

# What materials are used for energy storage containers

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The Materials Measurement Science Division is actively developing new Standard Reference Materials (SRMs) for various materials measurement techniques. For reference, we ...

NIST researchers have found special atomic patterns called quasicrystals in 3D-printed aluminum alloys. Quasicrystals increase the strength of 3D-printed aluminum, the ...

Materials Data Curation System provides a means for capturing, sharing,

As part of the JARVIS workshop series, the National Institute of Standards and Technology (NIST) is organizing the 4th Quantum Matters in Materials Science (QMMS) ...

Scientists from NIST and other institutions have created the first neutron "Airy beam," which has unusual capabilities that ordinary neutron beams do not. This achievement ...

Cementitious Materials Our team studies cementitious materials to develop measurement science tools and standards for additive manufacturing. Learn more. NIST ...

The mantis shrimp packs a powerful punch thanks partly to unique structures in its exoskeleton. NIST researchers have fabricated synthetic versions of these structures and ...

Advanced Materials NIST Additive Manufacturing researches advanced materials, such as biomaterials, composites, and metamaterials. NIST studies advanced ...

Materials Resource Registry allows for the registration of materials resources, bridging the gap between existing resources, software and repositories and end users.

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The new algorithm allows for fine-tuning this relationship to create auxetic materials that behave in ways you couldn't find in nature. "Our research is a beautiful example ...

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