

Special Issue

Recent Developments in Electric Vehicles

Message from the Guest Editor

Electric and plug-in hybrid electric vehicles produce significantly lower noises and greenhouse gas emissions than conventional fossil fuel-powered vehicles. Apart from these, vehicles powered through electricity feature performance and efficiency improvements. For this, there is an ongoing trend of electric propulsion in the replacement of engine propulsion. High-efficiency charging and management of battery storage challenge global engineers and experts. Smart control of charging and/or even discharging will greatly facilitate grid operators and thus enable large coordination of electric vehicles. This Special Issue focuses on the recent developments in electric vehicles, particularly related to power and energy.

- Power architectures of electric drivetrain
- Multilevel converters in electric vehicles
- Battery state-of-charge (SOC)/-health (SOH) estimation
- Battery management systems
- Wireless power chargers
- Vehicle-to-grid (V2G) services
- Optimization and coordination of charging for multiple vehicles
- Autonomous driving systems and enabling components

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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