

LITERATURE CITED

- Baglio, V., A.S. Aric`o, V. Antonucci, P.L. Antonucci, and V. Tricoli. 2005. Investigation of the electrochemical behaviour in DMFCs of chabazite and clinoptilolite-based composite membranes. **Electrochimica Acta.** 50: 5181-5188.
- DuPont. 2004. DuPontTM Nafion(R) PFSA Membranes N-112, NE-1135, N-115, N-117, NE-1110 perfluorosulfonic acid polymer. **Product infotmation.** 47: 1-4.
- Eco Generation Solution LLC. Companies. 2007. Phosphoric acid fuel cells. http://www.cogeneration.net/Phosphoric_Acid_Fuel_Cells.htm.
- Gil, M., X. Li, H. Na, J.E. Hampsey and Y. Lu. 2004. Direct synthesis of sulfonated aromatic poly(ether ether ketone) proton exchange membranes for fuel cell applications. **Journal of Membrane Science.** 234: 75-81.
- Jiang, R., M. James and Fenton. 2005. Investigation of membrane property and fuel cell behavior with sulfonated poly(ether ether ketone) electrolyte: Temperature and relative humidity effects. **Journal of Power Sources.** 150: 120-128.
- Kim, Y.M., H.C. Lee, K.K. Ming, Z. Hong and H.I. Lee. 2004. Organic-inorganic composite membranes as addition of SiO₂ for high temperature-operation in polymer electrolyte membrane fuel cells (PEMFCs). **Electrochimica Acta.** 49: 4787-4796.

- Kim, Y.S., F. Wang, M. Hickner, J.E. McGrath. and T.A. Zawodzinski. 2003. Fabrication and characterization of heteropolyacid (H₃PW₁₂O₄₀)/directly polymerized sulfonated poly(arylene ether sulfone) copolymer composite membranes for higher temperature fuel cell applications. **Journal of Membrane Science.** 212: 263-282.
- Kwak, S.H., C.S. Kim and K.H. Yoon. 2004. Polymer composite membrane incorporated with a hygroscopic material for high-temperature PEMFC. **Electrochimica Acta.** 50: 653-657.
- Lohsoontorn, P.K. 2006. Phase diagram of zeolites synthesized from perlite and rice husk ash. **Science asia.** 32: 13-16.
- Mecham, J.B. 2001. Direct polymerization of sulfonated poly(arylene ether) random copolymers and poly(imide) sulfonated poly(arylene ether) segmented copolymer: new candidates for proton exchange membrane fuel cell material system. **Faculty of the Virginia Polytechnic Institute and State University.** 185.
- Ponce, M.L.. 2004. Organic-Inorganic hybrid membranes with heteropolyacids for DMFC applications. **University of Hamburg.** 150.
- Ramani V., and J.M. Fenton. 2004. Investigation of Nafion/HPA composite membranes for high temperature/low relative humidity PEMFC operation. **Journal of Membrane Science.** 232: 31-44.
- Shao, Z.G., I.M. Hsing. 2004. Preparation and characterization of hybrid Nafion–silica membrane doped with phosphotungstic acid for high temperature operation of proton exchange membrane fuel cells. **Journal of Membrane Science.** 229: 43-51.

- Wang, F., J.E. McGrath, Y.S. Kim, and T.A. Zawodzinski. 2002. Direct polymerization of sulfonated poly(arylene ether sulfone) random (statistical) copolymers: candidates for new proton exchange membranes. **Journal of Membrane Science.** 197: 231-242.
- Xiao, G. and D. Yan. 2002. Synthesis and characterization of novel sulfonated poly(arylene ether ketone)s derived from 4,4'-sulfonyldiphenol. **Polymer Bulletin.** 48: 309-315.
- Zhang, H., D. Wang, A. Li, X. Li, Z. Jiang. 2005. Sulfonated poly(arylene ether nitrile ketone) and its composite with phosphotungstic acid as materials for proton exchange membranes. **Journal of Membrane Science.** 264: 56-64.