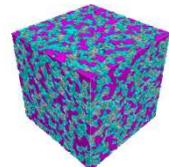


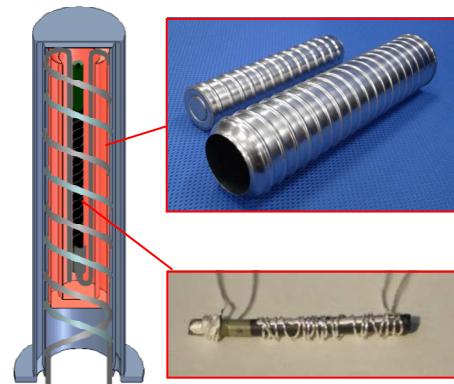
Research on Solid Oxide Fuel Cell

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Multi-scale experimental and numerical studies are carried out for Solid Oxide Fuel Cells.

Compact thermally sustainable SOFC module

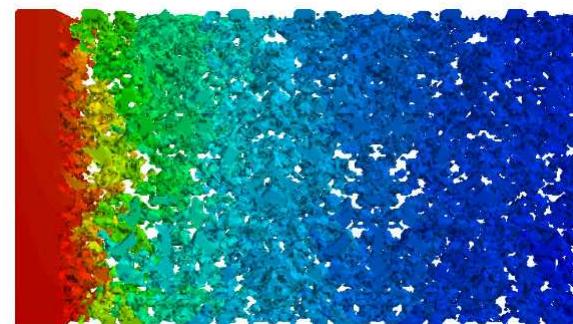


M. Nishi et al., to be submitted.

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Electrode polarization simulation by LBM

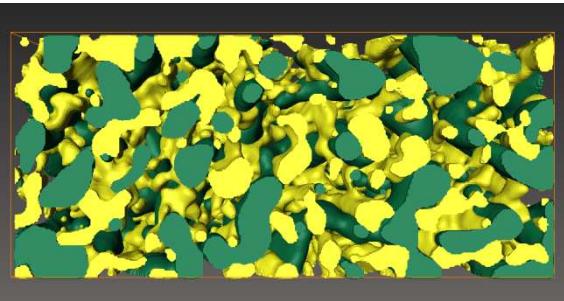


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N. Shikazono et al., *J. Electrochem. Soc.*, 157 (2010), B665.
 doi:10.1149/1.3330568

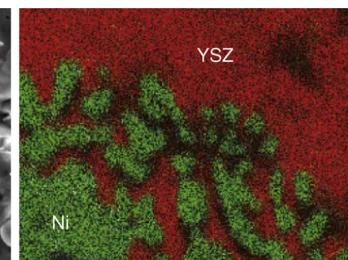
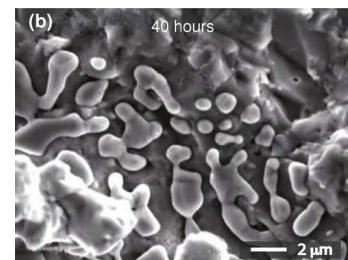
3D reconstruction of electrode microstructure using FIB-SEM



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Morphological change of Ni-YSZ anode under humidified conditions



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H. Iwai et al., *J. Power Sources*, 195 (2010), 955.
 doi:10.1016/j.jpowsour.2009.09.005

Z. Jiao et al., *J. Power Sources*, in press (2010).
 doi:10.1016/j.jpowsour.2010.08.047