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Title: High manganese liquid flow battery

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A research group led by Prof. Li Xianfeng from the Dalian Institute of Chemical Physics (DICP) of the Chinese Academy of Sciences (CAS) has developed a bromine-assisted-MnO₂-based ...

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Herein, a titanium-manganese single flow battery (TMSFB) with high stability is designed and fabricated for the first time. In the design, a static cathode without the tank and pump is ...

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The combination of excellent system longevity, impressive power output and high round-trip efficiency, confirms the hydrogen/manganese hybrid RFB here reported as a ...

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An energetic Mn²⁺-S redox electrochemistry is proposed, enabling an energetic aqueous manganese ion battery (AMIB) via a solid-liquid-solid redox pathway. This achieves a ...

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An energetic Mn^{2+} -S redox electrochemistry is proposed, enabling an energetic aqueous manganese ion battery (AMIB) via a solid ...

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