

Reference

- [1]. Anandan. S, et al " Heteropolyacid-encapsulated TiHY zeolite as an inorganic photosynthesis reaction center mimicking the plant system" *Journal of Photochemistry and photobiology A chem.* 160 (2003) 181-184.
- [2]. Jeniver Maller, et al "Use heteropolyacid in membranes for the running of PEMFC at high temperature" www.rpi.edu/~xiayz/literature/sievc/mimicplant.pdf.
- [3]. Fangxia Feng, et al "Synthesis of proton conducting tungstosilicate mesoporous materials and polymer composite membrane" *Journal of Micropous and mesoporous materials* 81 (2005) 217-234.
- [4]. Hogarth. W.H.J, et al. " Solid acid membranes for high temperature (>140°C) proton exchange membrane fuel cells. *Journal of Power Sources* xxx (2005) xxx-xxx.
- [5]. Maxym Vasylyev, et al." Inorganic/Organic hybrid materials based on keggin type polyoxomethalates and organic polyammonium cations." *Journal of Molecular Structure* 656 (2003) 27-35.
- [6]. Pizzio, L.R, et al."Supported Keggin type heteropolycompounds for ecofriendly reaction". *Journal of applied catalysis A: General* 256 (2003) 125-139.
- [7]. Scott. D.H, et al. " Voltametry of phosphotungstic acid immobilized in tinplated silica gel" *Journal of electroanalytical chemistry.* 456 (1998) 239-243.
- [8]. David. R.V, et al. " Synthesis, characterization, and conductivity measurements of hybrid membranes containing a mono-lacunary heteropolyacid for PEM fuel cell application" *Journal of Power Sources*, 139 (2005) 141-151.
- [9]. Pietro Staiti, " Proton conductive Membranes Constituted of Silicotungstic Acid Anchored To Silica-Polybenzimidazole Matrices.
- [10]. Mukai. S.R, et al " Key factor for the encapsulation of Keggin type heteropolyacids in the super cages of Y-type zeolite" *Journal of chemical engineering science* 56 (2001) 799-804.
- [11]. Chandra. S, et al " Proton conductive gel electrolyte" *Journal of solid-state ionics* 154-155 (2002) 609-619.
- [12]. Sang-Hee Kwak. Et al."Nafion/Modernite hybrid membrane for high-temperature operation of polymer electrolyte membrane fuel cell." *Journal of Solid State Ionic's* 160 (2003) 309-315.
- [13]. Staiti. P, et al. " Hybrid Nafion-Silica membranes doped with heteropolyacids for application in direct methanol fuel cell". *Journal of Solid State Ionic's* 145 (2001) 101-107.
- [14]. Zhi-Gang Shao, et al."Preparation and characterization hybrid Nafion-Silica membrane doped with phosphotungstic acid for high temperature operation of proton exchange membrane fuel cells" *Journal of Membrane Science* 229 (2004) 43-51.
- [15]. Honma. I, et al. " Organic/Inorganic nano-composites for high temperature proton conducting polymer electrolytes". *Journal of Solid State Ionics* xx (2003) xxx-xxx.
- [16]. Aparicio. M, et al. "Synthesis and characterization of proton conducting styrene-co-methacrylate-silica sol-gel membranes containing tungstophosphoric acid" *Journal of Solid state ionics* xx (2004) xxx-xxx.
- [17]. Hsiu-Li Lin, et al."Effect of Triton -X on the preparation of Nafion/PTFE composite membranes. *Journal of Membrane Source* 237 (2004) 1-7.
- [18]. Saxena. V, and B.D Malhotra." Prospect of conducting polymers in molecular electronics" *Journal of Current Applied Physics*, 3 (2003) 293-305.
- [19]. Lin.C.W. et al. "PWA-doped PEG/SiO₂ proton-conducting hybrid membranes for fuel cell applications" *Journal of Membrane science* xxx (2005) xxx-xxx.
- [20]. Je- Deok Kim and Itaru Honma" Proton conducting Polydimethylsiloxane/metal oxide hybrid membranes added with phosphotungstic acid (II)" *Journal of Electrochimica Acta* 49 (2004) 3429-3433.
- [21]. Sang-Hee Kwak, et all. "Polymer composite membrane incorporated with hygroscopic material for high temperature PEMFC". *Journal of Electrochimica Acta.* 50 (2004) 853-657.
- [22]. Gyenge, E.L."Dimensionless numbers and correlating equation for the analysis of the membrane-gas diffusion electrode assembly in polymer electrolyte fuel cells" *Journal of Power sources* xxx (2005) xxx-xxx.