

In this paper, we establish energy-hub networks as multi-energy systems and present a relevant model-predictive cascade mitigation control (MPC) scheme within the framework of energy ...

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Coupling energy storage equipment in the system can alleviate the fluctuation of renewable energy and consume more renewable energy generation [8, 9].As shown in Fig. 1, ...

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1 ?&#0183; The stored energy is released as heat during cycloreversion, with up to 221 J/g released. A notable feature of this system is its self-activated energy release cascade, which allows the ...

The series of compounds displays remarkable self-heating, or cascading heat release, upon the initial triggering. Such self-activated energy release is enabled by the large energy storage in ...

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With the increasing penetration of renewable energy in the power system, it is necessary to develop large-scale and long-duration energy storage technologies playing ...

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