# Special Issue

## Li-Ion Capacitors: Materials, Devices and Systems

### Message from the Guest Editor

Li-ion capacitors (LICs) have been attracting attention as energy storage devices which can compensate for the low power density and short cycle-life of existing Li-ion batteries and for the low energy density of electric double-layer capacitors. Since the development of coin-type LICs by Kanebo in 1991, academia and industrial sectors have been intensively performing R&D. In addition to the wide variety in material selections of cathode and anode active materials, binders, electrolytes, and separators, LICs have various devices factors such as the mass ratio of cathode and anode active materials, anode pre-lithiation (pre-doping of Li-ion) level, and working cell voltage range, significantly influencing their charge-discharge performances and lifetimes. The journal Batteries invites contributions to this Special Issue featuring recent technological developments in LICs from the aspect of materials, devices and systems. Review articles regarding the LIC technology are also welcome.

### 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.

## Editor-in-Chief

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