

Semiconductor Quantum Dots Vertically Confined

Outline

I. Introduction

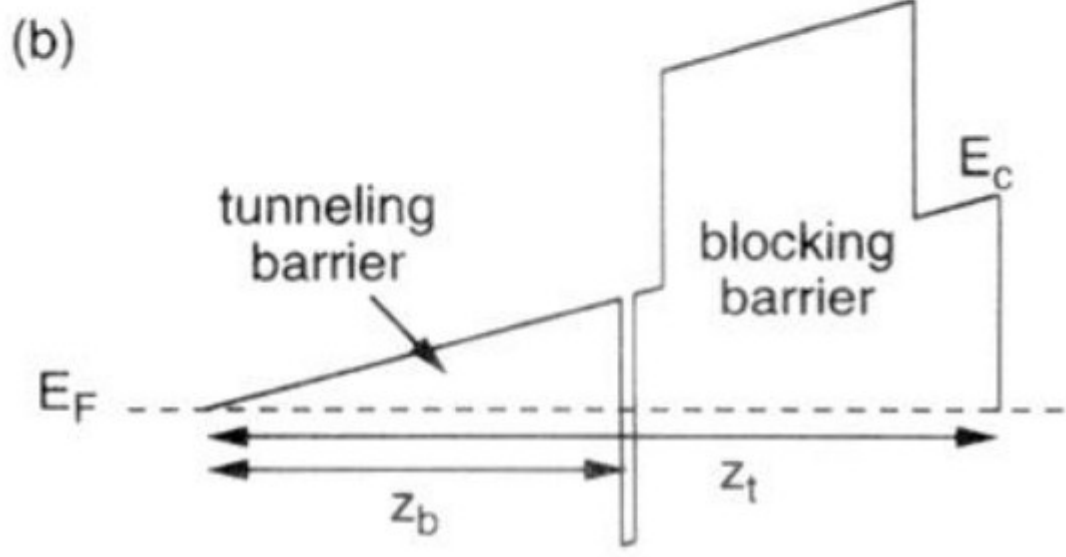
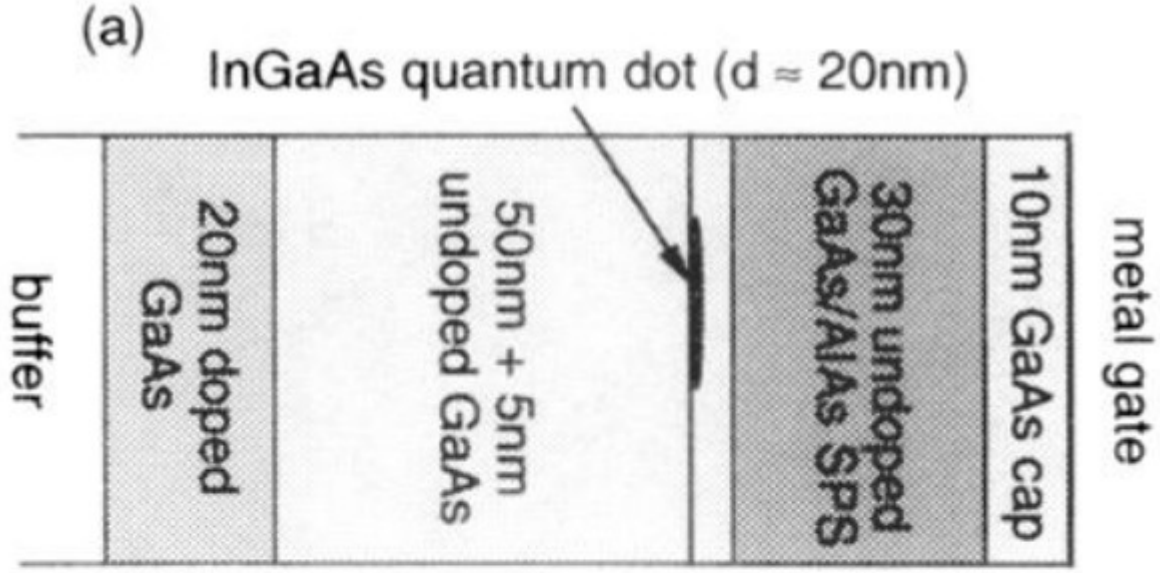
II. Presentation of Papers

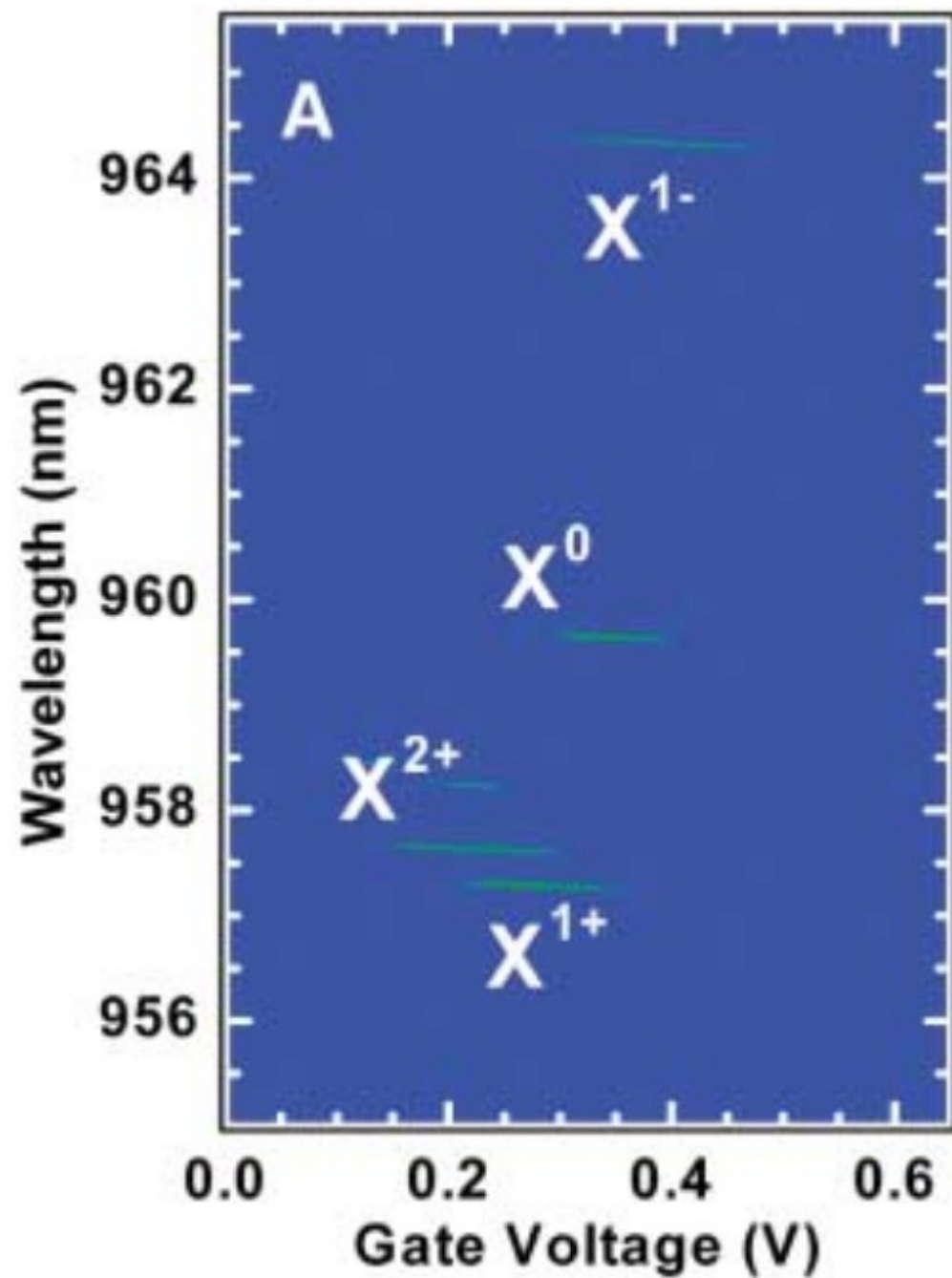
1. “Quantum Dot Spin-State Preparation with Near-Unity Fidelity” (Atatüre et al, Science 2006)

- i. General Purpose of the Experiment
- ii. Characterization of the System Used
- iii. Experimental Data and Analysis
- iv. Conclusion and Outlook

2. “Conditional Dynamics of Interacting Quantum Dots”(Robledo et al, Science 2008)

III. Summary





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