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S, Tarucha, David Guy Austing, Toshimasa Fujisawa: Electron Transport in Semiconductor Quantum Dots Optical and Electronic Process of Nano -matters

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Nuclear spin physics in quantum dots: importance for possible quantum information processing applications. is universal in quantum dot optics and transport.

Quantum dot - wikipedia, the free encyclopedia

Such quantum dots are mainly of interest for experiments and applications involving electron or hole transport, application of Quantum dots in optics; Quantum

Quantum dots shed light on processes in living

Quantum dots shed light on processes in living cells. He chaired the SPIE BIOS session on colloidal quantum dots in 2006. FEI Electron Optics

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electronics and optical properties of quantum dots as well Optical and Transport Properties of Quantum Electron Transport Properties of Gate

Physics of lateral triple quantum- dot molecules

We review the recent progress in theory and experiments with lateral triple quantum dots with controlled electron numbers down to one electron in each dot. The theory

Optical phase control of electron transport in

Optical phase control of electron transport in coupled quantum dots concepts from quantum optics to semiconductor for future quantum information

The quantum dot: a journey into the future of

Quantum Dots: Optics, Electron Transport and Future Applications Quantum Dots: Research, Technology and Applications Randolph W. Knoss. Hardcover. \$17.52 Prime.

Electron transport through a quantum dot assisted

Nielsen T R and Bay S 2000 Fundamental quantum optics in Esposito M and Mukamel S 2006 Quantum master equation for electron transport through quantum dots and

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Quantum dots could solve the major backlighting and general illumination applications. between the electron transport layers and the

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an individual electron from one quantum dot to application of quantum dots in quantum information in many quantum optics based

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Nonlinear optics in quantum-confined virtual states to create electron-hole ultrabright fluorescent plasmonic quantum dots in the near future.

9 - quantum dots in photonic crystal cavities -

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CNT as a Quantum dot Carbon nanotubes have two Basics of quantum mechanics and its applications in Electron Transport in Carbon nanotubes

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Electron transport through quantum-dot (QD) as well as anharmonic decay of longitudinal optical phonons were included in the simulation.

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Transport electron through a quantum wire by

Transport electron through a quantum wire by side-attached asymmetric quantum-dot rings. Optical processes in quantum dots and wires. Proceedings of SPIE

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the spin state of electrons can be teleported through quantum dot arrays. Electron transport in by quantum optics teleportation with quantum dot

Anomalous transport and memory in quantum dot

Anomalous transport and memory in quantum dot as well as memory effects observed after successive applications of Electron transport; Nanocrystals; Quantum dots;

Silicon quantum dot devices for future electronics

Power, Energy, & Industry Applications; Robotics & Control Systems; Silicon quantum dot devices for future electronics Full Text S. Quantum Nanoelectron. Res.

Arxiv:cond-mat/0205350v2 [cond-mat.mes-hall] 21

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manganese atom placed inside a quantum dot for spintronics applications. Dots: Optics, Electron Transport, and Future Physics revisits six specific

Electron transport in quantum dot chains:

Detailed experimental and theoretical studies of lateral electron transport in a system of quantum dot Electron transport in quantum dot Optical spectroscopic

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making these devices promising candidates for electrically driven quantum optics electron transport at the single {Single Quantum Dot

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