

DAFTAR PUSTAKA

- Bolotin, K.I., Sikes, K.J., Jiang, Z., Klima, M., Fudenberg, G., Hone, J., Kim, P., dan Stormer, H.L., 2008, Ultrahigh Electron Mobility in Suspended Graphene. *Solid. State. Commun.*, 146, 351–355.
- Castro Neto, A. H. F. Guinea, N. M. R. Peres, K. S. Novoselov, and A. K. Geim. (2009) ‘The electronic properties of graphene’, *Reviews of Modern Physics*, 81(1), pp. 109–162. doi:10.1103/RevModPhys.81.109.
- Choi, W. Lahiri, I. Seelaboyina, R. and Kang, Y.S. (2010) ‘Synthesis of graphene and its applications: A review’, *Critical Reviews in Solid State and Materials Sciences*, 35(1), pp. 52–71. doi: 10.1080/10408430903505036.
- Das, A., Chakraborty, B. and Sood, A. K. (2008) ‘Raman spectroscopy of graphene on different substrates and influence of defects’, *Bulletin of Materials Science*, 31(3), pp. 579–584. doi: 10.1007/s12034-008-0090-5.
- Greczynski, G. and Hultman, L. (2020) ‘X-ray photoelectron spectroscopy: Towards reliable binding energy referencing’, *Progress in Materials Science*. Elsevier, 107(June 2018), p. 100591. doi: 10.1016/j.pmatsci.2019.100591.
- John, N. and George, S. (2017) *Raman Spectroscopy, Spectroscopic Methods for Nanomaterials Characterization*. Elsevier Inc. doi: 10.1016/B978-0-323-46140-5.00005-4.
- Lee, C., Wei, X., Kysar, J.W., dan Hone, J., 2008, Measurement of the Elastic Properties and Intrinsic Strength of Monolayer Graphene, *Science*, 321, 385–388.
- Loh, K.P., Bao, Q.L., Ang, P.K., dan Yang, J.X., 2010, The Chemistry of Graphene, *J. Mater. Chem.*, 20, 2277-2289.
- Mai, Y. J. Zhang, D. Qiao, Y.Q. Gu, C.D. Wang, X.L. Tu, J.P. (2012) ‘MnO/reduced graphene oxide sheet hybrid as an anode for Li-ion batteries with enhanced lithium storage performance’, *Journal of Power Sources*, 216, pp. 201–207. doi:10.1016/j.jpowsour.2012.05.084.
- Mai, Y. J. Zhou, M.P. Ling, H.J. Chen, F.X. Lian, W.Q. Jie, X.H. (2018) ‘Surfactant-free electrodeposition of reduced graphene oxide/copper composite coatings with enhanced wear resistance’, *Applied Surface Science*. Elsevier B.V., 433, pp. 232–239. doi: 10.1016/j.apsusc.2017.10.014.

- Marcano, D. C. Kosynkin, D. V. Berlin, J.M. Sinitskii, A. Sun, Z. Slesarev, A. Alemany, L.B. Lu, W. Tour, J.M. (2010) 'Improved synthesis of graphene oxide', *ACS Nano*, 4(8), pp. 4806–4814. doi: 10.1021/nn1006368.
- McMahon, G. (2007) *Analytical Instrumentation: A Guide to Laboratory, Portable and Miniaturized Instruments, Analytical Instrumentation: A Guide to Laboratory, Portable and Miniaturized Instruments*. doi: 10.1002/9780470518564.
- Morozov, S.V., Novoselov, K.S., Schedin, F., Jiang, D., Firsov, A.A., dan Geim, A.K., 2005, Two-Dimensional Electron and Hole Gases at the Surface of Graphite, *Phys. Rev. B.*, 72, 20, 201401.
- Mkhoyan, K. A. Contryman, A.W. Silcox, J. Stewart, D.A Eda, G. Mattevi, C. Miller, S. Chhowalla, M. (2009) 'Atomic and electronic structure of graphene-oxide', *Nano Letters*, 9(3), pp. 1058–1063. doi: 10.1021/nl8034256.
- Muzyka, R. Sabina, D. Pustelny, T. Chrubasik, M. Gryglewicz, G. (2018) 'Characterization of graphite oxide and reduced graphene oxide obtained from different graphite precursors and oxidized by different methods using Raman spectroscopy', *Materials*, 11(7), pp. 15–17. doi: 10.3390/ma11071050.
- Nair, R.R., Blake, P., Grigorenko, A.N., Novoselov, K.S., Booth, T.J., Stauber, T., Peres, N.M. R., dan Geim, A.K., 2008, Fine Structure Constant Defines Visual Transparency of Graphene, *Science*, 58881, 320, 1308.
- Nine, M. J. Cole, M.A. Tran, D.N.H. Losic, D. (2015) 'Graphene: A multipurpose material for protective coatings', *Journal of Materials Chemistry A*. Royal Society of Chemistry, 3(24), pp. 12580–12602. doi: 10.1039/c5ta01010a.
- Song, H. Wang, B. Zhou, Q. Xiao, J. Jia, X. (2017) 'Preparation and tribological properties of MoS₂/graphene oxide composites', *Applied Surface Science*. Elsevier B.V., 419, pp. 24–34. doi: 10.1016/j.apsusc.2017.05.022.
- Sutton, M. A. Li, N. Joy, D.C. Reynolds, A.P. Li, X. (2007) 'Scanning electron microscopy for quantitative small and large deformation measurements Part I: SEM imaging at magnifications from 200 to 10,000', *Experimental Mechanics*, 47(6), pp. 775–787. doi: 10.1007/s11340-007-9042-z.
- Tkachev, S. V. Buslaeva, E.Y. Naumkin, A.V. Kotova, S.L. Laure, I.V. Gubin, S.P. (2012) 'Reduced graphene oxide', *Inorganic Materials*, 48(8), pp. 796–802. doi: 10.1134/S0020168512080158.

- Vajtai, R. (2013) *Springer handbook of nanomaterials*, *Springer Handbook of Nanomaterials*. doi: 10.1007/978-3-642-20595-8.
- Wang, Q. Ramirez, C. Watts, C.S. Borrero-Lopez, O. Ortiz, A.L. Sheldon, B.W. Padture, N.P. (2020) 'Fracture, fatigue, and sliding-wear behavior of nanocomposites of alumina and reduced graphene-oxide', *Acta Materialia*. Elsevier Ltd, 186, pp. 29–39. doi: 10.1016/j.actamat.2019.12.035.
- Wang, H., Yuan, X., Wu, Y., Huang, H., Peng, X., Zeng, G., Zhong, H., Liang, J., dan Ren, M., 2013, Graphene-Based Materials: Fabrication, Characterization and Application for the Decontamination of Wastewater and Waste Gas and Hydrogen Storage/Generation, *Adv. Colloid Interf. Sci.* 195–196, 19–40.
- Wang, W. Peng, Q. Dai, Y. Qian, Z. Liu, S. (2016) 'Distinctive nanofriction of graphene coated copper foil', *Computational Materials Science*. Elsevier B.V., 117, pp. 406–411. doi: 10.1016/j.commatsci.2016.01.007.
- Zeng, X. Yu, J. Fu, D. Zhang, H. Teng, J. (2018a) 'Wear characteristics of hybrid aluminum-matrix composites reinforced with well-dispersed reduced graphene oxide nanosheets and silicon carbide particulates', *Vacuum*. Elsevier, 155(May), pp. 364–375. doi: 10.1016/j.vacuum.2018.06.033.
- Zeng, X. Yu, J. Fu, D. Zhang, H. Teng, J. (2018b) 'Wear characteristics of hybrid aluminum-matrix composites reinforced with well-dispersed reduced graphene oxide nanosheets and silicon carbide particulates', *Vacuum*. Elsevier, 155(June), pp. 364–375. doi: 10.1016/j.vacuum.2018.06.033.
- Zeng, Z. Liu, Y. Guo, R. Li, K. (2019) 'Friction and wear behaviours of in situ reduced graphene oxide reinforced zirconia ceramic', *International Journal of Refractory Metals and Hard Materials*. Elsevier, 79(October 2018), pp. 164–170. doi: 10.1016/j.ijrmhm.2018.12.006.
- Zhao, Z. Bai, P. Du, W. Liu, B. Pan, D. Das, R. Liu, C. Guo, Z. (2020) 'An overview of graphene and its derivatives reinforced metal matrix composites: Preparation, properties and applications', *Carbon*. Elsevier Ltd, 170, pp. 302–326. doi: 10.1016/j.carbon.2020.08.040.