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Neutron Imaging of Ammonia Carriers for Energy Storage

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Ammonia is among the largest produced chemicals in the world and finds significant application as a fertilizer. It is also seen as an alternative for high density hydrogen storage. Chemicals that absorb ammonia are seen as promising options for energy storage.

In this talk manganese chloride–silica gel composite and additively manufactured Strontium chloride-Na Bentonite ammonia sorbent materials studied using in situ neutron radiography and neutron CT will be discussed.

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