

## Marek Polański

Lista publikacji  
z dnia 30 października 2010

### Publikacje w czasopismach recenzowanych

1. Bystrzycki J., Polanski M., Perzyna K., 2007, *Badania materiałów do przechowywania wodoru w Wojskowej Akademii Technicznej*, *Chemik* 1: 19-20
2. Polanski M., Bystrzycki J., Plocinski T., 2008, *The effect of milling conditions on microstructure and hydrogen absorption/desorption properties of magnesium hydride (MgH<sub>2</sub>) without and with Cr<sub>2</sub>O<sub>3</sub> nanoparticles*, *International Journal of Hydrogen Energy* 33(7): 1859-1867
3. Bystrzycki J., Płociński T., Zieliński W., Wiśniewski Z., Polanski M., Mróz W., Bojar Z., Kurzdłowski K. J., 2009, *Nano-engineering of magnesium hydride for hydrogen storage*, *Microelectronic Engineering* 86(4-6): 889-891
4. Bystrzycki J., Polanski M., Malka I. E., Komuda A., 2009, *Hydriding properties of Mg - Al - Zn quasicrystal powder produced by mechanical alloying*, *Zeitschriften fur Kristallographie* 2241-2: 105-108
5. Bystrzycki J., Polanski M., Plocinski T., 2009, *Nano-engineering approach to destabilization of magnesium hydride (MgH<sub>2</sub>) by solid-state reaction with Si*, *Journal of Nanoscience and Nanotechnology* 9(6): 3441-3448
6. Polanski M., Bystrzycki J., 2009, *The influence of different additives on the solid-state reaction of magnesium hydride (MgH<sub>2</sub>) with Si*, *International Journal of Hydrogen Energy* 34(18): 7692-7699
7. Polanski M., Bystrzycki J., 2009, *Comparative studies of the influence of different nano-sized metal oxides on the hydrogen sorption properties of magnesium hydride*, *Journal of Alloys and Compounds* 486(1-2): 697-701
8. Polanski M., Plocinski T., Kuncce I., Bystrzycki J., 2010, *Dynamic synthesis of ternary Mg<sub>2</sub>FeH<sub>6</sub>*, *International Journal of Hydrogen Energy* 35: 1257-1266
9. Varin R. A., Jang M., Polanski M., 2010, *The effects of ball milling and molar ratio of LiH on the hydrogen storage properties of nanocrystalline lithium amide and lithium hydride (LiNH<sub>2</sub>+LiH) system*, *Journal of Alloys and Compounds* 491: 658-667
10. Polanski M., Nielsen T. K., Cerenius Y., Bystrzycki J., Jensen T. R., 2010, *Synthesis and decomposition mechanisms of Mg<sub>2</sub>FeH<sub>6</sub> studied by in-situ synchrotron X-ray diffraction and high-pressure DSC*, *International Journal of Hydrogen Energy* 35: 3578-3582
11. Varin R. A., Zaranski Z., Czujko T., Polanski M., Wronski Z. S., 2011, *The composites of magnesium hydride and iron-titanium intermetallic*, *International Journal of Hydrogen Energy* 36: 1177-1183
12. Polanski M., Bystrzycki J., Varin R. A., Plocinski T., 2011, *Rapid hydrogenation at 30°C of magnesium (Mg) and iron (Fe) nanocomposite obtained through a decomposition of Mg<sub>2</sub>FeH<sub>6</sub> precursor*, *International Journal of Hydrogen Energy* 36: 1059-1065