

DAFTAR PUSTAKA

- Acun, A., Zhang, L., Bampoulis, P., Farmanbar, M., van Houselt, A., Rudenko, A. N., ... Zandvliet, H. J. W. 2015. *Germanene: the germanium analogue of graphene*. *Journal of Physics: Condensed Matter*, 27(44), 443002. <https://doi.org/10.1088/0953-8984/27/44/443002>
- Adair, R. 2007. *Boron*. New York: Rosen Publishing Group.
- Ando, Y., Watanabe, S., Minamitani, E., & Ni, Z. 2015. *The electronic structure of quasi-free-standing germanene on monolayer MX (M = Ga, In; X = S, Se, Te)*. *Phys. Chem. Chem. Phys.*, 17(29), 19039–19044. <https://doi.org/10.1039/C5CP02428E>
- Aspnes, D. E., & Studna, A. A. 1983. *Dielectric functions and optical parameters of Si, Ge, GaP, GaAs, GaSb, InP, InAs, and InSb from 1.5 to 6.0 eV*. *Physical Review B*, 27(2), 985–1009. <https://doi.org/10.1103/PhysRevB.27.985>
- Avison, J. 1984. *The World of Physics*. London: Thomas and Sons Ltd.
- Balendhran, S., Walia, S., Nili, H., Sriram, S., & Bhaskaran, M. 2014. *Elemental Analogues of Graphene: Silicene, Germanene, Stanene, and Phosphorene*.
- Beatty, R. 2006. *Boron*. New York: Marshall Cavendish Corporation.
- Cahangirov, S., Sahin, H., Le Lay, G., & Rubio, A. 2017. *Introduction to the Physics of Silicene and other 2D Materials*. <https://doi.org/10.1007/978-3-319-46572-2>
- Cai, Y., Chuu, C. P., Wei, C. M., & Chou, M. Y. 2013. *Stability and electronic properties of two-dimensional silicene and germanene on graphene*. *Physical Review B - Condensed Matter and Materials Physics*, 88(24), 1–6. <https://doi.org/10.1103/PhysRevB.88.245408>
- Chen, X., Sun, X., Jiang, J., Liang, Q., Yang, Q., & Meng, R. 2016. *Electrical and Optical Properties of Germanene on Single-Layer BeO Substrate*. *Journal of Physical Chemistry C*, 120(36), 20350–20356. <https://doi.org/10.1021/acs.jpcc.6b06161>
- Fardndon, J. 1999. *The elements: Nitrogen*. New York: Marshall Cavendish Corporation.
- Fox, M. 2010. *Optical Properties of Solids*. New York: Oxford University Press.

- Gross, E. K. U., & Dreizler, R. M. 1995. *Density Functional Theory*. New York: Springer.
- Hammond, C. 2002. *The Basics of Crystallography and Diffraction (2nd edn)*. *Measurement Science and Technology*. New York: Oxford University Press. <https://doi.org/10.1088/0957-0233/13/2/708>
- Hayes, A. wallace. 2008. *Principles and Methods of Toxicology Fifth Edition*. New York: Informa Healthcare USA, Inc.
- Hornberg, A. 2006. *Handbook of Machine Vision*. Darmstadt: Betsz-Druck GmbH.
- Houches, L. 2000. *Atomic clusters and nanoparticles*. New York: Springer.
- Iadonisi, G., Cantele, G., & Chiofalo, M. L. 2014. *Introduction to Solid State Physics and Crystalline Nanostructures*. <https://doi.org/10.1007/978-88-470-2805-0>
- John, R., & Merlin, B. 2017. *Optical properties of graphene, silicene, germanene, and stanene from IR to far UV – A first principles study*. *Journal of Physics and Chemistry of Solids*, 110(June), 307–315. <https://doi.org/10.1016/j.jpcs.2017.06.026>
- Kasap, S., Ruda, H., & Boucher, Y. 2009. *Cambridge Illustrated Handbook of Optoelectronics and Photonics*. New York: Cambridge University Press.
- Keldysh, L. V., Kirzhnits, D. A., & Maradudin, A. A. 1989. *The Dielectric Function of Condensed Systems*. Amsterdam: Elsevier Science Publisher B.V.
- Kordt, P. 2012. *Single-site Green Function of the Dirac Equation for Full-potential Electron Scattering*. Jülich: forschungszentrums jülich GmbH.
- Kosevich, A. M. 2015. *The Crystal Lattice: Phonons, Solitons, Dislocations, Superlattices*.
- Krebs, R. E. 2006. *The History and Use of Our Earth's Chemical Elements: A Reference Guide*. London: Greenwood Press.
- Lewars, E. G. 2011. *Computational Chemistry: Introduction to the Theory and Applications of Molecular and Quantum Mechanics*. New York: Springer.
- Liu, Q., Tang, K., Zheng, J., Zhou, J., Qin, R., Gao, Z., ... Ni, Z. 2012. *Tunable bandgap in silicene and germanene*. *Nano Letters*, 12(1), 113–118. <https://doi.org/10.1021/nl203065e>

- Liu, Z. B., Zhang, X. L., Yan, X. Q., Chen, Y. S., & Tian, J. G. 2012. *Nonlinear optical properties of graphene-based materials. Chinese Science Bulletin*, 57(23), 2971–2982. <https://doi.org/10.1007/s11434-012-5270-4>
- Liu, Z. B., Zhang, X. L., Yan, X. Q., Chen, Y. S., & Tian, J. G. 2012. *Nonlinear optical properties of graphene-based materials. Chinese Science Bulletin*. Shaniwar peth: Technical Publications Pune. <https://doi.org/10.1007/s11434-012-5270-4>
- Luciarini, V., Saarinen, J. J., Peiponen, K. E., & Vartiainen, E. . 2005. *Kramers-Kronig Relations in Optical Materials Research*. Berlin: Springer.
- Malcolm, D. R. 1995. *Asas Elektronik*. Sekudai: Universiti Teknologi Malaysia.
- Muchtaridi, A., & Justiana, S. 2006. *Kimia 2*. Jakarta: Yudhistira.
- Nath, P., Chowdhury, S., Sanyal, D., & Jana, D. 2014. *Ab-initio calculation of electronic and optical properties of nitrogen and boron doped graphene nanosheet. Carbon*, 73, 275–282. <https://doi.org/10.1016/j.carbon.2014.02.064>
- O'Reilly, E. P. 2003. *Quantum Theory of Solids*. New York: Taylor & Francis Group, LLC.
- Pajot, B., & Clerjoud, B. 2013. *Optical Absorption of Impurities and Defects in Semiconducting Crystals*. Berlin: Springer.
- Palik, E. D. 1998. *Handbook of Optical Constants of Solids, Volume 3*. New York: Academic Press,INC.
- Radamson, H., & Thylen, L. 2015. *Monolithic Nanoscale Photonics-Electronics Integration in Silicon and Other*. London: Elsevier Ltd.
- Rossler, U. 2004. *Solid State Theory*. Regensburg: Springer.
- Roza, G. 2010. *The Nitrogen Elements: Nitrogen, Phosphorous, Arsenic, Antimony, Bismuth*. New York: Rosen Publishing Group, Inc.
- Saputro, A. N. C. 2015. *Buku Ajar: Konsep Dasar Kimia Koordinasi*. Yogyakarta: Deepbulish.
- Satapathy, S. C., Raju, K. S., Mandal, J. K., & Bhateja, V. 2016. *Proceedings of the Second International Conference on Computer and Communication Technologies*. New Delhi: Springer.
- Srivastava, G. P. 1999. *Theoretical Modelling of Semiconductor*

- Surfaces: Microscopic Studies of Electrons and Phonons*. New Jersey: World Scientific Publishing Co. Pte. Ltd.
- Surjono, H. D. 2007. *Elektronika : Teori dan Penerapan*. Jember: Penerbit Ulet Kreatif.
- Sutikno. 2010. *Pengantar Fisika dan Teknologi Semikonduktor*. Yogyakarta: Deepbulish.
- Thornton, Steven T. and Rex, A. 1993. *Modern Physics for Scientists and Engineers*.
- Wooten, F. 1972. *Optical Properties of Solids*. New York: Academic Press,INC.
- Xu, B., Lu, Y. H., Feng, Y. P., Lin, J. Y., Xu, B., Lu, Y. H., ... Lin, J. Y. 2014. *Density functional theory study of BN-doped graphene superlattice: Role of geometrical shape and size Density functional theory study of BN-doped graphene superlattice : , 73711(2010)*. <https://doi.org/10.1063/1.3487959>