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Electrochemical energy storage is a promising route to relieve the increasing energy and environment crises, owing to its high efficiency and environmentally friendly nature. However, it is still challenging to realize its widespread application because of unsatisfactory electrode materials, with either high cost or poor activity and new ...

Similar concept was proposed in [99, 100], where banks of varied energy storage elements and battery types were used with a global charge allocation algorithm that controls the power flow between the storage banks. With careful usage of power electronic converters, configurable and modular HESS could be one of the future trends in the ...

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Among these technologies, thermal energy storage (TES) has a significant role to play in future zero-carbon energy systems due to the following reasons: 1) ... Zhu Jiang is an associate professor at Southeast University, with more than 8 years of R& D experiences in thermal energy storage (TES) technology. Her research

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