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## List of Publications (updated 09/04/2018)

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### 2018

- A. Akbashev, L. Zhang, J. Mefford, J. Park, [B. Butz](#), H. Luftman, W. Chueh, A. Vojvodic, *Activation of Ultrathin SrTiO<sub>3</sub> with Subsurface SrRuO<sub>3</sub> for the Oxygen Evolution Reaction*, **Energy & Environmental Science** (2018), accepted for publication
- T. Przybilla, B. Apeleo-Zubiri, A. Beltran, [B. Butz](#), A. Machoke, A. Inayat, M. Distaso, W. Peukert, W. Schwieger, E. Spiecker, *Transfer of individual micro- & nanoparticles for high-precision 3D analysis using 360° electron tomography*, **Small Methods** 2 (2018), 1700276, DOI: 10.1002/smt.201700276

### 2017

- Y. Li, Y. Li, A. Pei, K. Yan, Y. Sun, C.-L. Wu, L.-M. Joubert, R. Chin, A.L. Koh, Y. Yu, J. Perrino, [B. Butz](#), S. Chu, Y. Cui, *Atomic structure of sensitive battery materials and interfaces revealed by cryo-electron microscopy*, **Science** 358 (2017), 506–510, DOI: 10.1126/science.aam6014
- Y. Li, Y. Li, Y. Sun, [B. Butz](#), K. Yan, A.L. Koh, J. Zhao, A. Pei, Y. Cui, *Revealing Nanoscale Passivation and Corrosion Mechanisms of Reactive Battery Materials in Gas Environments*, **Nano Lett.** 17 (2017), 5171–5178, DOI: 10.1021/acs.nanolett.7b02630
- F. Niekietel, S.M. Kraschewski, J. Müller, [B. Butz](#), E. Spiecker, *Local Temperature Measurement in TEM by Parallel Beam Electron Diffraction*, **Ultramicroscopy** 176 (2017), 161–169, DOI: 10.1016/j.ultramic.2016.11.028
- [B. Butz](#), A.L. Koh, R. Sinclair, *Unveiling the Atomistic Processes of the Accelerated Decomposition of 8.5 mol% Y<sub>2</sub>O<sub>3</sub>-stabilized ZrO<sub>2</sub> by Environmental TEM*, **Microsc. and Microan.** 23 (2017), 2034–2035, DOI: 10.1017/S1431927617010832
- [B. Butz](#), C. Dolle, F. Niekietel, E. Spiecker, K. Weber, B. Meyer, D. Waldmann, F. Kisslinger, H.B. Weber, S. Shallcross, C. Halbig, S. Eigler, C. Ophus, *Hidden Defects and Unexpected Properties of Graphene — How Advanced TEM Contributes to Materials Development*, **Microsc. Microan.** 23 (2017), 1752–1753, DOI: 10.1017/S1431927617009424
- B.D. Wilts, B. Apeleo Zubiri, M.A. Klatt, [B. Butz](#), M.G. Fischer, S.T. Kelly, E. Spiecker, U. Steiner, G.E. Schröder-Turk, *Butterfly gyroid nanostructures as a time-frozen glimpse of intracellular membrane development*, **Science Advances** 3 (2017), e1603119, DOI: 10.1126/sciadv.1603119
- M. Distaso, B. Winter, A. Mohtasebi, A. Inayat, M. Dudák, P. Kocić, [B. Butz](#), R. Klupp Taylor, W. Schwieger, E. Spiecker, W. Peukert, *Three-dimensional and quantitative reconstruction of non-accessible internal porosity in hematite nanoreactors using 360° electron tomography*, **Micropor. Mesopor. Mat.** 246 (2017), 207–214, DOI: 10.1016/j.micromeso.2017.03.028

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