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Graphene - Wikipedia -

Wed, 18 Jul 2018 09:23:00 GMT - Crystal Structure of Graphite, Graphene and Silicon Dodd Gray, Adam McCaughan, Bhaskar Mookerji — 6.730 — Physics for Solid State Applications (Dated: March 13, 2009)

Crystal Structure of Graphite, Graphene and Silicon -

Mon, 04 Jun 2012 23:58:00 GMT - The Graphene Flagship is the EU's largest research initiative, tasked with taking graphene from laboratories into the market, with a 1 billion budget.

Graphene Flagship | Graphene Flagship -

Tue, 17 Jul 2018 17:02:00 GMT - We show that nanometer-scale pores in single-layer freestanding graphene can effectively filter NaCl salt from water. Using classical molecular dynamics, we report the desalination performance of such membranes as a function of pore size, chemical functionalization, and applied pressure.

Water Desalination across Nanoporous Graphene - Nano ... -

Sun, 15 Jul 2018 18:09:00 GMT - Potential graphene applications include lightweight, thin, flexible, yet incredibly lightweight to, electric/photronics circuits, solar cells, and various medical, chemical and industrial processes enhanced or enabled by the use of new graphene materials.

Potential applications of graphene - Wikipedia -

Tue, 17 Jul 2018 02:51:00 GMT - Graphene quantum dots (GQDs), which are edge-bound nanometer-size graphene pieces, have fascinating optical and electronic properties. These have been synthesized either by nanolithography or from starting materials such as graphene oxide (GO) by the chemical breakdown of their extended planar structure, both of which are multistep tedious ...

Graphene Quantum Dots Derived from Carbon Fibers - Nano ... -

Sun, 15 Jul 2018 07:39:00 GMT - An easy bottom-up method for the preparation of photoluminescent (PL) graphene quantum dots (GQDs) and graphene oxide (GO) has been developed by tuning the carbonization degree of citric acid and dispersing the carbonized products into alkaline solutions.

Blue luminescent graphene quantum dots and graphene oxide ... -

Wed, 18 Jul 2018 19:39:00 GMT - Graphene oxide (GO) is potentially a useful electrolyte material for polymer electrolyte membrane fuel cells due to its high strength, excellent hydrogen gas barrier properties, hydrophilicity, and proton conducting acidic functional groups.

Spray-painted graphene oxide membrane fuel cells ... -

Thu, 03 Sep 2015 23:55:00 GMT - Market Snapshot: Graphene The high commercial potential of graphene is well-recognized by governments, military agencies, and businesses worldwide.

Graphene 3D Lab Inc. - Investors - Tue Jul 17, 2018 -

- Graphene has excellent conductivity and mechanical strength, when in its 2D form “getting it to maintain both attributes when using it to make 3D products, however has been problematic.

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