Special Issue

Advanced Low Dimensional Materials for Battery Applications

Message from the Guest Editor

This Special Issue focuses on recent progress and developments in advanced low-dimensional materials (LDMs) for energy storage applications in batteries. Through their unique structures, LDMs provide the opportunity to significantly enhance the electronic, optical, thermal, mechanical and chemical properties of materials. Battery technologies utilizing LDMs possess enormous potential to improve performance and reduce fabrication costs. Potential topics include but are not limited to:

- 0D materials: nanoparticles, nanospheres and quantum dots;
- 1D materials: nanotubes, nanofibers and nanowires;
- 2D materials: graphene, MXenes and TMDs;
- Primary batteries, secondary batteries, redox flow batteries

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Take the opportunity to publish your original scientific work or a review paper concerning battery materials, battery technology or battery application within this new open access journal. Along with material science, the journal also addresses engineering and multidisciplinary research topics, such as cell and system design or storage system integration. Publishing proffers visibility for the benefit of other experts and facilitates discussion of the research results within the field. You are invited to publish your work, read published papers and to participate in topical discussions.

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