

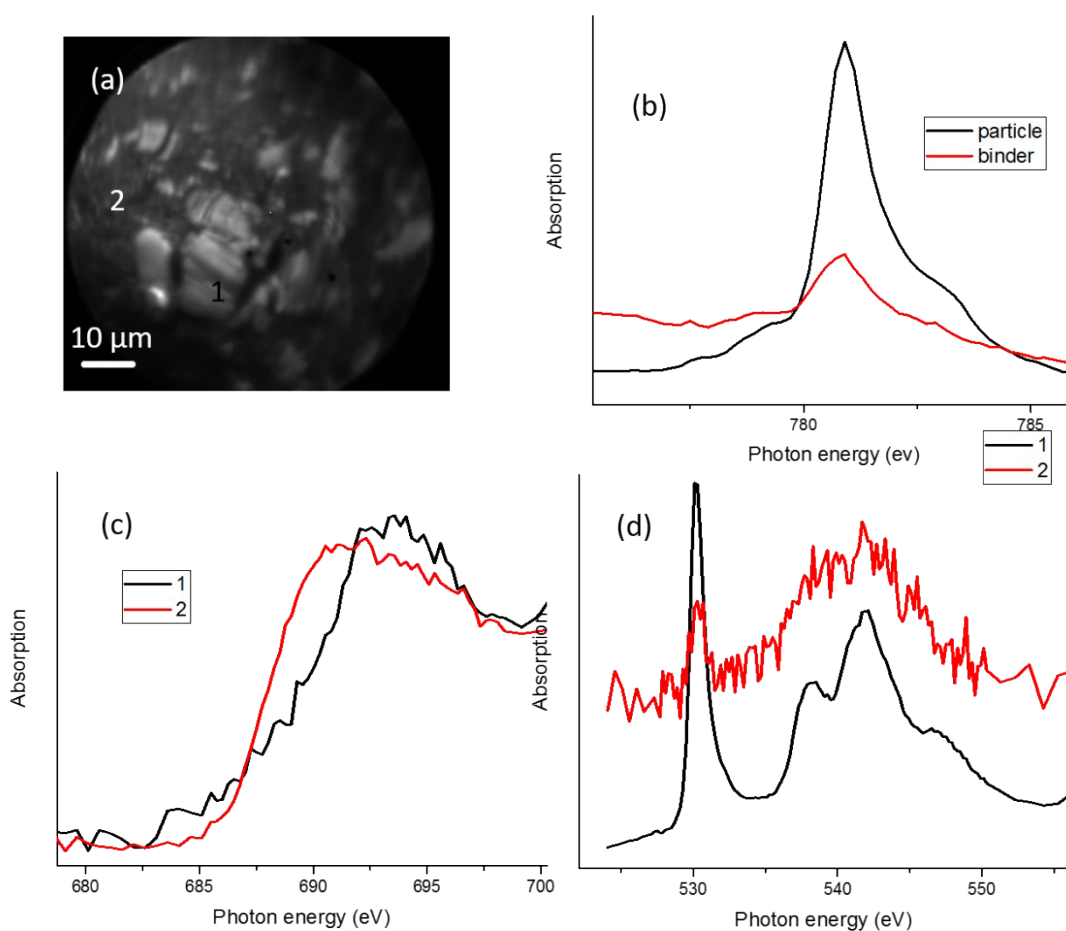
Supplemental materials

Nanoscale chemical imaging of the additive effects on the interfaces of high-voltage LiCoO₂ composite electrodes

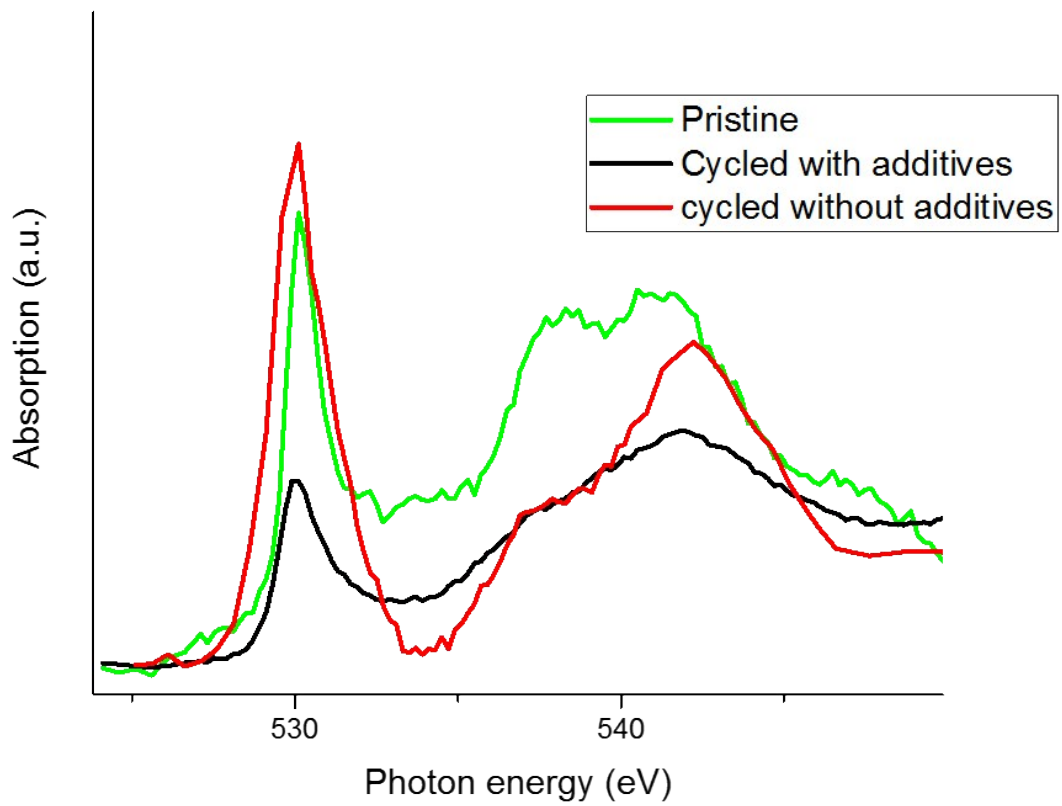
Jian Wang^a, Yajuan Ji^b, Narayana Appathurai^a, Jigang Zhou^a, Yong Yang^b

^a. Canadian Light Source Inc., Saskatoon, Canada. Fax: 1-306-6573535; Tel: 1-306-657-3587; E-mail: jigang.zhou@lightsource.ca;

^b. State Key Lab for Physical Chemistry of Solid Surfaces, Collaborative Innovation Center of Chemistry for Energy Materials (iChEM) and Department of Chemistry, Xiamen University, Xiamen 361005, People's Republic China. yyang@xmu.edu.cn



Support Fig. S1 Co (a) X-PEEM mapping of a pristine LCO electrode and XANES at Co L-edge (b), F K-edge (c), and O K-edge (d) from selected regions.



Support Fig. S2 X-PEEM O K-edge XANES of fine particles in pristine and cycled electrodes.