

# Special Issue

## Ionic Transport Membranes

### Message from the Guest Editor

We are pleased to announce a Special Issue entitled "Ionic Transport Membranes" in the journal *Materials*. The Special Issue seeks contributions from esteemed researchers and experts in the field in order to elucidate various aspects of ionic transport membranes. We welcome both original research papers and comprehensive reviews addressing membranes crafted from diverse materials, such as polymers, ceramics, liquid, metals or hybrid compositions, and topics including, but not limited to, the following:

- **New membrane materials** with enhanced properties and functionalities;
- **Novel microstructures** for enhanced ion sieving capabilities;
- **Characterization techniques** for assessing the performance and efficiency of ion transport membranes;
- **Developments in membrane architecture** to optimize ion selectivity and transport rates;
- **Advancements in manufacturing techniques** for the large-scale production of high-quality membranes;
- **Membrane reactors** for integrated and efficient processes in various applications.

### Guest Editor

Dr. Guangru Zhang

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### Deadline for manuscript submissions

closed (20 May 2025)



## Materials

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## About the Journal

### Message from the Editor-in-Chief

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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### Editor-in-Chief

Prof. Dr. Maryam Tabrizian

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