

Quantum Electronics

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Quantum Electronics —

Quantum Electronics is the English edition of the Russian journal *Kvantovaya Elektronika*, founded in 1971, by the Nobel Prize laureate, Nikolay G. Basov, and publishing letters, articles, discussions, and reviews in all aspects of laser research and its applications. The Editorial Board and the Editorial Council of the journal consist of more than 40 eminent Russian experts and well-known scientists from Armenia, Belarus, Ukraine and Uzbekistan, and specialists from 25 countries write for the ...

Quantum Electronics — IOPscience —

Quantum Electronics the field of physics and technology that deals with methods for the amplification and generation of electromagnetic oscillations based on the use of the effect of stimulated emission, and also with the properties of quantum mechanical amplifiers and generators and with their use.

Quantum Electronics | Article about Quantum Electronics by ... —

This Third Edition of the popular text, while retaining nearly all the material of the previous edition, incorporates material on important new developments in lasers and quantum electronics. Covers phase-conjugate optics and its myriad applications, the long wavelength quaternary semiconductor laser, and our deepened understanding of the physics of semiconductor lasers--especially that ...

Quantum Electronics, 3rd Edition | Wiley —

Quantum electronics is a term that was used mainly between the 1950s and 1970s to denote the area of physics dealing with the effects of quantum mechanics on the behavior of electrons in matter, together with their interactions with photons. Today, it is rarely considered a sub-field in its own right, and it has been absorbed by other fields.

Quantum optics — Wikipedia —

In the field of quantum electronics, scientists study the interaction of radiation and matter on the quantum level. Utilizing knowledge from electronics and physics, scientists in this field have made many advancements in optics and radio physics. Machines such as the Light Amplification by Stimulated Emission of Radiation (laser) and the Microwave Amplification by Stimulated Emission of Radiation (maser) are particularly useful in the field of quantum electronics.

What is Quantum Electronics? — wiseGEEK —

Quantum Electronics Corporation is a New York Foreign Business Corporation filed on June 24, 1960. The company's filing status is listed as Active and its File Number is 129911. The Registered Agent on file for this company is % Berger & Berger and is located at 280 Madison Ave.,

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IEEE Journal of Quantum Electronics. The IEEE Journal of Quantum Electronics is dedicated to the publication of manuscripts reporting novel experimental or theoretical results in the broad field of the science and technology of quantum electronics.

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Quantum Electronics Technology, Inc. is a New York Domestic Business Corporation filed on December 20, 1988. The company's filing status is listed as Inactive - Dissolution (May 07, 2002) and its File Number is 1270875. The Registered Agent on file for this company is Ching-Ling Chen and is located at Po Box 814, Hartsdale, NY 10530.

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Their electronic states are determined by quantum mechanics, and confinement in the nanostructures produces an increased energy separation between states. Transport through states will in general occur either in a diffusive or ballistic regime, and the small length scale in nanostructures tends to produce more ballistic transport.

~~Quantum Electronics — Department of Physics — Carnegie ...~~

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~~Quantum Electronics: Yariv, Amnon: 9780471609971: Amazon ...~~

Definition of quantum electronics : a branch of physics that deals with the interaction of radiation with discrete energy levels in substances (as in a maser or laser)

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