



METAL-METAL BONDED AMMONIA OXIDATION CATALYSTS

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The Invention

UW-Madison researchers have developed a diruthenium containing catalyst capable of efficiently converting ammonia to nitrogen in the presence of oxygen. These catalysts, which generally facilitate multi-electron reactions, can be used in a number of industrially relevant contexts, including electrochemical cell-based energy storage and energy production applications that could form the basis for a potential nitrogen economy.

Key Benefits

- Capable of converting ammonia to nitrogen in the presence of oxygen
- Could enable ammonia based fuel cells

Additional Information

For More Information About the Inventors

- [John Berry](#).

Tech Fields

- [Materials & Chemicals : Metals](#)
- [Materials & Chemicals : Synthesis](#)

For current licensing status, please contact Mark Staudt at mstaudt@warf.org or 608-960-9845