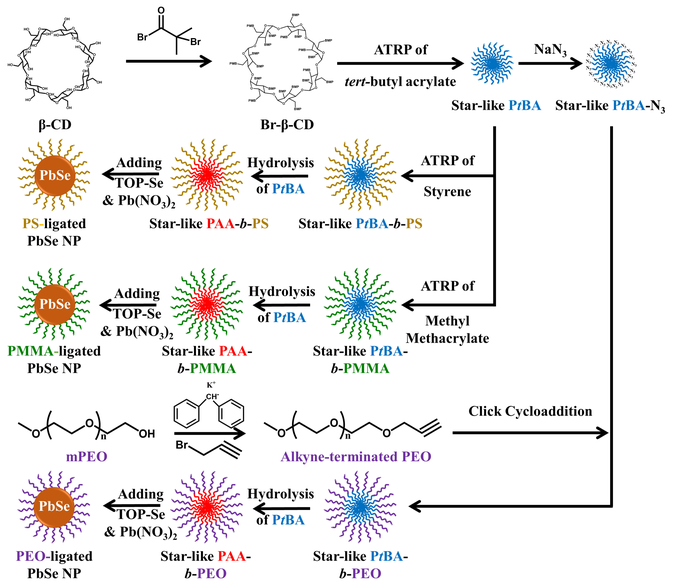
Nanostructured Functional Materials Research Group

Gill Biesold, Shuang Liang, Christopher Sewell, Mingyue Zhang, Woosung Choi, Rachel Lawless, Shiqi Wei, Jinyoung Choi, **Prof. Zhiqun Lin***

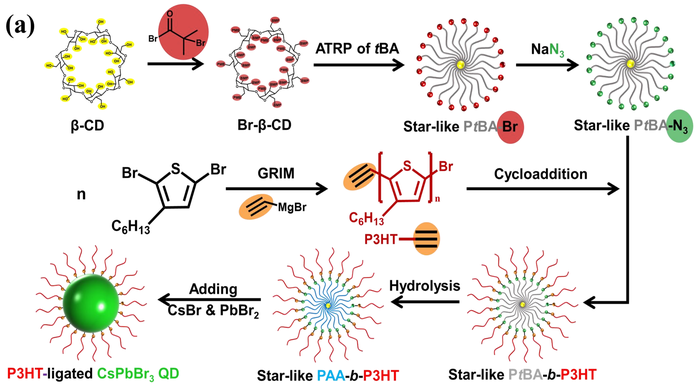
Materials Science and Engineering, Georgia Institute of Technology

Nanoreactor

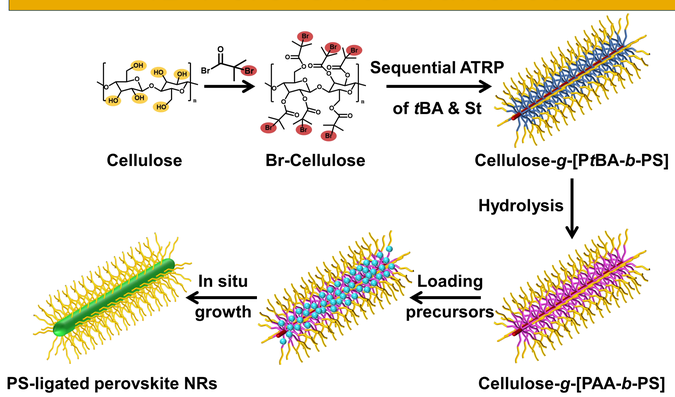
Tunable Surface Chemistry of QDs



Conjugated Polymer-Ligated Perovskite QDs

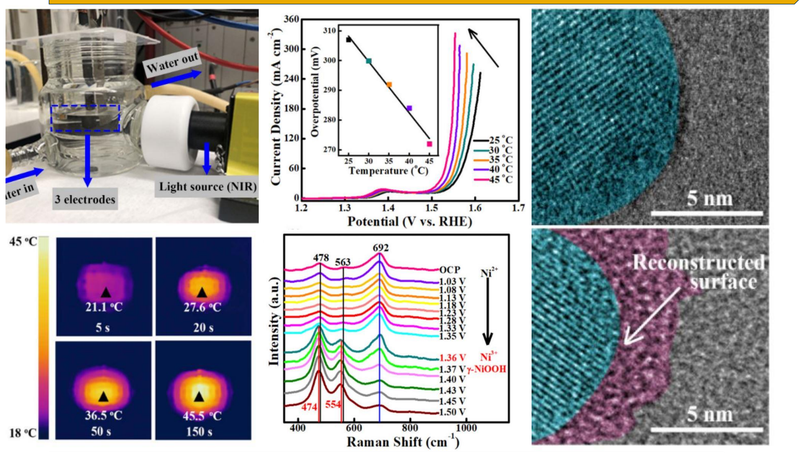


1D Perovskite Nanorods

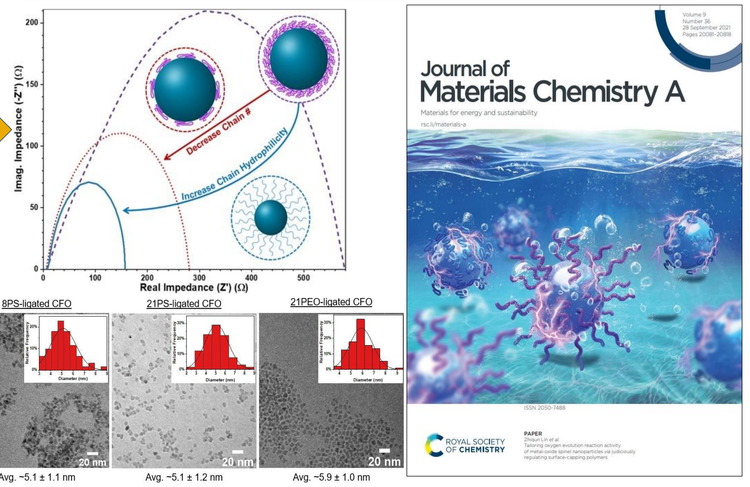


Electrochemistry

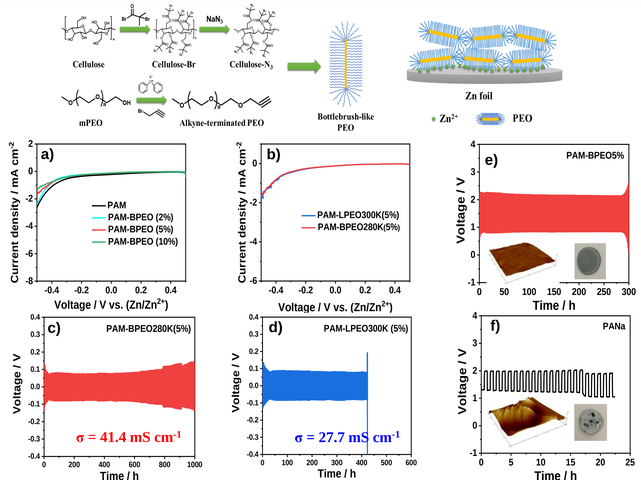
Photothermal Assisted Catalysis



Polymer-Capped NPs for OER

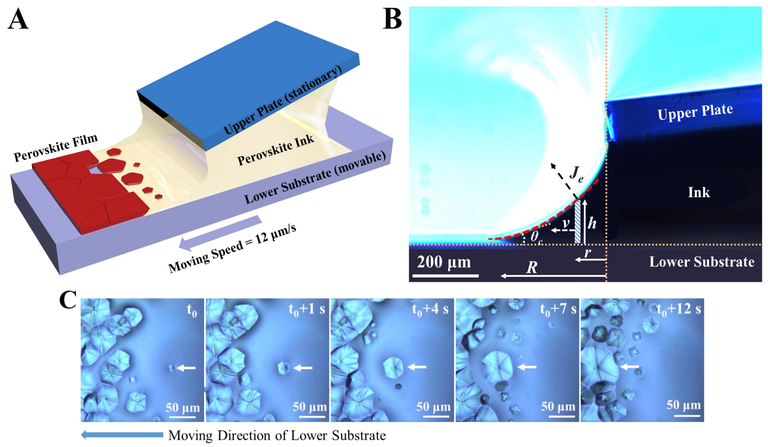


Polymer Electrolytes for Zn-Air Battery

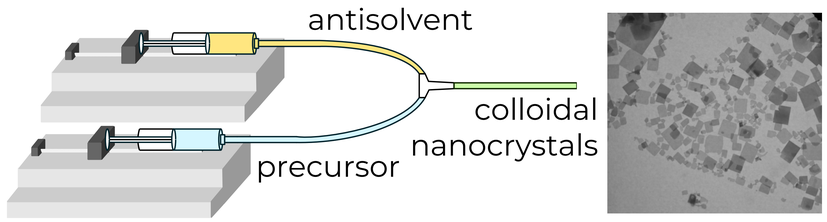
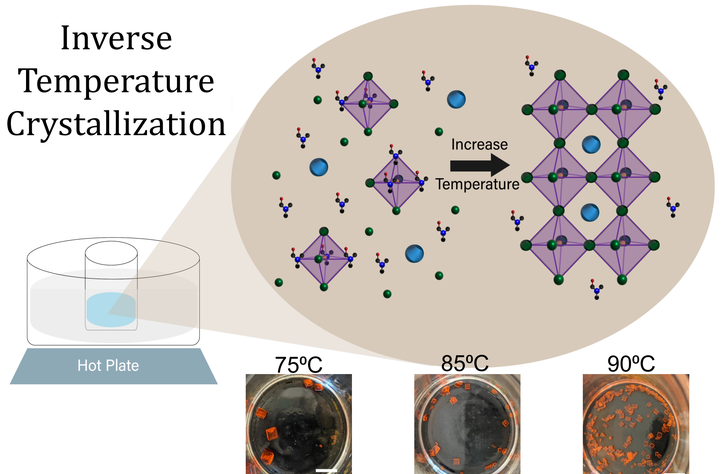


Solar Energy Conversion

Printed Perovskite Solar Cells



Flow Reactor for Mass Producing Perovskite NCs



Perovskite Single Crystals