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Nanotechnology ("nanotech") is manipulation of matter on an atomic, molecular, and supramolecular scale. The earliest, widespread description of nanotechnology referred to the particular technological goal of precisely manipulating atoms and molecules for fabrication of macroscale products, also now referred to as molecular nanotechnology.

Nanotechnology - Wikipedia

Nanomaterials have effectively contributed to the development of more efficient and cost-effective water filtration processes since membrane technology is considered as one of the advanced water/wastewater treatment processes [81–91].

Advances in Materials Science and Engineering - Hindawi

SAM is an interdisciplinary peer-reviewed journal consolidating research activities in all experimental and theoretical aspects of advanced materials in the fields of science, engineering and medicine including synthesis, fabrication, processing, spectroscopic characterization ...

Science of Advanced Materials • SAM

Materials Engineering. LBNL'S "THE MATERIALS PROJECT" THE MATERIALS PROJECT - Department of Data Science and Technology (DST), Lawrence Berkeley National Laboratory (LBNL) Multimedia Materials Databases, Analysis Tools, etc. (Text & Images).

Martindale's Calculators On-Line Center: Materials

For the design and realization of ZnO-based devices, one of the most significant issues is doping, which necessarily involves the heavy doping with trivalent elements from the group III (Al, Ga, In).

Journal of Nanomaterials - Hindawi Publishing Corporation

Sheets of electrons that are highly mobile in only two dimensions, known as 2-D electron gas, have unique properties that can be leveraged for faster and novel electronic devices.

A treasure trove for nanotechnology experts - phys.org

Science and Technology of Advanced Materials is the leading open access, international journal covering a broad spectrum of materials science research including functional materials, synthesis and processing, theoretical analyses, characterization and properties of materials.

Science and Technology of Advanced Materials - IOPscience

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This is a list of computer programs that are predominantly used for molecular mechanics calculations.

Comparison of software for molecular mechanics modeling

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Journal of Nanoscience and Nanotechnology (JNN)

The Department of Mechanical and Aerospace Engineering of the Case School of Engineering offers programs leading to bachelors, masters, and doctoral degrees.

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Inkjet printhead market and technology trends 2016 - Yole

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Publications | NIST

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