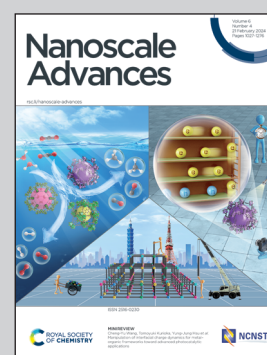


Showcasing research from Professor Oaki's laboratory,
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Technology, Keio University, Yokohama, Japan.

Morphology and size control of an amorphous conjugated
polymer network containing quinone and pyrrole moieties *via*
precipitation polymerization

The polymerized structures of functional molecular units, such
as main- and side-chain, ladder, and two-dimensional structures,
have effects on their properties. Our group has focused on
amorphous conjugated polymer networks, a new type of
polymerized structures, distinguished from the other higher
crystalline assemblies as the conventional types. A precipitation
polymerization method, an efficient stabilizer-free route to
obtain polymer microspheres, was developed for control
over the size and morphology of an amorphous conjugated
polymer network containing redox-active benzoquinone and
heteroaromatic pyrrole moieties.

As featured in:



See Yuya Oaki *et al.*,
Nanoscale Adv., 2024, **6**, 1084.