Graphene sodium-ion solar container battery

MIT physicists have taken a key step toward solving the puzzle of what leads electrons to split into fractions of themselves. Their solution sheds light on the conditions that ...

A new property Graphene is composed of a single layer of carbon atoms arranged in hexagons resembling a honeycomb structure. Since the material"s discovery, scientists ...

MIT physicists observed key evidence of unconventional superconductivity in magic-angle graphene. The findings could lead to the development of higher-temperature ...

MIT engineers have developed a scalable manufacturing process that spools out strips of graphene for use in ultrathin membranes.

The graphene layers are sandwiched in between boron nitride layers (in blue and purple). The angle and alignment of each layer enables the researchers to turn ...

MIT physicists have observed fractional quantum Hall effect in simple pentalayer graphene. The finding could make it easier to develop more robust quantum computers.

Physicists measured how readily a current of electron pairs flows through "magic-angle" graphene, a major step toward understanding how this unusual material superconducts.

MIT scientists were surprised to discover a "chiral superconductor" -- a material that conducts electricity without resistance, and also, paradoxically, is magnetic -- in ...

Physicists at MIT and Harvard University have found that graphene, a lacy, honeycomb-like sheet of carbon

atoms, can behave at two electrical extremes: as an insulator, ...

MIT physicists report the discovery of electrons forming crystalline structures in a material billionths of a meter thick. The material, rhombohedral pentalayer graphene, joins a ...

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