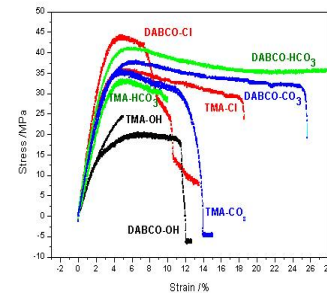
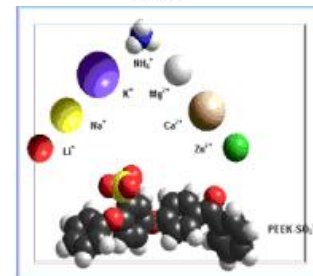
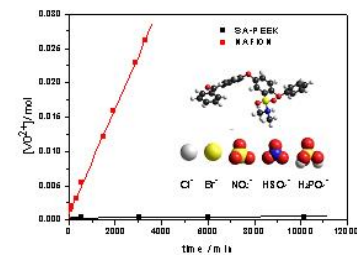
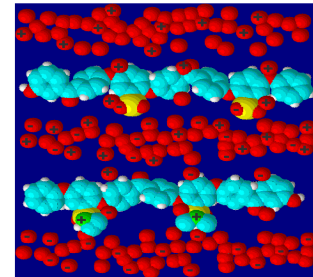


International Laboratory: IONOMER MATERIALS FOR ENERGY (LIME)

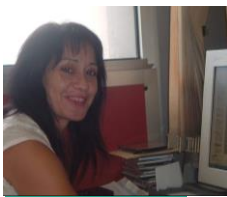


Research Topics

- Proton conducting ionomers
 - PEM fuel cells
 - Water electrolyzers
- Cation conducting ionomers
 - Rechargeable batteries in anhydrous state
 - Aqueous metal batteries
- Hydroxide conducting ionomers
 - Alkaline fuel cells
 - Water electrolyzers
- Anion conducting ionomers
 - Redox flow batteries
- Amphoteric ionomers
 - Redox flow batteries



Ionomer separators for electrochemical energy technologies are produced from the microscale (micro-batteries based on TiO_2 nanotubes) to the macroscale (redox flow batteries)



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