

Applications of Tight binding model :

Goodnotes of papers : <https://web.goodnotes.com/s/bvlfZxHpj0RKbScC4MroZd>

Tight-binding model for semiconductor nanostructures

<https://journals.aps.org/prb/abstract/10.1103/PhysRevB.72.165317>

S. Schulz and G. Czycholl. Tight-binding model for semiconductor nanostructures. 2005 Oct 14;(Phys. Rev. B 72, 165317).

Transferable tight-binding models for silicon

<https://journals.aps.org/prb/abstract/10.1103/PhysRevB.49.7242>

I. Kwon, R. Biswas, C. Z. Wang, K. M. Ho, and C. M. Soukoulis. Transferable tight-binding models for silicon. 1994 Mar 15;(Phys. Rev. B 49, 7242). Available from: <https://journals.aps.org/prb/abstract/10.1103/PhysRevB.49.7242>

Thermodynamical and structural properties of f.c.c. transition metals using a simple tight-binding model

<https://www.tandfonline.com/doi/abs/10.1080/01418618908205062>

Rosato V, M. Guillope, Legrand B. Thermodynamical and structural properties of f.c.c. transition metals using a simple tight-binding model. Philosophical Magazine A. 1989 Feb 1;59(2):321–36.

Scalable Tight-Binding Model for Graphene

<https://journals.aps.org/prl/abstract/10.1103/PhysRevLett.114.036601>

Liu M, Rickhaus P, Tovari E, Maurand R, Tkatschenko F, Weiss M, et al. Scalable Tight-Binding Model for Graphene. APS. 2015 Jan 22;114(3).

Tight-Binding Modeling and Low-Energy Behavior of the Semi-Dirac Point

<https://journals.aps.org/prl/abstract/10.1103/PhysRevLett.103.016402>

Banerjee S, Singh R, Pardo V, Pickett W. Tight-Binding Modeling and Low-energy behavior of the Semi-Dirac Point. APS. 2009 Jul 1;103(1).