

Circular Economy Approaches in the Field of Materials for Energy

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The need for renewable energy systems and energy storage devices is increasing significantly in the future as we are facing out from the fossil energy. However, while we deduce our dependency of the fossil fuels, we should not become dependent on critical materials that are needed for these applications. Therefore, we will need to ensure the material recovery at high quality is possible so that we can use these materials back into the same applications as secondary raw materials. This step must be considered when we design novel materials for the energy application as this is the only way to provide circular solutions for the material design and enable sustainable renewable energy applications.