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Position

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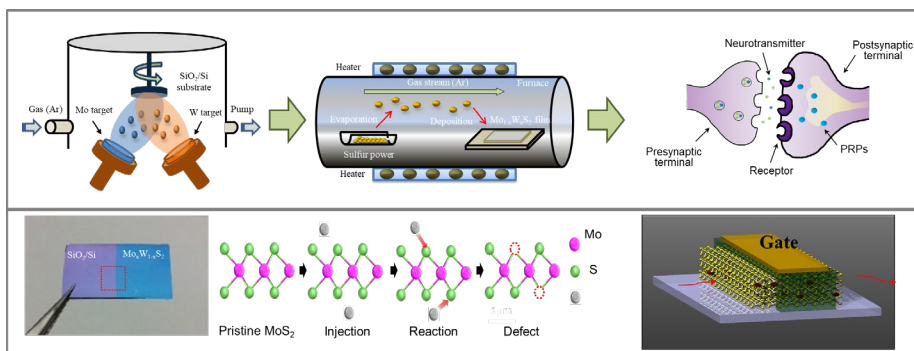
(940) 369-7673

Group

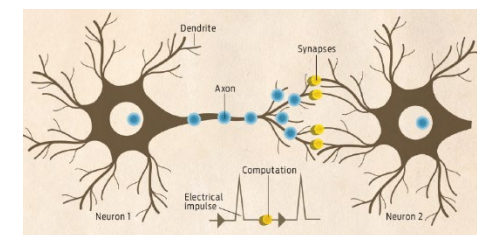
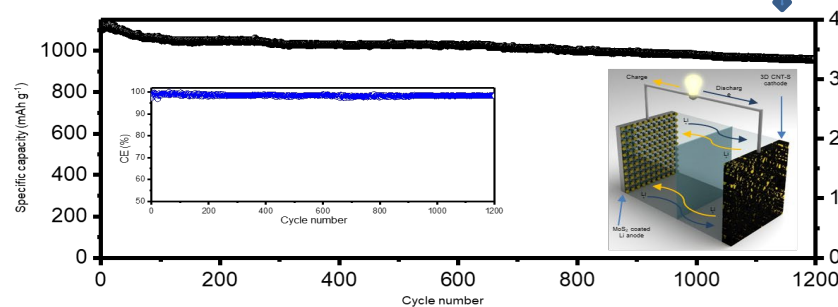
Center for Advanced Battery
Technology (Director)
AMMPI (Associate Director)

❖ Nanomaterials, Future Semiconductors and Energy Storage

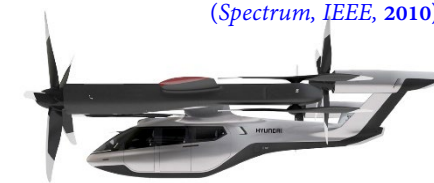
- Nanomaterials synthesis (2D TMDs, graphene) and exploring new functionalities
- Advanced rechargeable batteries: Li-S, Solid-State, metal-CO₂
- Future semiconducting materials and neuromorphic memory
- 3D printed sensors and energy storage



2D materials / Long-cycle Li-S battery



Neuromorphic memory for
quantum computing
(Spectrum, IEEE, 2010)



Safe and high energy density
batteries for mobilities

