

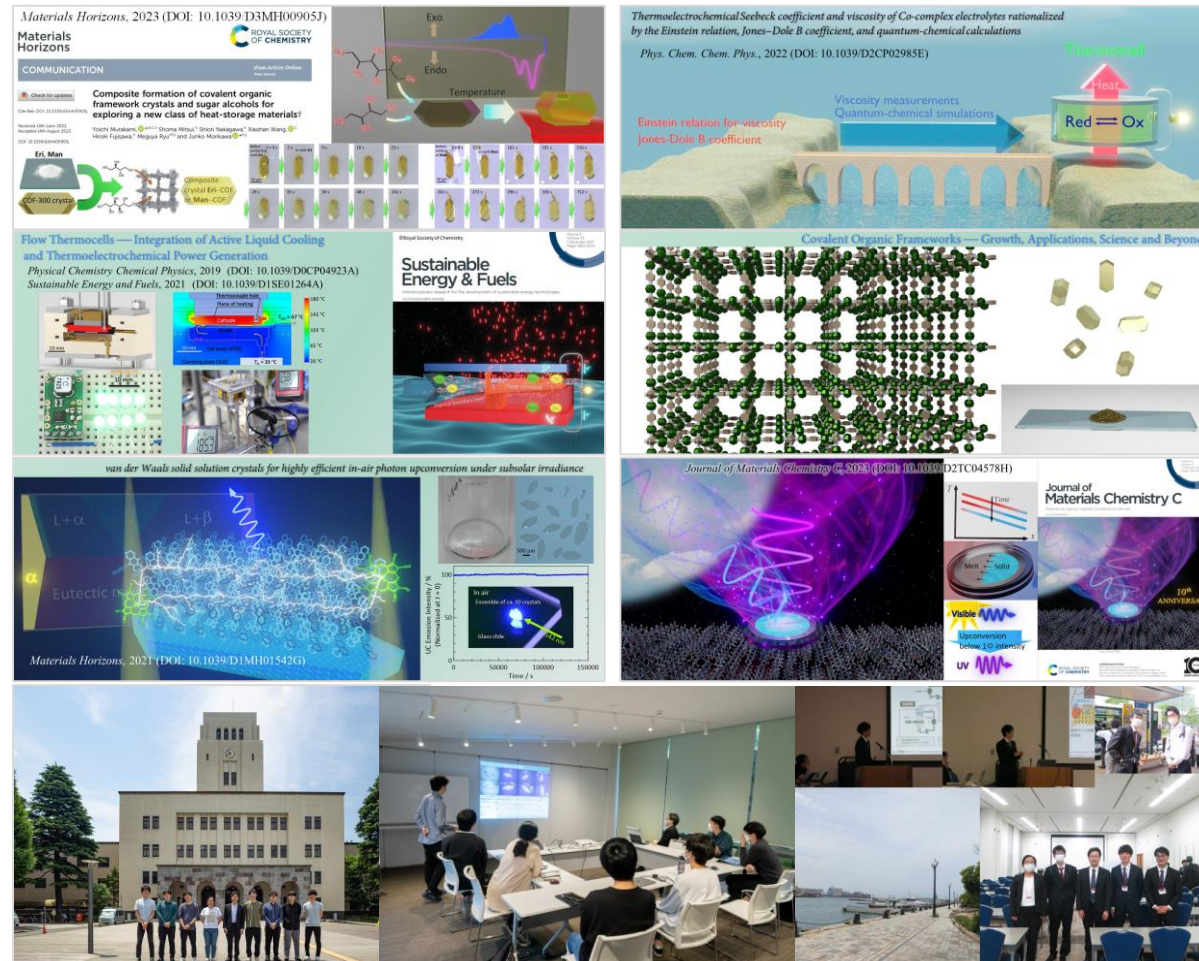
• Research Areas and Topics:

Energy and Environmental Technologies

- Next-generation solid CO₂ adsorbents that achieve low thermal energy consumption
- All-solid-state battery materials that achieve ultrahigh ion conductance
- Technology to utilize waste thermal energy (thermoelectrochemical cells, forced-flow thermocells)
- Materials that convert unused solar energy into usable wavelengths (photon upconversion)

• Appealing Points of the Lab:

- Good communication, research facilities, and learning opportunities within the lab
- Innovative and original research highly sought after by companies
- Almost all students in our group are paid for research assistantships



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