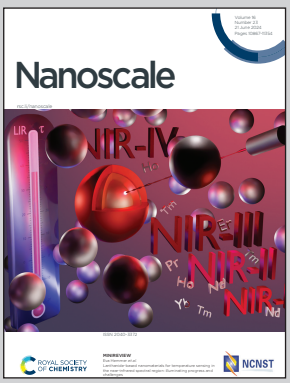
Showcasing research from the Personick Research Group, Department of Chemistry, University of Virginia, Charlottesville, Virginia, USA.

Troubleshooting the influence of trace chemical impurities on nanoparticle growth kinetics *via* electrochemical measurements

Just as sheet music represents a benchmark for reproducing a musical performance, work by Halford, McDarby, *et al.* demonstrates that open-circuit potential measurements of colloidal nanoparticle syntheses provide a way of benchmarking the real-time chemistry of nanoparticle growth. This information can then be used to streamline troubleshooting of irreproducibility in nanoparticle synthesis and to directly translate colloidal syntheses methods to electrodeposition-based nanoparticle growth.

As featured in:



See Michelle L. Personick *et al.*, *Nanoscale*, 2024, **16**, 11038.

ROYAL SOCIETY OF CHEMISTRY

rsc.li/nanoscale

Registered charity number: 207890