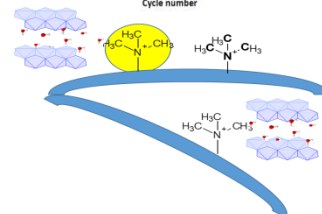
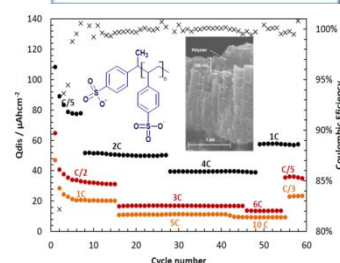
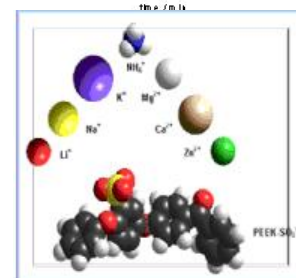
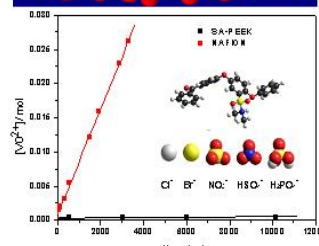
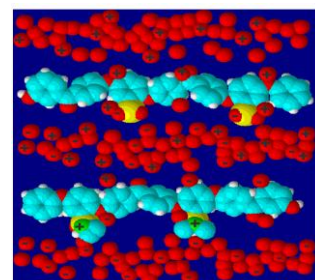




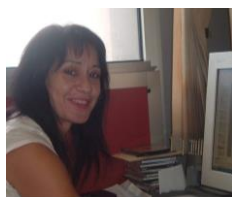
IONOMER MATERIALS FOR ENERGY (LIME)

Research Topics

- Synthesis of ionomers
 - Post-polymerization modification
 - Direct copolymerization
 - Organic/inorganic nano-hybrids
- Ion exchange membranes for fuel cells
 - Proton exchange membranes
 - Anion exchange membranes
- Amphoteric ionomers
 - Stimuli-responsive polymers
- Thin film separators for Li microbatteries
 - Electrochemical deposition
- Solid electrolyte for redox flow batteries
- Inorganic solid electrolytes
 - Layered double hydroxides
 - Graphene quantum dots



Synthesis, characterization, and application of solid state ionic materials from the microscale to the macroscale



Contact

Prof. Maria Luisa Di Vona
Tel. +39 06 7259 7184 Mobile +39 320 7983 063
divona@uniroma2.it