

Selected Publications that Reference Scribner 850 Fuel Cell Test System

1. Atkinson R.W., Hazard M.W., Rodgers J.A., Stroman R.O. and Gould B.D., "An Open-Cathode Fuel Cell for Atmospheric Flight," *Journal of the Electrochemical Society*, **164**, F46-F54 (2017)
2. George M.G., Liu H., Banerjee R., Ge N., Shrestha P., Muirhead D., Lee J., Chevalier S.p., Hinebaugh J., Messerschmidt M., Zeis R., Scholta J. and Bazylak A., "Accelerated Degradation of Polymer Electrolyte Membrane Fuel Cell Gas Diffusion Layers: Mass Transport Resistance and Liquid Water Accumulation at Limiting Current Density with in operando Synchrotron X-ray Radiography," *ECS Transactions*, **75**, 89-100 (2016)
3. Lee J., Banerjee R., Ge N., Chevalier S.p., George M.G., Liu H., Shrestha P., Muirhead D., Hinebaugh J. and Bazylak A., "Performance Benefits of Multiwall Carbon Nanotubes in the Polymer Electrolyte Membrane Fuel Cell Gas Diffusion Layer," *ECS Transactions*, **75**, 237-244 (2016)
4. Omasta T.J., Peng X., Lewis C.A., Varcoe J. and Mustain W.E., "Improving Performance in Alkaline Membrane Fuel Cells through Enhanced Water Management," *ECS Transactions*, **75**, 949-954 (2016)
5. Kaspar R.B., Wittkopf J.A., Woodroof M.D., Armstrong M.J. and Yan Y., "Reverse-Current Decay in Hydroxide Exchange Membrane Fuel Cells," *Journal of the Electrochemical Society*, **163**, F377-F383 (2016)
6. Peng X., Omasta T., Rigdon W. and Mustain W.E., "Fabrication of High Performing PEMFC Catalyst-Coated Membranes with a Low Cost Air-Assisted Cylindrical Liquid Jets Spraying System," *Journal of the Electrochemical Society*, **163**, E407-E413 (2016)
7. Brodt M., Wycisk R., Dale N. and Pintauro P., "Power Output and Durability of Electrospun Fuel Cell Fiber Cathodes with PVDF and Nafion/PVDF Binders," *Journal of the Electrochemical Society*, **163**, F401-F410 (2016)
8. Brodt M., Han T., Dale N., Niangar E., Wycisk R. and Pintauro P., "Fabrication, In-Situ Performance, and Durability of Nanofiber Fuel Cell Electrodes," *Journal of the Electrochemical Society*, **162**, F84-F91 (2016)
9. Vierrath S., Breitwieser M., Klingele M., Britton B., Holdcroft S., Zengerle R. and Thiele S., "The reasons for the high power density of fuel cells fabricated with directly deposited membranes " *Journal of Power Sources*, **326**, 170-175 (2016)
10. Wehkamp N., Breitwieser M., Büchler A., Klingele M., Zengerle R. and Thiele S., "Directly deposited Nafion/TiO₂ composite membranes for high power medium temperature fuel cells," *RSC Advances*, **6**, 24261-24266 (2016)
11. Breitwieser M., Moroni R., Schock J., Schulz M., Schillinger B., Pfeiffer F., Zengerle R. and Thiele S., "Water management in novel direct membrane deposition fuel cells under low humidification," *International Journal of Hydrogen Energy*, **41**, 11412-11417 (2016)
12. Secanell M., Putz A., Shukla S., Wardlaw P., Bhaiya M., Pant L.M. and Sabharwal M., "Mathematical Modelling and Experimental Analysis of Thin, Low-Loading Fuel Cell Electrodes," *ECS Transactions*, **69**, 157-187 (2015)

13. Shukla S., Domican K. and Secanell M., "Analysis of Kinetic Parameters and Effect of Pt Loading on Cell Performance of PEFC Electrodes Prepared by Inkjet Printing," *ECS Transactions*, **69**, 761-772 (2015)
14. Star A.G. and Fuller T.F., "FIB+SEM Tomography and Numerical Simulation of Corroded PEM Fuel Cell Cathodes," *ECS Transactions*, **69**, 431-441 (2015)
15. Breitwieser M., Klingele M., Britton B., Holdcroft S., Zengerle R. and Thiele S., "Improved Pt-utilization efficiency of low Pt-loading PEM fuel cell electrodes using direct membrane deposition," *Electrochemistry Communications*, **60**, 168-171 (2015)
16. Klingele M., Breitwieser M., Zengerle R. and Thiele S., "Direct deposition of proton exchange membranes enabling high performance hydrogen fuel cells," *Journal of Materials Chemistry A*, **3**, 11239-11245 (2015)
17. Yip R., Lee J., Hinebaugh J., Fishman Z., Ellis J.S., Botelho S.J., Kotaka T., Tabuchi Y. and Bazylak A., "(Plenary) Advanced Visualization Tools to Investigate PEM Fuel Cell Materials," *ECS Transactions*, **64**, 27-45 (2014)
18. Zhao D., Shui J., Grabstanowicz L. and Liu D.-J., "A Versatile Preparation of Highly Active ZIF-Based Non-PGM Catalysts through Solid State Synthesis," *ECS Transactions*, **64**, 253-260 (2014)
19. Wang Z., Xin L., Zhao X., Qiu Y., Zhang Z., Baturina O.A. and Li W., "Carbon supported Ag nanoparticles with different particle size as cathode catalysts for anion exchange membrane direct glycerol fuel cells," *Renewable Energy*, **62**, 556-562 (2014)
20. Qiu Y., Xin L., Chadderdon D.J., Qi J., Liang C. and Li W., "Integrated electrocatalytic processing of levulinic acid and formic acid to produce biofuel intermediate valeric acid," *Green Chemistry*, (2014)
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29. Xin L., Zhang Z., Wang Z. and Li W., "Simultaneous Generation of Mesoxalic Acid and Electricity from Glycerol on a Gold Anode Catalyst in Anion-Exchange Membrane Fuel Cells," *ChemCatChem*, **4**, 1105-1114 (2012)
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35. Gould B.D., Baturina O.A. and Swider-Lyons K.E., "Deactivation of Pt/VC proton exchange membrane fuel cell cathodes by SO₂, H₂S and COS," *Journal of Power Sources*, **188**, 89-95 (2009)
36. Garsany Y., Gould B.D., Baturina O.A. and Swider-Lyons K.E., "Comparison of the Sulfur Poisoning of PBI and Nafion PEMFC Cathodes," *Electrochemical and Solid-State Letters*, **12**, B138-B140 (2009)
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