

Special Issue

High-Capacity Cells and Batteries for Electric Vehicles

Message from the Guest Editors

This Special Issue aims to evaluate several issues concerning high-capacity batteries, and papers are welcome if they analyze one or more of these topics or respond to these questions:

- Upcoming battery technologies: analyzing their relevant benefits but also presenting their shortage or less performant issues;
- From cell tests to battery;
- New packaging strategies and configurations;
- Weight versus consumption and overall performance of electric vehicles;
- The role of battery management systems in maximizing the capacity of batteries;
- Ageing and lifespan analysis. Higher capacity means fewer cycles and, thus, longer lifespan in real applications;
- End of life;
- Beyond the electric vehicle:
 - Circular economy strategies and battery second life;
 - Recycling;
- Environmental impact;
- Avoiding the use of critical and/or toxic materials;
- When will capacities stop increasing?
- The charge of high capacity electric vehicle batteries;
- Reviews and comparatives of technologies.

Prof. Dr. Marcel Macarulla Martí

Guest Editors

Prof. Dr. Lluç Canals Casals

Prof. Dr. Marcel Macarulla Martí

Dr. Alberto Gómez Núñez

Deadline for manuscript submissions

closed (28 May 2021)



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CiteScore 7.3



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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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Message from the Editor-in-Chief

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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

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