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apr 7 2025 nist researchers have found special atomic patterns called quasicrystals in 3d printed aluminum alloys quasicrystals increase the strength of 3d printed aluminum the researchers

May 22, 2019, the team then contributed data to the developing materials innovation infrastructure making it easier for anyone to design new coinage materials in the future. One of the big goals for

jan 29 2025 abstract in alignment with the materials genome initiative and as the product of a workshop sponsored by the us national science foundation we define a vision for materials

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materials genome initiative federal government wide nist mgi standard reference materials plastics carbon nanotubes high strength alloys artificial bone and joint replacements are just some

the award will support applied materials in developing and scaling a disruptive silicon core substrate technology for next generation advances in packaging and 3d heterogeneous integration

apr 17 2025 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 could enhance

mar 19 2025 art and materials innovation have always been intertwined dating back to the earliest human creations

materials needed for optical science research and industrial applications the interaction of light with matter is different at different wavelengths and the techniques to measure the optical properties differ

apr 14 2024 below are guides and frequently asked questions to accompany funding opportunities from the chips r d office these materials are for informational purposes only and are intended

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