

Quantum Dots: New Research

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Quantum dots get a second chance to shine | -

Quantum dots, semiconductor particles that can emit a rainbow of colors, have been put to work observing living cells, with possible benefits for medical diagnosis.

<https://www.sciencenews.org/article/quantum-dots-get-second-chance-shine>

UCR Newsroom: Quantum Dots Research Leads to New -

Quantum Dots Research Leads to New Knowledge about Protein Binding in Plants. Research published in leading nanotechnology journal (January 25, 2005)

<http://newsroom.ucr.edu/975>

Nanoparticles and Quantum Dots - School of -

Nanoparticle and Quantum Dot Research Group Group Leader: AProf. Dr. Richard Tilley. The aim of the Nanoparticle and Quantum Dot Research Group is to synthesise and

<http://www.victoria.ac.nz/scps/research/research-groups/nanoparticles>

Many uses in researching quantum dots - Nanowerk -

May 03, 2015 Nanotechnology General News. The latest news from academia, regulators research labs and other things of interest

<http://www.nanowerk.com/nanotechnology-news/newsid=39954.php>

Research and Markets: Quantum Dots - Yahoo -

Jun 18, 2015 From Yahoo Finance: Research and Markets has announced the addition of the "Quantum Dots - Global Strategic Business Report" report to their offering.

<http://finance.yahoo.com/news/research-markets-quantum-dots-2015-102900521.html; ylt=A0LEVzE58cBV2eUAO5lXNyoA; ylu=X3oDMTBzdWd2cWI5BGNvbG8DYmYxBHBvcwMxMAR2dGlkAwRzZWMDc3I->

Quantum dots brighten the future of lighting | -

Seven years ago, when white-light quantum dots were discovered accidentally in a Vanderbilt chemistry lab, their efficiency was too low for commercial applications

<http://news.vanderbilt.edu/2012/05/quantum-dots/>

Global Quantum Dots Market & 5 Consumer -

The current market for companies selling quantum dots is between \$25 million (conservative) and \$48 million (optimistic) in revenues, with the QD-enabled product

<http://www.marketwatch.com/story/global-quantum-dots-market-5-consumer-electronics-top-emerging-markets-reviewed-in-new-research-reports-at-marketreportsonlinecom-2014-07-24>

Chemists design a quantum-dot spectrometer | MIT -

Chemists design a quantum-dot spectrometer. New instrument is small enough to function within a smartphone, enabling portable light analysis.

<http://newsoffice.mit.edu/2015/quantum-dot-spectrometer-smartphone-0701>

Quantum Dots Market to Grow at 113% CAGR by 2019 -

Quantum Dots Market to Grow at 113% CAGR by 2019 Says a New Research Report at ReportsnReports.com - WFLA News Channel 8

<http://www.wfla.com/story/29247448/quantum-dots-market-to-grow-at-113-cagr-by-2019-says-a-new-research-report-at-reportsnreportscom>

Quantum Dots News, Research -

A quantum dot is a semiconductor whose excitons are confined in all three spatial dimensions. As a result, they have properties that are between those of bulk

<http://www.news-medical.net/?tag=/Quantum-Dots>

New solar-cell design based on dots and wires | -

MIT researchers improve efficiency of quantum-dot photovoltaic system by interspersed with quantum dots made of New solar-cell design based on dots and

<http://newsoffice.mit.edu/2013/nanowires-quantum-dots-solar-cell-0325>

National Science Foundation award funds UMass -

Aug 02, 2015 National Science Foundation award funds UMass investigation of quantum dots, research opportunities for community college students

<http://www.gazettenet.com/news/17964731-95/national-science-foundation-award-funds-umass-investigation-of-quantum-dots-research-opportunities-f>

Quantum Dots and Nanoparticles | Exploring the -

Quantum Dots & Nanoparticles . Introduction; Applications; Introduction. Quantum dots are very, very tiny particules on the order of a nanometer in size.

http://education.mrsec.wisc.edu/background/quantum_dots/

NanoSpectroscopy of Quantum Dots - U.S. Naval -

Scientists in the Electronics Science and Technology Division at the Naval Research Laboratory (NRL) have developed a way to measure, with great clarity

<http://www.nrl.navy.mil/media/new-news-releases/1997/nanospectroscopy-of-quantum-dots>

Highly Efficient Solar Cells Could Result from -

The researchers used quantum dots made of lead selenide, but Zhu says that their methods will work for quantum dots made of other materials, too.

http://news.utexas.edu/2010/06/17/quantum_dot_research

Quantum Dots: New Research: Peter A. Ling: -

Quantum Dots: New Research [Peter A. Ling] on Amazon.com. *FREE* shipping on qualifying offers. Book annotation not available for this title. Title: Quantum Dots

<http://www.amazon.com/Quantum-Dots-Research-Peter-Ling/dp/1594542236>

Shumway Research Group -

Simulation Tools. As part of our the broader impact of our NSF-CAREER research grant, we develop and distribute open-source simulation tools for modeling quantum dots.

<http://shumway.physics.asu.edu/>

Quantum dot solar cell - Wikipedia, the free -

A quantum dot solar cell is a solar cell design that uses quantum dots as the absorbing photovoltaic material. It attempts to replace bulk materials such as silicon

http://en.wikipedia.org/wiki/Quantum_dot_solar_cell

Solar-Panel Windows Made Possible by Quantum Dot -

Windows that double as solar panels could soon be a reality following a breakthrough in quantum dot research that could have significant implications on the way the

<http://www.ibtimes.co.uk/solar-panel-windows-made-possible-by-quantum-dot-breakthrough-1445213>

Quantum dot - Wikipedia, the free encyclopedia -

A quantum dot (QD) is a nanocrystal made of semiconductor materials that is small enough to exhibit quantum mechanical properties. Specifically, its excitons are

http://en.wikipedia.org/wiki/Quantum_dot

Quantum dots at Los Alamos -

LANL Press Release New Los Alamos approach may be key to quantum dot solar cells with real LANL Press Release Nontoxic quantum dot research improves solar cells

<http://quantumdot.lanl.gov/>

Quantum Dots and Next-Gen Solar Cells - Solar PV -

How Quantum Dots Could Double Solar Cell Efficiency Researchers have demonstrated a way to use quantum dots to significantly reduce the amount of energy that solar

<http://www.popularmechanics.com/science/energy/a5886/quantum-next-gen-solar-cells/>