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Circular Economy in Low-Carbon Transition: Current Status and Future Prospects

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Message from the Guest Editors

Energy is essential for economic activities and sustainable development. The current energy system is still dominated by fossil fuels and needs a rapid low-carbon transition to achieve the global warming target set by the Paris Agreement in 2015. A circular economy can contribute to the low-carbon transition of the energy system by reducing waste and improving resource efficiency. In a circular economy, energy can be saved by extending the life of existing resources and products; energy can be decarbonized by developing renewable energy with circular practices; and energy can be recovered from waste. The circular economy principles are also useful to design and implement sustainable low-carbon or even net-zero energy systems. Hence, this Special Issue will consist of innovative and high-quality studies on the current status and future prospects of circular economy in the low-carbon transition of the energy system.



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Message from the Editor-in-Chief

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