

Special Issue

Circular Economy of Batteries Production and Recycling

Message from the Guest Editors

The supply and management of energy are at the center of our daily concerns and represent a socio-economic priority. Energy storage devices will increasingly be needed, not only for portable electronic device usage, but also for electrical vehicle fleets and renewable energy applications. Battery systems should store surplus electricity from the smart grid for hours, days, and even weeks, if necessary, because electricity generation from renewable sources fluctuates with weather conditions. Likewise, the replacement of internal combustion cars by electric vehicles to reduce the carbon dioxide emissions and to limit our dependence towards fossil fuels stimulate the search for energy storage devices including batteries, fuel cells, electrolysis for hydrogen production, pumped-storage power plants, etc...

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