个人简历

尹奇异，男，博士，教授，硕士生导师。曾就读于同济大学、四川大学及安徽大学的材料科学与工程专业，长期从事新能源材料、铁电/压电材料、纳米光电催化材料及相关器件的研发，已经公开发表 SCI 检索论文 40 多篇，并担任 Journal of the American Ceramic Society 等多个学术期刊审稿人，授权发明专利 6 项，主持或参与完成了国家自然科学基金项目（No.61804039）、安徽省自然科学基金项目 (1708085ME112、1808085QE126)、安徽高校自然科学研究项目(KJ2017A533 、KJ2013B229)、合肥学院人才科研基金项目(16-17RC09)、合肥学院优秀青年人才支持项目(16YQ04RC)以及横向课题（2021 高性能压电陶瓷的改性制备研究）等多项相关课题的研究。近年研究成果如下：

一、发表论文：

[1] Xianzhao Zhang, Yulin Zhang, **Qiyi Yin***, et al. Structure and Properties of $(Bi_{0.45}Y_{0.05})Na_{0.5}(Zr_{0.85}Sn_{0.15})O_3$-doped $(K_{0.5}Na_{0.5})NbO_3$ Piezoelectric Ceramics[J], *Journal of Electronic Materials*. 2025, https://doi.org/10.1007/s11664-024-11691-9.

[2] Yulin Zhang, **Qiyi Yin***, Fei Lin, et al. Study on Structure and Energy Storage Performance of $Sr_{0.2}Ba_{0.8}ZrO_3$ Regulated $(Bi_{0.95}Sm_{0.05})_{0.5}Na_{0.5}TiO_3$ Ceramics[J], JOM, 2025, https://doi.org/10.1007/s11837-024-07077-1.

[3] Fan Si, **Qiyi Yin***, Chen Chen, et al. Effect of (Bi0.5Na0.5)(Zr0.5Ti0.5)O3 on the Phase Structure and Electrical Properties of (K0.5Na0.5)(Nb0.95Ta0.05)O3-Based Ceramics[J], *ECS J. Solid State Sci. Technol*. 2025, 14:014002-014009.

[4] Chen Chen, **Qiyi Yin***, Fei Lin, et al. Structural and energy storage properties of $LiTa_{0.97}Nb_{0.03}O_3$ modulated $(Ba_{0.5}Na_{0.5})_{0.7}Ba_{0.3}TiO_3$-based ceramics[J], *J Mater Sci-Mater El.* 2024, 35:1696-1707.

[5] Fei Lin, **Qiyi Yin***, Hao Zu, et al. Relaxation and energy storage properties of $NaNb_{0.98}Ta_{0.02}O_3$ modulated $(Na_{0.5}Bi_{0.5})_{0.935}Sr_{0.065}TiO_3$ ceramics[J], ***Ceramics International***. 2024, 50:36034-36041.

[6] Ruihua Zheng, Fei Lin, **Qiyi Yin***, et al. The ceramics based on $(Bi_{0.5}Li_{0.5})_{0.9}Sr_{0.1}ZrO_3$-doped $K_{0.44}Na_{0.55}Ag_{0.01}Nb_{0.95}Ta_{0.05}O_3$ exhibit enhanced structural and electric properties[J], *Applied Physics A-MaterialsScience & Processing*. 2024, 130:370-381.

[7] Xianzhao Zhang, **Qiyi Yin***, Hengwen Cheng, et al. Contribution of $(Bi_{0.45}Y_{0.05})Na_{0.5}ZrO_3$ to induced multiphase coexistence and enhanced piezoelectric properties of $K_{0.5}Na_{0.5}NbO_3$ lead-free ceramics[J], ***Materials Science & Engineering B***. 2024, 305:117416-117424.

[8] Ruihua Zheng, **Qiyi Yin***, Fei Lin, et al. The effect of $Bi_{0.5}Li_{0.5}ZrO_3$-$SrSnO_3$ composite doping on the construction of polymorphic phase boundaries and enhanced electrical properties of $K_{0.45}Na_{0.55}Nb_{0.965}Sb_{0.035}O_3$ piezoelectric ceramics[J], *ECS J. Solid State Sci. Technol*. 2024, 13:043008-043015.

[9] Fei Lin, **Qiyi Yin***, Hui Zhang, et al. The study on the increase of relaxation and energy storage properties of $(Na_{0.5}Bi_{0.5})_{0.935}Sr_{0.065}TiO_3$ ferroelectric ceramic doped with $Na_{0.7}Bi_{0.08}La_{0.02}NbO_3$[J], *J Mater Sci-Mater El.* 2023, 34:2227-2238.

[10] Ruihua Zheng, **Qiyi Yin***, Hengwen Cheng, et al. The effect of $(Bi_{0.5}Li_{0.5})_{0.9}Sr_{0.1}ZrO_3$ substitution on the construction of polymorphic phase boundary and high curie temperature of $K_{0.45}Na_{0.55}NbO_3$ piezoelectric ceramics[J], *J Mater Sci-Mater El.* 2023, 34:954-964.

[11] **Qiyi Yin**, Xianzhao Zhang, Hengwen Cheng, et al. Study on the structure and properties of $SrTiO_3$ modified $K_{0.5}Na_{0.5}NbO_3$ lead-free ceramics with a sintering aid of NiO[J], *ECS J. Solid State Sci. Technol.* 2022, 11:123001-123005.

[12] **Qiyi Yin**, Yu Wang, Quanzheng Zhang, et al. Structure and Properties of $K_{0.5}Na_{0.5}Nb_{0.96}Sb_{0.04}O_3$ Piezoelectric Ceramics doped by CuO[J], *Functional Materials Letters*. 2021, 14(6):2151042.

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[14] **Qiyi Yin**, Tian Changan, HU Shuting, et al. Structure and Electrical Properties of Piezoelectric Ceramics $Ba_{0.9}Ca_{0.1}Ti_{1-x}Sn_xO_3$ Sintered with CeO_2 Doping[J]. *MATERIALS REVIEW B*, 2017, 31(11): 26-29.

[15] **Qiyi Yin**, Zhaoqi Sun, Miao Zhang, et al. Structure and electrical properties of $K_{0.5}Na_{0.5}Nb_{0.94-x}Sb_{0.06}Sn_xO_3$ lead-free piezoelectric ceramics[J]. *J Alloys Compd*, 2015, 622(1-2): 132-136.

[16] **Qiyi Yin**, Zhaoqi Sun, Shiwei Shi, et al. Structure and Electrical Properties of Lead-free Piezoelectric Ceramics $Bi_{0.5}Na_{0.5}TiO_3$-$Ba_{0.94}Sr_{0.06}(Sn_{0.08}Ti_{0.92})O_3$[J], *Asian J Chem*, 2014, 26(6):1698-1700.

[17] Tian Changan, JI Bifa, **Yin Qiyi***, et al. Preparation and characterization of $Ce_{0.8}La_{0.2-x}Y_xO_{1.9}$

as electrolyte for solid oxide fuel cells[J], *J Rare Earth*, 2014, 32(12): 1162-1169.

[18] **Qiyi Yin**, Zhaoqi Sun, Shiwei Shi, et al. Structure and Electrical Properties of $K_{0.5}Na_{0.5}NbO_3$-$SrTiO_3$ Lead-free Piezoelectric Ceramics with $LiSbO_3$ Doping[J], *J Mater Sci-Mater El*. 2013, 24:4258-4262.

[19] **Qiyi Yin**, Zhaoqi Sun, Changan Tian, et al. Crystal Structure and Properties of Na_2O-modified $K_{0.47}Na_{0.47}Li_{0.06}Nb_{0.96}Sb_{0.04}O_3$-$SrTiO_3$ Piezoelectric Ceramics[J], *Asian J Chem*, 2013, 25(10):5655-5657.

[20] Shaobo Li, **Qiyi Yin***, Changan Tian, et al. Microstructure, Piezoelectric and Dielectric Properties of Lead-free Ceramics $K_{0.475}Na_{0.475}Li_{0.05}NbO_3$-$CaZrO_3$-CuO[J], *Asian J Chem*, 2013, 25(10):5753-5755.

[21] Changan Tian, Junliang Liu, **Qiyi Yin***, et al. Dielectric and Piezoelectric Properties of CuO-Doped $(Na_{0.5}K_{0.5})_{0.94}Li_{0.06}NbO_3$ Lead-Free Ceramics[J], *Asian J Chem*, 2013, 25(10):5744-5746.

[22] **Qiyi Yin**, Ming Ding, Yingying Zhou, et al. Structure and Ferroelectric Properties of $(Bi_{0.5}Na_{0.5})_{0.9}Ba_{0.07}Sr_{0.03}TiO_3$ Ceramics by Mn Doping[J], *Asian J Chem*, 2012, 24(9):4076-4078.

[23] **Qiyi Yin,** Shuoguo Yuan, Qiang Dong, et al. Microstructure and electrical properties of (K, Na, Li)NbO_3-Pb(Zr,Ti)O_3 piezoelectric ceramics[J]. *J Am Ceram Soc*, 2010, 93(1):167-170.

[24] **Qiyi Yin,** Shuoguo Yuan, Qiang Dong, et al. Effect of CuO and MnO_2 doping on electrical properties of $0.92(K_{0.48}Na_{0.54})NbO_3$-$0.08LiNbO_3$ under low-temperature sintering[J]. *J Alloys Compd*, 2010, 491(1-2): 340-343.

二、发明专利：

[1] 高压电性能多元系少铅压电陶瓷及其制备方法，授权专利号：ZL200810022558.4. 尹奇异，丁明等.

[2] 一种磷灰石型氧化物电解质粉末的制备方法(CN101186287A)，田长安，尹奇异等.

[3] 一种具有二维纳米孔腔结构的十二钨酸盐晶体材料及其制备方法，授权专利号：ZL201910013498.8，张全争，梁升，尹奇异等.

[4] 一种 MoS_2/TiO_2 异质结构薄膜光催化剂的制备方法，授权专利号：ZL201810594547.7，杨蕾，孙兆奇，尹奇异等.

[5] 一种利用含碳高分子工业废弃品制备改性碳复合吸附剂的方法，授权专利号：ZL202010404590.X，阳杰，尹奇异，杨蕾等。

[6] 一种 CeO_2 基复合固体电解质材料及其制备方法，授权专利号：ZL202010332662.4，阳杰，尹奇异，朱德伦等.