

石墨烯电子结构

Electronic structure of graphene

1. 石墨烯的发现

- K. S. Novoselov, A. K. Geim., et al. [Electric Field Effect in Atomically Thin Carbon Films](#). Science 306, 666–669 (2004).

2. 量子霍尔效应

- K. S. Novoselov, A. K. Geim., et al. [Two-dimensional gas of massless Dirac fermions in graphene](#). Nature 438, 197–200 (2005)
- K. S. Novoselov, A. K. Geim., et al. [Experimental observation of the quantum Hall effect and Berry's phase in graphene](#). Nature 438, 201–204 (2005)
- V. P. Gusynin and S. G. Sharapov. [Unconventional Integer Quantum Hall Effect in Graphene](#). Phys. Rev. Lett. 95, 146801 (2005).

3. 参考综述

- A. H. Castro Neto, F. Guinea, N. M. R. Peres, K. S. Novoselov, and A. K. Geim. [The electronic properties of graphene](#). Rev. Mod. Phys. 81, 109 (2009).