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| 国奖.gif  **座右铭：**不论成功还是失败，都是系于自己  **QQ：**948107325  **电话：**13218008533  **Email:** 15671615302@163.com |  | **【学习与研究经历】**  2017.09-至今 南京航空航天大学 博士研究生  2014.09-2017.06 武汉科技大学 硕士研究生  2010.09-2014.06 河南理工大学 工学学士  **【研究方向与课题】**  现主要从事三维网状Al2O3-ZrO2基结构陶瓷强化机理与孔隙结构优化方法研究  **【研究论文与专利】**   1. **Ruoyu Chen**, Wenbao Jia, Qing Shan, et al. A novel design of Al2O3-ZrO2 reticulated porous ceramics with hierarchical pore structure and excellent properties. *Journal of the European Ceramic Society*. 39 (2019) 1877-1886. 2. **Ruoyu Chen**, Wenbao Jia\*, Daqian Hei, et al. Toward excellent performance of Al2O3-ZrO2 reticulated porous ceramics: New insights based on residual stress. *Ceramics International*. 44 (2018) 21478-21485. 3. **Ruoyu Chen**, Wenbao Jia\*, Yufan Wang, et al. Optimization of the microstructure and properties of Al2O3-ZrO2 reticulated porous ceramics via in-situ synthesis of mullite whiskers and flowing-liquid phase. *Materials Letters*. 243 (2019) 66-68. 4. **Ruoyu Chen**, Wenbao Jia\*, Dong Lao, et al. Preparation of novel reticulated porous ceramics with hierarchical pore structures. *Journal of Alloys and Compounds*. 806 (2019) 596-602. 5. **Ruoyu Chen**, Wenbao Jia, Dong Lao, et al. A novel approach to process high-performance lightweight reticulated porous materials. *Construction and Building Materials*.227 (2019) 116653. 6. **Ruoyu Chen**, Wenbao Jia\*, Xiaoyang Xu, et al. Optimization of the corrosion behavior of mullite-SiC castable against alkali vapor via coating high temperature glaze. *Journal of Alloys and Compounds*. 770 (2019) 945-951. 7. **Ruoyu Chen**, Wenbao Jia\*, Xiaoyang Xu, et al. Improve of the alkali corrosion resistance and mechanical properties of corundum castables by coating of Li2O-Al2O3-SiO2 glaze. *Journal of the Australian Ceramic Society*. 55 (2019) 703-710. 8. **Ruoyu Chen**, Daqian Hei, Shujing Li, et al. Environment-oriented low-cost Al2O3 ceramics with hierarchical pore structure fabricated from SiC solid waste. *International Journal of Applied Ceramic Technology*. DOI: 10.1111/ijac.13389. 9. Dong Lao, Wenbao Jia, Shujing Li, Daqian Hei, **Ruoyu Chen\*.** Effect of residual compressive stress on thermal shock resistance and microstructure of Al2O3-ZrO2 reticulated porous ceramics. *Materials Research Express*. DOI: 10.1088/2053-1591/ab4162国奖.gif. 10. **Ruoyu Chen**, Yuanbing Li\*, Kai Huang, et al. Effect of inorganic acid on the phase transformation of alumina. *Journal of Alloys and Compounds*.699 (2017) 170-175. 11. **Ruoyu Chen**, Yuanbing Li\*, Ruofei Xiang, et al. Effect of particles size of fly ash on the properties of lightweight insulation materials. *Construction and Building Materials*. 123 (2016) 120-126 12. 贾文宝, **陈若愚**, 金利民, 等. 一种中子屏蔽泡沫陶瓷及其制备方法. 专利申请号201810257493.5   **座右铭：**不论成功还是失败，都是系于自己  **QQ：**948107325  **电话：**13218008533  **Email:** 15671615302@163.com   1. 贾文宝, **陈若愚**, 黑大千, 等. 一种多层骨架结构的刚玉-莫来石基泡沫陶瓷及其制备方法. 专利申请号201711105343.4  1. 贾文宝, **陈若愚**, 黑大千, 等. 一种氧化铝基泡沫陶瓷及其制备方法. 专利申请号: 201711106572.8  1. 贾文宝, **陈若愚**, 黑大千, 等. 一种多层结构的莫来石-堇青石基泡沫陶瓷及其制备方法. 专利申请号201711107545.2 2. 贾文宝, **陈若愚**, 黑大千, 等. 一种Al2O3-ZrO2基泡沫陶瓷及其制备方法. 专利申请号201711106562.4   **【学术会议与交流】**   1. “材料+” —2018面向苛刻环境的材料国际论坛，2018.10，南京   **【获奖与荣誉情况】**   1. 2019年度博士研究生国家奖学金 2. 2019年度南京航空航天大学三好研究生、科研创新先进个人 3. 2019年度国家留学基金委公派联合培养博士研究生奖学金 4. 2016年度硕士研究生国家奖学金   **【未来研究工作设想】**  面向国家废液处理等应用需求，致力开发工艺简单，成本低廉且有高强度、高韧性和抗侵蚀性能优异的多级孔隙结构的陶瓷过滤器，对我国高性能结构陶瓷材料产业具有推动作用  **国奖.gif【赠言与共勉】**  愿你成为自己喜欢的模样，不抱怨，有自由，有光芒 |