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Energy Efficiency of Electric Vehicle Charging Process

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Message from the Guest Editors

Automobile electrification is the inevitable direction of automobile industry transformation. Vehicle energy is converted from fossil energy to electric energy, and energy-bearing devices are converted from oil tanks to batteries. Charging performance is an important factor affecting the comprehensive performance of electric vehicles. Charging efficiency affects the economy of the whole vehicle, and charging speed affects the utilizable efficiency of the EV. Ultrahigh-speed charging is an important development direction of electric vehicle charging technology.

This **Special Issue** focuses on topics related to the energy cycle on electric vehicles, management and control of charging processes of EVs, efficient charging of electric vehicles, ultrahigh-speed charging technology of electric vehicles, energy management of electric vehicles, energy-saving paths and control of electric vehicles, recovery and control of braking energy of electric vehicles, etc.

The keywords of this **Special Issue**:

- battery efficiency
- charging technology
- regenerative braking
- high-current charging
- superspeed charging



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Special Issue



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Message from the Editor-in-Chief

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