



In situ Compression and X-ray Computed Tomography of Flow Battery Electrodes

Rhodri Jervis , Matt D.R. Kok , Tobias P. Neville , Quentin Meyer , Leon D. Brown , Francesco Iacoviello , Jeff T. Gostick , Dan J.L. Brett , Paul R. Shearing

PII: S2095-4956(17)31195-6
DOI: [10.1016/j.jechem.2018.03.022](https://doi.org/10.1016/j.jechem.2018.03.022)
Reference: JECHEM 582

To appear in: *Journal of Energy Chemistry*

Received date: 31 December 2017
Revised date: 5 March 2018
Accepted date: 21 March 2018

Please cite this article as: Rhodri Jervis , Matt D.R. Kok , Tobias P. Neville , Quentin Meyer , Leon D. Brown , Francesco Iacoviello , Jeff T. Gostick , Dan J.L. Brett , Paul R. Shearing , In situ Compression and X-ray Computed Tomography of Flow Battery Electrodes, *Journal of Energy Chemistry* (2018), doi: [10.1016/j.jechem.2018.03.022](https://doi.org/10.1016/j.jechem.2018.03.022)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights:

- High quality X-ray CT of flow battery felts
- Felts imaged under a wide range of in situ compressions
- Parameters such as porosity, pore size distribution and tortuosity evaluated for the sample as a whole and at localised regions
- For the first time, in situ imaging of compression gives a better understanding of the porous media used in RFB electrodes

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/8953268>

Download Persian Version:

<https://daneshyari.com/article/8953268>

[Daneshyari.com](https://daneshyari.com)