


## Brief CV

<b>Name</b>	Gu Qilin	中文名	古其林	
<b>Gender</b>	Male	<b>Title</b> (Pro./Dr.)	Dr.	
<b>Position</b> (President...)	Research Fellow	<b>Country</b>	Singapore	
<b>University/ Department</b>	National University of Singapore/ Department of Materials Science and Engineering			
<b>Personal Website</b>	<a href="https://scholar.google.com.hk/citations?user=M51_gO8AAAAJ">https://scholar.google.com.hk/citations?user=M51_gO8AAAAJ</a>			
<b>Research Area</b>	piezoelectric ceramics; ceramic-based membranes; water treatment;			

### Brief introduction of your research experience:

After received the PhD degree under the supervisor of Prof. Kongjun Zhu in Materials Science and Engineering from Nanjing University of Aeronautics and Astronautics (NUAA) in 2017, Gu Qilin joined Prof. John Wang's group as a postdoctoral research fellow in Department of Materials Science and Engineering, National University of Singapore (NUS). During his PhD study, Dr. Gu focused on the controllable preparation of piezoelectric sodium niobate-based nanostructures, and explored their application as electronic ceramics and photocatalysts. Currently, Dr. Gu devoted most of his efforts to the design and fabrication of advanced membranes (including ceramics, MOFs and their derivatives) for water and waste water treatment.

### Selected publications:

1. **Qilin Gu**, Wanheng Lu, Qiaomei Sun, Kongjun Zhu\*, *et al.*, Revealing the hydrothermal crystallization mechanism of ilmenite-type sodium niobate microplates: the roles of potassium ions, *CrystEngComm*, 2017, 19, 5966–5972. (*Selected as front cover*).
2. **Qilin Gu**, Qiaomei Sun, Kongjun Zhu\*, *et al.* Low-temperature sintering and enhanced dielectric properties of alkali niobate ceramics prepared from solvothermally synthesized nanopowders, *Ceram. Int.*, 2017, 43, 1135-1144.
3. **Qilin Gu**, Kongjun Zhu\*, *et al.* Metastable cubic phase of sodium niobate nanoparticles stabilized by chemically bonded solvent molecules, *Phys. Chem. Chem. Phys.*, 2016, 18, 33171-33179.
4. **Qilin Gu**, Kongjun Zhu\*, *et al.* Modified-Solvothermal Strategy for Straightforward Synthesis of Cubic NaNbO<sub>3</sub> Nanowires with Enhanced Photocatalytic H<sub>2</sub> Evolution, *J. Phys. Chem. C*, 2015, 119, 25956–25964.
5. **Qilin Gu**, Kongjun Zhu\*, *et al.* One-step Surfactant-free Hydrothermal Synthesis of Plate-like Sodium Niobate Template Powders, *J. Am. Ceram. Soc.*, 2014, 97(11), 3360–3362.
6. **Qilin Gu**, Kongjun Zhu\*, *et al.* Rod-like NaNbO<sub>3</sub>: mechanisms for stable solvothermal synthesis, temperature-mediated phase transitions and morphological evolutions. *RSC Adv.*, 2014, 4 (29), 15104

-15110.

**\*\*\*\*\*All the columns need to be filled in.**