

## DAFTAR PUSTAKA

- Balog, Richard., Bjarke Jørgensen, Louis Nilsson, Mie Andersen, Emile Rienks, Marco Bianchi, Mattia Fanetti, Erik Lægsgaard, Alessandro Baraldi, Silvano Lizzit, Zeljko Sljivancanin, Flemming Besenbacher, Bjørk Hammer, Thomas G. Pedersen, Philip Hofmann and Liv Hornekær, (2010), *From graphene to graphane : A density functional investigation of metal insulator transition*, arXiv:1003.6044v1.
- Berashevich, Julia., and Tapash Chakraborty, (2010), *From graphene to graphane : A density functional investigation of metal insulator transition*, arXiv:1003.6044v1.
- Boehm, H. P., Clauss, A., Fischer, G., Hofmann, U. (1962). *Proceedings of the Fifth Conference on Carbon*, Pergamon Press.
- Brodie, B. C. (1859). "On the Atomic Weight of Graphite". *Philosophical Transactions of the Royal Society of London* 149: 249–259. Bibcode:1859RSPT..149..249B. doi:10.1098/rstl.1859.0013. JSTOR 108699.
- Chandrachud, Prachi., Bhalchandra S. Pujari, and D. G. Kanhere, (2010), *From graphene to graphane : A density functional investigation of metal insulator transition*, arXiv:0911.1505v1.
- Cudazzo, Pierluigi., Claudio Attaccalite, Ilya V. Tokatly, and Angel Rubio, (2010), *Strong Charge-Transfer Excitonic Effects and the Bose-Einstein Exciton Condensate in Graphane*, *PHYSICAL REVIEW LETTERS*: PRL104,226804 (2010).
- DiVincenzo, D. P., Mele, E. J. (1984). *Self-Consistent Effective Mass Theory for Intralayer Screening in Graphite Intercalation Compounds*, *Physical Review B* 295 (4): 1685.
- Dreyer, D. R., S. Park, C. W. Bielawski, R. S. Ruoff. (2010). *Chem. Soc. Rev.* 2010, 39, 228 ..
- Friedrich, W (1913). *Eine neue Interferenzerscheinung bei Röntgenstrahlen*. *Physikalische Zeitschrift (in German)* 14: 317.

- Fuchs, Jean-Noel., Mark Oliver Goerbig. (2008). *Introduction to the Physical Properties of Graphene*, A Lecture Notes.
- Fuhrer, Michael S., Chun Ning Lau, MacDonald Alan H.. 2010. *Graphene: Materially Better Carbon*, MRS Bulletin. Vol 35.
- Novoselov, K. S., Geim, A. K., Morozov, S. V., Jiang, D., Zhang, Y., Dubonos, S. V., Grigorieva, I. V., Firsov, A. A. (2004). *Electric Field Effect in Atomically Thin Carbon Films*, Science 306 (5696): 666–669.
- Gomez-Navarro C., Burghard M. Kern K. (2008). *Nano Lett.* 2008, 8, 2045..
- Grassi, Roberto., Tony Low, and Mark Lundstrom. *Scaling of the Energy Gap in Pattern-Hydrogenated Graphene*, dx.doi.org/10.1021/nl2017338 | Nano Lett.
- Jia, X. T., M. Hofmann, V. Meunier, B. G. Sumpter, J. Campos-Delgado, J. M. Romo-Herrera. (2006). *Science* 2009, 323, 1701 ..
- Katsnelson, M. I. (2008). *Eur. Phys. J. B* 2006, 51, 157.
- Kittel, Charles,. (2005). *Introduction to Solid State Physics*, John Wiley and Son's, Inc.
- Kohlschütter, V., Haenni, P. (1919). *Zur Kenntnis des Graphitischen Kohlenstoffs und der Graphitsäure*. Zeitschrift für anorganische und allgemeine Chemie (in German) 105 (1):121–144.doi:10.1002/zaac.19191050109.
- Leb'egue, S., Klintonberg, M., O. Eriksson, and M. I. Katsnelson, (2009), *Accurate electronic band gap of pure and functionalized graphane from GW calculations*, arXiv:0903.0310v1.
- McCann, Edward., (2012), *Electronic properties of monolayer and bilayer graphene*, arXiv:1205.4849v1
- Nakada, Kengo., Akira Ishii, (2010), *DFT Calculation for Adatom Adsorption on Graphene*, Department of Applied Mathematics and Physics Tottori University, Tottori JST-CREST, 5 Sanbancho Chiyoda-ku, Tokyo Japan.
- Castro Neto, A. H., F. Guinea, N. M. R. Peres, K. S. Novoselov dan A. K. Geim (2009). *The electronic properties of graphene*, REVIEWS OF MODERN PHYSICS, VOLUME 81, JANUARY–MARCH 2009

- Oshima, C., Nagashima, A. (1997). *Ultra-thin epitaxial films of graphite and hexagonal boron nitride on solid surfaces*, J. Phys.: Condens. Matter 9: 1.
- Pereira, Vitor M., J. M. B. Lopes dos Santos., A. H. Castro Neto., (2008), *Modeling Disorder in Graphene*, PHYSICAL REVIEW B77, 115109.
- Puri, R. K., Babbar, V. K., (1997), *Solid State Physics*, S. Chand and Company Ltd.
- Putz, Sebastian., Martin Gmitra, Jaroslav Fabian, (2013), *Optical conductivity of hydrogenated graphene from first principles*, arXiv:1309.1016v1.
- Ruess, G., Vogt, F. (1948). *Höchstlamellarer Kohlenstoff aus Graphitoxhydroxyd*, Monatshefte für Chemie (in German) 78 (3–4): 222.
- Slonczewski, J. C. dan Weiss P. R. (1957). *Band Structure of Graphite*, Physical Review. Vol 109 Number 2.
- Sofo, Jorge O., Ajay S. Chaudhari, and Greg D. Barber, (2010), *Graphane: a two-dimensional hydrocarbon*.
- Tabert, Calvin Jerome., (2012), *Optical Properties of AA-Stacked Bilayer Graphene*. A Thesis presented to The University of Guelph.
- Wallace, P. R. (1946). *The Band Theory of Graphite*, Physical Review. Vol 71 Number 9.
- F. Wang, Y. B. Zhang, C. S. Tian, C. Girit, A. Zettl, M. Crommie, Y. R. Shen, (2008), –, Science 2008, 320, 206 .
- C. H. Yu, L. Shi, Z. Yao, D. Y. Li, A. Majumdar, (2005), –, Nano Lett. 2005, 5, 1842 .
- Yuan, Shengjun., Hans De Raedt, Mikhail I. Katsnelson,, (2010), *Modeling electronic structure and transport properties of graphene with resonant scattering centers*, PHYSICAL REVIEW B82, 115448.
- Yuan, Shengjun., Rafael Roldan, Hans De Raedt, and Mikhail I. Katsnelson, (2011), *Optical conductivity of disordered graphene beyond the Dirac cone approximation*, PHYSICAL REVIEW B84, 195418 (2011).

Zhu, Yanwu, Shanthi Murali, Weiwei Cai, Xuesong Li, Ji Won Suk, Jeffrey R. Potts, and Rodney S. Ruoff, (2010), *Graphene and Graphene Oxide: Synthesis, Properties, and Applications*, Adv. Mater. 2010, XX, 1–19.