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**LÍNEAS O ESPECIALIDAD DE INVESTIGACIÓN: TRANSPORTE EN
NANOESTRUCTURAS**

PUBLICACIONES SELECTAS:

1. **Physical Review B**, 66 245311 (2002). Buildup dynamics of transmission resonances in superlattices. R. Romo.
2. **Physical Review B Rapid Communications** 72, 0121305 (R) (2005). Dynamic polarization tunneling: A spin filtering mechanism. R. Romo and S. E. Ulloa.
3. **Physical Review A** 93, **022118 (2016)** [Nonexponential tunneling decay of a single ultracold atom](#). Gastón García-Calderón and Roberto Romo.
4. **Physical Review B Rapid Communications**, 60, 4 R2142 (1999). Dynamical description of the buildup process in resonant tunneling: evidence of exponential and non-exponential contributions. R. Romo y J. Villavicencio.
5. **Applied Physics Letters**, 78 (12) 1769 (2001). Role of the buildup oscillations on the speed of resonant tunneling diodes. R. Romo y J. Villavicencio.
6. **Applied Physics Letters**, 77 (3) 379 (2000). Dynamical analysis of the buildup process near resonance. J. Villavicencio y R. Romo.
7. **Physical Review B**, 47, 9572 (1993). *Description of overlapping resonances in multibarrier tunneling structures*. G. García Calderón, Roberto Romo y A. Rubio.