

所属学院 材料科学与工程学院

学科领域 材料科学与工程（无机非金属材料、
新能源材料、材料合成结构与性能）

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个人简介

袁双龙，男，江西九江人，1982 年生于江西省九江市。博士、副研究员、硕士生导师。2001 年毕业于重庆大学化学工程与工艺专业，获工学学士学位；2004 年毕业于华东理工大学材料加工工程专业，获工学硕士学位；2011 年毕业于华东理工大学材料专业 and 法国雷恩一大化学专业，分获工学博士学位和理学博士学位。

2004 年至 2006 年在华东理工大学无机非金属材料学科，任实习研究员；

2006 年至 2014 年在华东理工大学无机非金属材料学科，任助理研究员；

2014 年至今在华东理工大学无机非金属材料学科，任副研究员。

研究方向

兼具材料、化学的学术背景，主要从事光功能材料和新能源材料的研究，包括发光材料、白光 LED 封装和锂离子电池用材料等。

研究成果及主要发表文章

Projects:

- 1.Charge in the project “electrostatic coating for the white LED with the remote phosphor” supported by a company in shanghai.
- 2.The leader of the project “Investigation of wide band excitation upconversion phosphor for the third generation Si-base solar cell” supported by the funds of National Natural Science Foundation of Shanghai.
- 3.As a leader, taking part in the project “Investigation of silver paste without Pb for high efficient c-Si solar cell” supported by the funds of science and technology commission of shanghai municipality.
- 4.Charge in the project “Study on the structure and properties of anti-violet light coating” supported by a company.
- 5.Charge in the project “ Application of modified nano-TiO₂ aqueous sol in the field of environment protect” supported by a company.
- 6.Charge in the project “Preparation and Application of nano-TiO₂ protection film for fluorescent lamp”, product about 5t/month of the nano-TiO₂ aqueous sol now.
- 7.Participating in the project “Preparation and Development of phosphors used in White-LEDs” supported by the funds of Pudong Science and Technology Foundation, Shanghai, China.

List of Publications:

- 1.Hongdan Zhang, Ludan Zhu, Jun Cheng, Long Chen, Chuanqi Liu and Shuanglong Yuan *,Morphologically Controlled Synthesis of Cs₂SnCl₆ Perovskite Crystals and Their Photoluminescence Activity, Crystals, 2019,9:258
- 2.Hongdan Zhang, Ludan Zhu, Jun Cheng, Long Chen, Chuanqi Liu and Shuanglong Yuan *,Photoluminescence Characteristics of Sn²⁺ and Ce³⁺-Doped Cs₂SnCl₆ Double-Perovskite Crystals, Materials, 2019,12:1501
- 3Yuan Shuanglong, Wang Luting, Xia Binbin, Zhang Hongdan, Yang Yunxia, Chen Guorong, Upconversion luminescent properties and mechanisms of bulk La₂O₂CN₂: Er³⁺/Yb³⁺ phosphors , CERAMICS INTERNATIONAL, 2017, 43(17) : 16018~16022
- 4.Yang, Chongwen; Tong, Hua; Luo, Chuanpeng; Yuan, Shuanglong; Chen, Guorong; Yang, Yunxia, Boehmite particle coating modified microporous polyethylene membrane: A promising separator for lithium ion batteries , JOURNAL OF POWER SOURCES, 2017, 348: 80~86
- 4Yuan Shuanglong , Wang Luting; Yang Yunxia, Chevire Francois, Tessier Franck, Chen, Guorong, Novel color-tunable Gd₂O₂CN₂:Tb³⁺, Eu³⁺ phosphors: Characterization and photoluminescence properties, Ceramics International, 2016, 42(10): 12508~12511
- 6.Shuanglong YUAN*, Luting WANG, Zhaofeng CUI, Yunxia YANG, Huidan ZENG, Francois CHEVIRE, Franck TESSIER, Guorong CHEN, Color-Tunable Eu²⁺ activated oxysilicate phosphors with oxyapatite structure, Journal of Materials science and applications, 2015,1(2):33-37
- 7.ShuanglongYuan,HuidanZeng,XuanshunWu,ZhaoLiu,JingRen,Guorong Chen,Zhaofeng Wangand LuyiSun,Significant enhancement of visible up-conversion emissions of Y₂O₂S:Er³⁺ phosphors by Mn²⁺ sensitizing under 1550 nm excitation, RSC Advances, 2014, 4, 16710-16715
- 8.Liu, Yinyao, Yuan, Shuanglong**,Xie, Jun, Shangguan, Futiao,Ren, Jing, Chen, Guorong, A Study on Crystallization Kinetics of Thermoelectric Bi₂Se₃ Crystals in Ge-Se-Bi Chalcogenide Glasses by Differential Scanning Calorimeter,Journal of American Ceramic Society, 2012,96(7) ,2141-2146
- 9.Jing Ling, Shuanglong YUAN***, Yunxia Yang,The anti-reflection coatings (SiO₂/SiO₂-TiO₂/TiO₂) for silicon solar cell using an aqueous sol technique, journal of rare .
- 10.Shuanglong Yuan, Yunxia Yang, Francois Chevire, Franck Tessier, Guorong Chen, Photoluminescence of Eu²⁺ doped strontium cyanamide-A novel host lattice for Eu²⁺, Journal of American Ceramic Society, 2010,93(10),3052-3055
- 11.Xuanshun Wu, HuidanZeng, Qing Yu, Chaxing Fan, Jing Ren, Shuanglong Yuan**,Luyi Sun, Controlled growth and up-conversion luminescence of Y₂O₂S:Er³⁺phosphor with the addition of Bi₂O₃, RSC Advances, 2,9660-9664,2012
- 12.Shuanglong Yuan,Yunxia Yang, Xianghua Zhang, Franck Tessier, François Cheviré, Jean-Luc Adam, Bernard Moine, and Guorong Chen,Eu²⁺ and Mn²⁺ doped Ba₂Mg(BO₃)₂-new red phosphor for white LEDs, Optical Letters, 2008, 33(23)
- 13.Yuan Shuanglong,YangYunxia, Fang Bin, Chen Guorong, Effects of doping ions on afterglow properties of Y₂O₂S:Eu phosphors, Opt. Mater. 30(4),2007:535-538
- 14.Yuan Shuanglong, Chen Xianlin, Zhu Chaofeng, Yang Yunxia, Chen Guorong, Eu²⁺,Mn²⁺-co-doped (Sr,Ba)₆BP₅O₂₀ – A novel phosphor for white LED, Opt. Mater. 30(1),2007:192-194
- 15.Xiaoluan Liang, Shuanglong Yuan,Yunxia Yang &Guorong Chen, Optical properties of Tb³⁺—Sm³⁺-co-dopedB₂O₃—Al₂O₃—SrO glasses,Phys. Chem. Glasses: Eur. J. Glass Sci. Technol. B, 2010, 51 (4), 226–229
- 16.Xiaoluan Liang, Shuanglong Yuan,Yunxia Yang &Guorong Chen,The luminescence properties of Er³⁺-doped and Er³⁺—Tm³⁺-co-doped phosphate glasses for white light emitting diode,Journal of Luminescence 130 (2010) 429–433