



Emerging Trends in Advanced Materials for Oxygen Reduction Reaction (ORR) and Supercapacitors

Guest Editor:

Dr. Mehdi Mehrpooya

Department of Renewable
Energies and Environment,
Faculty of New Sciences and
Technologies, University of
Tehran, Tehran, Iran

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Message from the Guest Editor

Dear Colleagues,

Advanced functional materials are increasingly being investigated and applied in various new technologies and devices for electrochemical energy conversion and storage. Supercapacitors demonstrate a great potential as a new excellent energy storage device owing to their fast charge-discharge rate, wide operating temperature range, and long-term stability. Great efforts have been made to obtain high-performance Pt-free electrocatalysts such as Pt-free alloys, metal oxides, and carbon-based composite catalysts. Recent progress suggests that low cost and durable functional carbon materials can potentially be developed as efficient electrocatalysts. In this special issue a collection of recent studies about the subject of emerging trends in advanced materials as the electrocatalysts for Oxygen Reduction Reaction (ORR) and supercapacitors is presented.





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Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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