Special Issue

Advances in Recovery, Regeneration, and Valorization of Waste Lithium Batteries

Message from the Guest Editor

The crisis of traditional energy and the depletion of non-renewable mineral resources have brought opportunities and challenges to the development of the new energy industry. Against the backdrop of rapid development in the lithium battery industry in various countries around the world, the scientific community has a responsibility to deepen the development of core technologies for lithium battery recycling and prolong the path of sustainable energy development for humanity in the future. At the same time, this is also a necessary path to reduce the cost of the new energy industry chain and improve industrial competitiveness. So we call on all aspiring individuals in the scientific community to brainstorm on the recycling and material regeneration of traditional or next-generation batteries. Making good use of the mobile urban mining industry can not only continuously reduce the production costs of new energy industries, but also reduce environmental pollution caused by waste batteries, allowing the world to maintain sustainable vitality in emerging power energy.

Guest Editor

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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