

Teacher information			
Name	Jingjing Zhang	Gender	Female
Title	Lecturer	Education	Doctor
Phone	0411-86323708	Email	zhangjj@dlpu.edu.cn
Adress	Light industry court on the 1st, Ganjingzi District, Dalian city	Zip code	116034

Personal profile

Jingjing Zhang, born in 1982, a postdoctoral fellow at Dalian University of Technology, graduated from Hohai University in 2013 with a doctoral degree in materials science.

Research(field) direction

The main research directions are inorganic non-metallic materials, surface engineering, coating deposition process numerical simulation. In the past five years, I have been responsible for one project of China Postdoctoral Science Fund and three projects of provincial and ministerial. One of National Natural Science Foundation of China, one pre-project education project supported by Ministry of education, and one project of industrialization of scientific research achievements of higher education institutions in Jiangsu Province.

Representative writings and articles

1. **Jingjing Zhang**, Zhixing Wang, Miao Li, Zehua Wang, Tingju Li, Zhiqiang Wang. Evaluation of adhesion and mechanical properties of plasma sprayed NiCrAl/Al₂O₃-13wt.%TiO₂ coatings. Journal of Adhesion Science and Technology, 2017, 10: online doi.org/10.1080/01694243.2017.1385124
2. P. Xiao, **J.J. Zhang***, L.F. Shen, Z.Q.Wang, E.Y.B. Pun, H. Lin. Color tunability of Sm³⁺ doped antimony phosphate glass phosphors showing broadband fluorescence. Journal of Luminescence, 2016(178): 147-155(SCI收录)
3. P.Xiao, **J. J. Zhang***, Z. Q. Wang, H. Lin. Photon conversion and radiation synergism in Eu/Tb complexes incorporated poly methyl methacrylate. Advances in Materials Science and Engineering, 2016, 2016: 1-11(SCI收录)
4. Peng Xiao, Weizhen Zhang, **Jingjing Zhang***, Zhiqiang Wang, Hai Lin. 基于铈磷酸盐玻璃宽带发射的钐离子荧光色彩调谐, 硅酸盐学报, 2016, 44(6): 843-848 (Ei收录)
5. Quan Shen, **Jingjing Zhang***, Ming liu, Zhiqiang Wang, Xi Zhao. 波导制备用铈铈掺杂磷酸盐玻璃的光学光谱参数, 大连工业大学学报, 2017, 36(1):54-57 (中文核心)
6. Haitao Zhao, **Jingjing Zhang***, Zehua Wang, Pinghua Lin, Zhiqiang Wang. Adhesion and residual stress of plasma sprayed Alumina-titania coatings. Journal of Adhesion Science and Technology, 2015, 29(10): 991-1001(SCI收录)
7. **Zhang Jingjing***, Wang Zehua, Lin Pinghua, Wang Zhiqiang. Adhesion properties and fracture mechanism of plasma sprayed NiCrAl/ Al₂O₃-13wt.%TiO₂

- coatings by post annealing. *Journal of Adhesion Science and Technology*, 2015, 29: 256–270(SCI收录)
8. **Jingjing Zhang**, Zehua Wang*, Pinghua Lin. Effects of sealing on corrosion behaviour of plasma-sprayed Cr₂O₃–8TiO₂ coating. *Surface Engineering*, 2013, 29(8): 594-599 (SCI收录)
 9. **Zhang Jingjing**, Wang Zehua*, Lin Pinghua, Yuan Hongbin, Zhou Zehua, Jiang Shaoqun. Effect of Vacuum Annealing on the Characteristics of Plasma Sprayed Al₂O₃-13wt.%TiO₂ Coatings. *Journal of thermal spray technology*, 2012, 21(5): 782-791 (SCI收录)
 10. **J.J.Zhang**, Z.H.Wang*, P.H.Lin, L.Q.Si, G.J.Shen, Z.H.Zhou, S.Q.Jiang, W.H.Lu. Corrosion of plasma sprayed NiCrAl/Al₂O₃–13wt-%TiO₂ coatings with and without sealing. *Surface Engineering*, 2012, 28(5): 345-350 (SCI收录)
 11. **Jingjing Zhang**, Zehua Wang*, Pinghua Lin, Wenhuan Lu, Zehua Zhou, Shaoqun Jiang. Effect of sealing treatment on corrosion resistance of plasma sprayed NiCrAl/Cr₂O₃-8wt.%TiO₂ coating. *Journal of thermal spray technology*, 2011, 20(3): 508-513 (SCI收录)
 12. **Jingjing Zhang**, Zehua Wang*, Pinghua Lin, Wenhuan Lu。封孔处理对等离子喷涂Cr₂O₃-8% TiO₂ 涂层耐腐蚀性能的影响, *材料科学与工艺*, 2010, 18(5): 378-383 (Ei收录)
 13. Yu Fu, Zhiqiang Wang, **Jingjing Zhang**, Shuwen Jiang, Hai Lin. Preparation and characterization of SrS:Eu²⁺0.02, Dy³⁺0.01 /polyvinyl butyral composites, *Opt. Eng.* 2017, 56(6), 067111 (SCI收录)
 14. Haining NIE, **Jingjing ZHANG**, Yajun QI, Zhiqiang WANG*, Hai LIN, Shuwen JIANG. Influence of composition on the structure and properties of SrO–Sb₂O₃–P₂O₅ low-melting sealing glasses. *Materials Science-Poland*, 2015, 33(4): 862-866(SCI收录)
 15. Wenhuan Lu, Yuping Wu*, **Jingjing Zhang**, Sheng Hong, Jianfeng Zhang, Gaiye Li. Microstructure and Corrosion Resistance of Plasma Sprayed Fe-Based Alloy Coating as an Alternative to Hard Chromium, *Journal of thermal spray technology*, 2011, 20(5): 1063-1071(SCI收录)
 16. Jinran Lin, Zehua Wang*, Pinghua Lin, Jiangbo Cheng, **Jingjing Zhang**, and Xin Zhang. Microstructure and Corrosion Resistance of Fe-Based Coatings Prepared by Twin Wires Arc Spraying Process, *Journal of thermal spray technology*, 2014, 23(3): 333-339(SCI收录)

Research achievements(awards, patents, etc.)

1. A photo-induced white light glass and its preparation technology, Patent No: 201510896970.9
2. A method for using rare earth complex to preparing nanofluorescent fiber, application number: 201610987393.9
3. A method for preparing a rare earth luminescent fiber, application number: 201610986316.1
4. A plasma spraying ceramic coating modified glass powder, preparation method and application, application number: 201710444325.2

5. Development of Digital Travel Controlled Ceramic Coated Piston Rod Hydraulic Cylinder, 2009, Second Prize of Dayu Water Conservancy Science and Technology Award (DYJ20090322-G06)
6. Digital travel control ceramic coated piston rod cylinder, 2009, First prize of Wujin District science and technology progress award, Changzhou, Jiangsu Province (090028)
7. Research products identified by the Ministry of Water [Kam character (2008) No. 63], and put into mass production.