Special Issue

Recent Advances in Aqueous Zinc-Ion Batteries

Message from the Guest Editor

In recent years, rechargeable aqueous zinc-ion batteries (RAZIBs) have received increased attention as one of the divalent-ion-based batteries because of the numerous advantages of using zinc, such as its safety, natural abundance, cost-effectiveness, environmental friendliness, high volumetric capacity, and ease of handling in air. Research on aqueous zinc-ion batteries will continue to grow and is gaining importance for other applications, e.g., large-scale energy storage systems. Despite the recent advances in RAZIB technology, discoveries and further improvements are still required in the fields of high-energy cathode materials, zinc-based anodes, electrolytes, cell design, various-scale tests, battery management systems, and safety. Therefore, this Special Issue will focus on future directions to pursue for the development of RAZIBs...

Guest Editor

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