



Self-healing battlefront grids MIT self-assembling nano-wires

SPEAKER: Professor Hank Smith Electrical Engineering Emeritus **DATE:** Wednesday, February 19 **TIME:** 3:00 p.m. -- 4:00 p.m. **LOCATION:** Haus Room (36-428) Register. The most advanced microchips are currently being ...

This provides an effective solution for segment switches and tie switches in millisecond-level self-healing systems for both low-voltage (LVDC, e.g., 750 V/1500 V DC) and medium-voltage ...

To address this critical gap, a biocompatible piezoelectric material is developed for ultrahigh piezoelectric effects with DL-alanine amino acid crystals, which is stretchable, healable, and ...

Their self-assembling structures--confirmed via advanced x-ray and electron microscopy--point toward a future of high-speed, environmentally friendly nano-manufacturing with wide-ranging ...

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N-Heterocyclic carbene (NHC) ligands, with strong metal-binding affinity, offer a robust platform for constructing organic-inorganic nanohybrids with high stability and tunable properties. ...

By regulating the length of cationic amino acid side chains, the optimized peptide Nhar was identified as a triple-functional candidate with the potential to solve these limitations. In aque - ...

The GHEC exhibits two properties: exceptional stretchability (>400%) and rapid self-healing (<20 min), ensuring that the SH-TENG achieves significantly enhanced mechanical durability and ...



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