14), 2745-2749, 2011. (SCI, JCR四区, 2016年影响因子1.386)
- [29] Yu Tingting, Sun Jiashi,*, Hua Ruinian, Cheng Lihong, Zhong Haiyang, Li Xiangping, Hongquan Yu, Baojiu Chen,* Luminescence of complex ion WO_4^{2-} in Dy^{3+} doped nanocrystal $\text{Gd}_6\text{WO}_{12}$ phosphor, **Journal of Alloys and Compounds** **509**, 391-395, 2011. (SCI, JCR二区, 2016年影响因子3.133)
- [30] Tian Yue, Chen Baojiu*, Hua Ruinian, Sun Jiashi, Cheng Lihong, Zhong Haiyang, Li Xiangping, Zhang Jinsu, Zheng Yanfeng, Yu Tingting, Huang Libo and Yu Hongquan Optical transition, electron-phonon coupling and fluorescent quenching of $\text{La}_2(\text{MoO}_4)_3:\text{Eu}^{3+}$ phosphor, **Journal of Applied Physics** **109**, 053511, 2011. (SCI, JCR三区, 2016年影响因子2.068)
- [31] Lu Weili, Cheng Lihong, Sun Jiashi,* Zhong Haiyang, Li Xiangping, Tian Yue, Wan Jing, Zheng Yanfeng, Huang Libo, Yu Tingting, Yu Hongquan, Chen Baojiu*, The concentration effect of upconversion luminescence properties in $\text{Er}^{3+}/\text{Yb}^{3+}$ -codoped $\text{Y}_2(\text{MoO}_4)_3$ phosphors, **Physica B**, **405**, 3284-3288, 2010. (SCI, JCR四区, 2016年影响因子1.386)
- [32] Zheng Yanfeng, Chen Baojiu,* Zhong Haiyang Sun Jiashi, Cheng Lihong, Li Xiangping, Zhang Jinsu, Tian Yue, Lu Weili, Wan Jing, Yu Tingting, Huang Libo, Yu Hongquan, Lin Hai, Optical Transition, Excitation State Absorption, and Energy Transfer Study of Er^{3+} , Nd^{3+} Single-Doped, and $\text{Er}^{3+}/\text{Nd}^{3+}$ Codoped Tellurite Glasses for Mid-Infrared Laser Applications, **Journal of The American Ceramic Society**, **94**, 1766-1772, 2011. (SCI, JCR二区, 2016年影响因子2.841)
- [33] Cheng Lihong, Li Xiangping,* Sun Jiashi, Zhong Haiyang, Tian Yue, Wan Jing, Lu Weili, Zheng Yanfeng, Yu Tingting, Huang Libo, Yu Hongquan, Baojiu Chen,* Investigation of the luminescence properties of Dy^{3+} -doped α - $\text{Gd}_2(\text{MoO}_4)_3$ phosphors, **Physica B-Condensed Matter**, **405**, 4457-4461, 2010. **Physica B: Condensed Matter**, **406** (14), 2745-2749, 2011. (SCI, JCR四区, 2016年影响因子1.386)
- [34] Tian Bining, Chen Baojiu,* Tian Yue, Li Xiangping, Zhang Jinsu, Sun Jiashi, Fu Shaobo, Zhong Hua, Zhang Xiangqing, Yu Hongquan, Intense red upconversion emission and temperature sensing in $\text{Er}^{3+}/\text{Yb}^{3+}$ co-doped $\text{Ba}_5\text{Gd}_8\text{Zn}_4\text{O}_{21}$ phosphor, **Materials Express**, **3**, 241-246, 2013. (SCI, JCR三区, 2016年影响因子2.062)
- [35] Liang Zhanguo, Mu Jun,* Han Lei, Yu Hongquan, Microbe-Assisted synthesis and luminescence properties of monodispersed Tb^{3+} -doped ZnS nanocrystals, **Journal of Nanomaterials**, **519303**, 2015. (SCI, JCR三区, 2016年影响因子1.871)

获奖情况

1. 张志华, 于洪全, 梁瑶, 何明, 王琪, 低维光电材料制备、结构性能及器件化研究, 辽宁省自然科学奖, 二等奖, 2014。
2. 于洪全, 李越, 吴艳波, 陈宝玖, Preparation of Aligned $\text{Eu}(\text{DBM})_3/\text{phen}/\text{PS}$ Fibers by Electrospinning and Their Luminescence Properties, 辽宁省自然科学学术成果奖, 学术论文类三等奖, 2014。

3. 于洪全, 李越, 吴艳波, 陈宝玖, Preparation of Aligned Eu (DBM)₃ phen/PS Fibers by Electrospinning and Their Luminescence Properties, 大连市自然科学优秀学术论文奖, 学术论文类二等奖, 2014。



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Education and Work Experiences

09/1997—07/2001 School of Chemistry, Northeast Normal University.

major: Chemical Education

degree: Bachelor of Science

07/2001—07/2004 School of Chemistry, Northeast Normal University.

major: Inorganic Chemistry

degree: Master of Science

07/2004—07/2007 Changchun Institute of Optics, Fine Mechanics and Physics, Chinese Academy of Sciences.

degree: Ph. D.

07/2007—06/2009 Lecturer, School of Environmental and Chemical Engineering, Dalian Jiaotong University

06/2009—12/2017 Associate professor, School of Environmental and Chemical Engineering, Dalian Jiaotong University

06/2017—now Professor, School of Environmental and Chemical Engineering, Dalian Jiaotong University

Project Development

- 07/2015—12/2017, Preparation and Luminescent Properties of Highly Dispersed Core-shell Structure Rare Earth Nanomaterials, Liaoning Natural Science Foundation, RMB 100,000. Principal investigator of the project.
- 01/2014—12/2016, Preparation and Luminescent Properties of Core-shell Structure Low-dimensional Optoelectronics Nanomaterials, Liaoning Baiqianwan Talent Project, RMB 200,000. Principal investigator of the project.
- 07/2011—12/2013, Optoelectronics and Optical Communication Materials, Liaoning Excellent Talents in University, RMB 120,000. Principal investigator of the project.

4. 07/2017—12/2018, Continuous Preparation and Luminescence Properties of Rare Earth Doped Nanotube Arrays, Liaoning Provincial Department of Education Youth Project, RMB 200,000. Principal investigator of the project.
5. 01/2009—12/2011, Electrospinning Preparation and Photoluminescence Properties of Novel High Efficient Composite Nanofibers, National Natural Science Foundation of China, RMB 190,000. Principal investigator of the project.
6. 01/2009—12/2010, Preparation and application of the novel one-dimensional core shell composite luminescent materials, Liaoning Education Project, RMB 200,000. Principal investigator of the project.
7. 01/2010—12/2013, Study of the adsorption of ultra-low concentration SO₂ of the activated carbon composite nanofibers prepared by electrospinning method, National Natural Science Foundation of China, RMB 360,000. Project Participant.
8. 01/2015—12/2017, The preparation and properties of phosphor for LED, the technological project of the Scientific and Technological Office of Dalian, RMB 1000,000. Project Participant.

Publications

- [1] **Hongquan Yu***, Yang Song, Yue Li, Shimin Liu, Synthesis of aligned titanium-based oxide fibre arrays, *Ceramics International*, **2018**. (SCI, IF: 2.986)
- [2] **Hongquan Yu***, Xijie Lan, Yanning Tang, Hongdan Wang, Up-conversion luminescence properties of YVO₄:Er³⁺/Yb³⁺ nanospindles prepared by a P123-assisted ultrasonic chemistry route, *Journal of Materials Science: Materials in Electronics*, **29**, 1651-1657, **2018**. (SCI, IF:2.019)
- [3] **Hongquan Yu***, Chenchen Sheng, Yanning Tang, Xijie Lan, Zhanguo Liang, Yanbo Wu, Hengyan Zhao, Luminescent properties of Eu³⁺ ions depend on temperature in electrospun Gd₂O₃:Eu³⁺ nanofibres, *Journal of Materials Science: Materials in Electronics*, **29**, 519-523, **2018**. (SCI, IF:2.019)
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- [17] **Yu Hongquan**,* Wu Yanbo, Song Tieben, Li Yue and Shen Yu, Preparation of metal oxide doped ACNFs and their adsorption performance for low concentration SO₂, **International Journal of Minerals, Metallurgy and Materials**, **20** (11), 1102-1106, 2013. (SCI, IF:0.943)
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Honors

Professional Affiliations