

Silicon air batteries (Technion) code: CHM-1084

New metal-air batteries based on a silicon (Si) anode yield a capacity four times that of conventional Zn-air batteries. We have solved the low conductivity problem of Si by using highly doped and metalized silicon. The novelty in this method is the use of a semiconductor such as Si for generation of energy. It is accomplished by utilizing silica as the reaction product with oxygen and a particular ionic liquid as electrolyte.

Contact for more information:

Gabriel Shemer 🖂, +972-4-8294851

T - Technion Technology Transfer Technion City, Senate Bldg., Haifa 32000, Israel Tel. 972-4-829-4851; 972-8325-375 Fax. 972-4-832-0845