



## DAFTAR PUSTAKA

- Abdillah, O. B., Floweri, O., Mayangsari, T. R., Santosa, S. P., Ogi, T., & Iskandar, F. (2021). Effect of H<sub>2</sub>SO<sub>4</sub>/H<sub>2</sub>O<sub>2</sub> pre-treatment on electrochemical properties of exfoliated graphite prepared by an electro-exfoliation method. *RSC Advances*, *11*(18), 10881–10890. <https://doi.org/10.1039/d0ra10115j>
- Agus Putri, N., Arifin, Z., & Supardi, I. (2023). SINTESIS DAN KARAKTERISASI GRAPHENE OXIDE (GO) DARI BAHAN ALAM TEMPURUNG KELAPA. *Jurnal Inovasi Fisika Indonesia (IFI)*, *12*, 47–55.
- Ahmed, R., Liu, G., Yousaf, B., Abbas, Q., Ullah, H., & Ali, M. U. (2020). Recent advances in carbon-based renewable adsorbent for selective carbon dioxide capture and separation-A review. *Journal of Cleaner Production*, *242*, 118409. <https://doi.org/10.1016/j.jclepro.2019.118409>
- Al-Gaashani, R., Najjar, A., Zakaria, Y., Mansour, S., & Atieh, M. A. (2019). XPS and structural studies of high quality graphene oxide and reduced graphene oxide prepared by different chemical oxidation methods. *Ceramics International*, *45*(11), 14439–14448. <https://doi.org/10.1016/j.ceramint.2019.04.165>
- Alam, S. N., Sharma, N., & Kumar, L. (2017). Synthesis of Graphene Oxide (GO) by Modified Hummers Method and Its Thermal Reduction to Obtain Reduced Graphene Oxide (rGO)\*. *Graphene*, *06*(01), 1–18. <https://doi.org/10.4236/graphene.2017.61001>
- Aliyev, E., Filiz, V., Khan, M. M., Lee, Y. J., Abetz, C., & Abetz, V. (2019). Structural characterization of graphene oxide: Surface functional groups and fractionated oxidative debris. *Nanomaterials*, *9*(8). <https://doi.org/10.3390/nano9081180>
- Alkhouzaam, A., Qiblawey, H., Khraisheh, M., Atieh, M., & Al-Ghouti, M. (2020). Synthesis of graphene oxides particle of high oxidation degree using a modified Hummers method. *Ceramics International*, *46*(15), 23997–24007. <https://doi.org/10.1016/j.ceramint.2020.06.177>
- Allende, S., Liu, Y., Zafar, M. A., & Jacob, M. V. (2024). Synthesis and application of biomass-based graphene oxide using microwave-assisted pyrolysis method. *Nano-Structures and Nano-Objects*, *40*. <https://doi.org/10.1016/j.nanoso.2024.101338>
- Arango Hoyos, B. E., Osorio, H. F., Valencia Gómez, E. K., Guerrero Sánchez, J., Del Canto Palominos, A. P., Larrain, F. A., & Prías Barragán, J. J. (2023). Exploring the capture and desorption of CO<sub>2</sub> on graphene oxide foams supported by computational



- calculations. *Scientific Reports*, 13(1). <https://doi.org/10.1038/s41598-023-41683-4>
- Azizighannad, S., & Mitra, S. (2018). Stepwise reduction of Graphene Oxide (GO) and its effects on chemical and colloidal properties. *Scientific Reports*, 8(1). <https://doi.org/10.1038/s41598-018-28353-6>
- Bhanja, P., Das, S. K., Patra, A. K., & Bhaumik, A. (2016). Functionalized graphene oxide as an efficient adsorbent for CO<sub>2</sub> capture and support for heterogeneous catalysis. *RSC Advances*, 6(76), 72055–72068. <https://doi.org/10.1039/c6ra13590k>
- Brisebois, P. P., & Siaj, M. (2020). Harvesting graphene oxide—years 1859 to 2019: A review of its structure, synthesis, properties and exfoliation. *Journal of Materials Chemistry C*, 8(5), 1517–1547. <https://doi.org/10.1039/c9tc03251g>
- Bui, M., Adjiman, C. S., Bardow, A., Anthony, E. J., Boston, A., Brown, S., Fennell, P. S., Fuss, S., Galindo, A., Hackett, L. A., Hallett, J. P., Herzog, H. J., Jackson, G., Kemper, J., Krevor, S., Maitland, G. C., Matuszewski, M., Metcalfe, I. S., Petit, C., ... Mac Dowell, N. (2018). Carbon capture and storage (CCS): The way forward. *Energy and Environmental Science*, 11(5), 1062–1176. <https://doi.org/10.1039/c7ee02342a>
- Chen, X., Qu, Z., Liu, Z., & Ren, G. (2022). Mechanism of Oxidization of Graphite to Graphene Oxide by the Hummers Method. *ACS Omega*, 7(27), 23503–23510. <https://doi.org/10.1021/acsomega.2c01963>
- Choi, Y. R., Yoon, Y. G., Choi, K. S., Kang, J. H., Shim, Y. S., Kim, Y. H., Chang, H. J., Lee, J. H., Park, C. R., Kim, S. Y., & Jang, H. W. (2015). Role of oxygen functional groups in graphene oxide for reversible room-temperature NO<sub>2</sub> sensing. *Carbon*, 91, 178–187. <https://doi.org/10.1016/j.carbon.2015.04.082>
- Chowdhury, S., & Balasubramanian, R. (2016). Highly efficient, rapid and selective CO<sub>2</sub> capture by thermally treated graphene nanosheets. *Journal of CO<sub>2</sub> Utilization*, 13, 50–60. <https://doi.org/10.1016/j.jcou.2015.12.001>
- Chua, C. K., & Pumera, M. (2014). Chemical reduction of graphene oxide: A synthetic chemistry viewpoint. In *Chemical Society Reviews* (Vol. 43, Issue 1, pp. 291–312). Royal Society of Chemistry. <https://doi.org/10.1039/c3cs60303b>
- Danushika, G., Yap, P. L., & Losic, D. (2025). *Graphene Innovation and Technology Oxygen Functional Groups in Graphene Oxide Using Titration Methods: Quantitative Analysis and New Quality Parameters*.
- Donato, K. Z., Tan, H. L., Marangoni, V. S., Martins, M. V. S., Ng, P. R., Costa, M. C. F., Jain, P., Lee, S. J., Koon, G. K. W., Donato, R. K., & Castro Neto, A. H. (2023).



- Graphene oxide classification and standardization. *Scientific Reports*, 13(1).  
<https://doi.org/10.1038/s41598-023-33350-5>
- Dreyer, D. R., Park, S., Bielawski, C. W., & Ruoff, R. S. (2010). The chemistry of graphene oxide. *Chemical Society Reviews*, 39(1), 228–240.  
<https://doi.org/10.1039/b917103g>
- Eckmann, A., Felten, A., Mishchenko, A., Britnell, L., Krupke, R., Novoselov, K. S., & Casiraghi, C. (2012). Probing the nature of defects in graphene by Raman spectroscopy. *Nano Letters*, 12(8), 3925–3930. <https://doi.org/10.1021/nl300901a>
- Ederer, J., Janoš, P., Ecorchard, P., Štengl, V., Bělčická, Z., Št'astný, M., Pop-Georgievski, O., & Dohnal, V. (2016). Quantitative determination of acidic groups in functionalized graphene by direct titration. *Reactive and Functional Polymers*, 103, 44–53. <https://doi.org/10.1016/j.reactfunctpolym.2016.03.021>
- Eigler, S., & Hirsch, A. (2014). Chemistry with graphene and graphene oxide - Challenges for synthetic chemists. In *Angewandte Chemie - International Edition* (Vol. 53, Issue 30, pp. 7720–7738). Wiley-VCH Verlag. <https://doi.org/10.1002/anie.201402780>
- Emiru, T. F., & Ayele, D. W. (2017). Controlled synthesis, characterization and reduction of graphene oxide: A convenient method for large scale production. *Egyptian Journal of Basic and Applied Sciences*, 4(1), 74–79. <https://doi.org/10.1016/j.ejbas.2016.11.002>
- Esmaili, A., & Entezari, M. H. (2014). Facile and fast synthesis of graphene oxide nanosheets via bath ultrasonic irradiation. *Journal of Colloid and Interface Science*, 432, 19–25. <https://doi.org/10.1016/j.jcis.2014.06.055>
- Farjadian, F., Abbaspour, S., Sadatlu, M. A. A., Mirkiani, S., Ghasemi, A., Hoseini-Ghahfarokhi, M., Mozaffari, N., Karimi, M., & Hamblin, M. R. (2020). Recent Developments in Graphene and Graphene Oxide: Properties, Synthesis, and Modifications: A Review. *ChemistrySelect*, 5(33), 10200–10219. <https://doi.org/10.1002/slct.202002501>
- Fatmawati, D. A., Triyono, Trisunaryanti, W., Oktaviano, H. S., & Chasanah, U. (2021). The study of partially and fully oxidized graphene oxide prepared by green synthesis for wide-scale fabrication. *Rasayan Journal of Chemistry*, 14(3), 2129–2135. <https://doi.org/10.31788/RJC.2021.1436004>
- Homepage, J., Penelitian, A., Anindita, F., Studi Kimia, P., Sains dan Teknologi, F., Sembilanbelas November Kolaka Kampus, U. B., Jend Sudirman Kabupaten Buton



- Tengah, J., & Tenggara, S. (2024). METALLION JOURNAL OF CHEMISTRY LITERATUR REVIEW: POTENSI SUMBER ALAM SEBAGAI BAHAN BAKU GRAFENA. In *Meta. J. Chem* (Vol. 1, Issue 1).
- Huskić, M., Kepić, D., Kleut, D., Mozetič, M., Vesel, A., Anžlovar, A., Bogdanović, D. B., & Jovanović, S. (2024). The Influence of Reaction Conditions on the Properties of Graphene Oxide. *Nanomaterials*, *14*(3). <https://doi.org/10.3390/nano14030281>
- Islam, M. S., Kushwaha, A. K., & Misra, M. (2024). Review on the recycling of anode graphite from waste lithium-ion batteries. In *Journal of Material Cycles and Waste Management* (Vol. 26, Issue 6, pp. 3341–3369). Springer. <https://doi.org/10.1007/s10163-024-02093-4>
- Jin, Y., Zheng, Y., Podkolzin, S. G., & Lee, W. (2020). Band gap of reduced graphene oxide tuned by controlling functional groups. *Journal of Materials Chemistry C*, *8*(14), 4885–4894. <https://doi.org/10.1039/c9tc07063j>
- Kamil, A. F., Abdullah, H. I., Rheima, A. M., & Khamis, W. M. (n.d.). Modification of hummers presses for synthesis graphene oxide nano-sheets and graphene oxide /Ag nanocomposites. In *Journal of Ovonic Research* (Vol. 17, Issue 3).
- Karnis, I., Krasanakis, F., Sygellou, L., Rissanou, A. N., Karatasos, K., & Chrissopoulou, K. (2024). Varying the degree of oxidation of graphite: effect of oxidation time and oxidant mass. *Physical Chemistry Chemical Physics*. <https://doi.org/10.1039/d3cp05268k>
- Khalili, D. (n.d.). *Graphene oxide: a promising carbocatalyst for the regioselective thiocyanation of aromatic amines, phenols, anisols and enolizable ketones by hydrogen peroxide/KSCN in water*.
- Khosrowshahi, M. S., Abdol, M. A., Mashhadimoslem, H., Khakpour, E., Emrooz, H. B. M., Sadeghzadeh, S., & Ghaemi, A. (2022). The role of surface chemistry on CO<sub>2</sub> adsorption in biomass-derived porous carbons by experimental results and molecular dynamics simulations. *Scientific Reports*, *12*(1). <https://doi.org/10.1038/s41598-022-12596-5>
- Kigozi, M., Koech, R. K., Kingsley, O., Ojeaga, I., Tebandeke, E., Kasozi, G. N., & Onwualu, A. P. (2020). Synthesis and characterization of graphene oxide from locally mined graphite flakes and its supercapacitor applications. *Results in Materials*, *7*. <https://doi.org/10.1016/j.rinma.2020.100113>
- Kumar, G. C. M., & Jalageri, M. (2020). Synthesis and characterization of graphene oxide by modified hummer method. *AIP Conference Proceedings*, *2247*.



<https://doi.org/10.1063/5.0003864>

- Lai, J. Y., Ngu, L. H., & Hashim, S. S. (2021). A review of CO<sub>2</sub> adsorbents performance for different carbon capture technology processes conditions. *Greenhouse Gases: Science and Technology*, *11*(5), 1076–1117. <https://doi.org/10.1002/ghg.2112>
- Li, C., Lu, Y., Yan, J., Yu, W., Zhao, R., Du, S., & Niu, K. (2021). Effect of long-term ageing on graphene oxide: Structure and thermal decomposition. *Royal Society Open Science*, *8*(12). <https://doi.org/10.1098/rsos.202309>
- Luo, D., & Zhang, X. (2018). The effect of oxygen-containing functional groups on the H<sub>2</sub> adsorption of graphene-based nanomaterials: experiment and theory. *International Journal of Hydrogen Energy*, *43*(11), 5668–5679. <https://doi.org/10.1016/j.ijhydene.2018.01.164>
- M, B., & Periyat, P. (2024). Graphene and its derivatives for air purification: A mini review. *Results in Engineering*, *21*. <https://doi.org/10.1016/j.rineng.2024.101809>
- Maity, I., Ghosh, K., Rahaman, H., & Bhattacharyya, P. (2017). Selectivity Tuning of Graphene Oxide Based Reliable Gas Sensor Devices by Tailoring the Oxygen Functional Groups: A DFT Study Based Approach. *IEEE Transactions on Device and Materials Reliability*, *17*(4), 738–745. <https://doi.org/10.1109/TDMR.2017.2766291>
- Montzka, S. A., Dlugokencky, E. J., & Butler, J. H. (2011). Non-CO<sub>2</sub> greenhouse gases and climate change. In *Nature* (Vol. 476, Issue 7358, pp. 43–50). <https://doi.org/10.1038/nature10322>
- Muzyka, R., Kwoka, M., Smędowski, Ł., Díez, N., & Gryglewicz, G. (2017). Oxidation of graphite by different modified Hummers methods. *Xinxing Tan Cailiao/New Carbon Materials*, *32*(1), 15–20. [https://doi.org/10.1016/S1872-5805\(17\)60102-1](https://doi.org/10.1016/S1872-5805(17)60102-1)
- Nasrollahzadeh, M., Atarod, M., Jaleh, B., & Gandomirouzbahani, M. (2016). In situ green synthesis of Ag nanoparticles on graphene oxide/TiO<sub>2</sub> nanocomposite and their catalytic activity for the reduction of 4-nitrophenol, congo red and methylene blue. *Ceramics International*, *42*(7), 8587–8596. <https://doi.org/10.1016/j.ceramint.2016.02.088>
- Nováček, M., Jankovský, O., Luxa, J., Sedmidubský, D., Pumera, M., Fila, V., Lhotka, M., Klímová, K., Matějková, S., & Sofer, Z. (2017). *Tuning of graphene oxide composition by multiple oxidations for carbon dioxide storage and capture of toxic metals.*
- Olajire, A. A. (2010). CO<sub>2</sub> capture and separation technologies for end-of-pipe



- applications - A review. *Energy*, 35(6), 2610–2628.  
<https://doi.org/10.1016/j.energy.2010.02.030>
- Olorunkosebi, A. A., Eleruja, M. A., Adedeji, A. V., Olofinjana, B., Fasakin, O., Omotoso, E., Oyedotun, K. O., Ajayi, E. O. B., & Manyala, N. (2021). Optimization of graphene oxide through various Hummers' methods and comparative reduction using green approach. *Diamond and Related Materials*, 117. <https://doi.org/10.1016/j.diamond.2021.108456>
- Oluwasina, O. O., Rana, S., Jonnalagadda, S. B., & Martincigh, B. S. (2021). Synthesis and characterization of graphene oxide under different conditions, and a preliminary study on its efficacy to adsorb Cu<sup>2+</sup>. *Advances in Science, Technology and Engineering Systems*, 6(1), 10–16. <https://doi.org/10.25046/aj060102>
- Pachfule, P., Shinde, D., Majumder, M., & Xu, Q. (2016). Fabrication of carbon nanorods and graphene nanoribbons from a metal-organic framework. *Nature Chemistry*, 8(7), 718–724. <https://doi.org/10.1038/nchem.2515>
- Pardakhti, M., Jafari, T., Tobin, Z., Dutta, B., Moharreri, E., Shemshaki, N. S., Suib, S., & Srivastava, R. (2019). Trends in Solid Adsorbent Materials Development for CO<sub>2</sub> Capture. *ACS Applied Materials and Interfaces*, 11(38), 34533–34559. <https://doi.org/10.1021/acsami.9b08487>
- Pevida, C., Plaza, M. G., Arias, B., Feroso, J., Rubiera, F., & Pis, J. J. (2008). Surface modification of activated carbons for CO<sub>2</sub> capture. *Applied Surface Science*, 254(22), 7165–7172. <https://doi.org/10.1016/j.apsusc.2008.05.239>
- Pratama, R., & Kunci, K.-K. (2019). EFEK RUMAH KACA TERHADAP BUMI. In *Cetak) Buletin Utama Teknik* (Vol. 14, Issue 2). Online.
- Qiao, Y., Zhao, H., Shen, Y., Li, L., Rao, Z., Shao, G., & Lei, Y. (2023). Recycling of graphite anode from spent lithium-ion batteries: Advances and perspectives. In *EcoMat* (Vol. 5, Issue 4). John Wiley and Sons Inc. <https://doi.org/10.1002/eom2.12321>
- Qin, J., Zhang, Y., Lowe, S. E., Jiang, L., Ling, H. Y., Shi, G., Liu, P., Zhang, S., Zhong, Y. L., & Zhao, H. (2019). Room temperature production of graphene oxide with thermally labile oxygen functional groups for improved lithium ion battery fabrication and performance. *Journal of Materials Chemistry A*, 7(16), 9646–9655. <https://doi.org/10.1039/c9ta02244a>
- Ramar, V., & Balraj, A. (2022). Critical Review on Carbon-Based Nanomaterial for Carbon Capture: Technical Challenges, Opportunities, and Future Perspectives.



<https://doi.org/10.1021/acs.energyfuels.2c02585>

- Rao, K. S., Senthilnathan, J., Liu, Y. F., & Yoshimura, M. (2014). Role of peroxide ions in formation of graphene nanosheets by electrochemical exfoliation of graphite. *Scientific Reports*, 4, 1–6. <https://doi.org/10.1038/srep04237>
- Ribeiro, J. S., Freitas, M. B. J. G., & Freitas, J. C. C. (2021). Recycling of graphite and metals from spent Li-ion batteries aiming the production of graphene/CoO-based electrochemical sensors. *Journal of Environmental Chemical Engineering*, 9(1). <https://doi.org/10.1016/j.jece.2020.104689>
- Selvakumar, N., Pradhan, U., Krupanidhi, S. B., & Barshilia, H. C. (2016). Structural and Optical Properties of Graphene Oxide Prepared by Modified Hummers' Method. In *CMC* (Vol. 52, Issue 3).
- Sezgin, D., & Sari Yilmaz, M. (2024). CO<sub>2</sub> Capture Performance of Graphene Oxide Synthesized Under Ultrasound Irradiation. *Politeknik Dergisi*, 27(2), 681–687. <https://doi.org/10.2339/politeknik.1179735>
- Sheka, E. F., & Popova, N. A. (n.d.). *Molecular theory of graphene oxide*.
- Sieradzka, M., Ślusarczyk, C., Binias, W., & Fryczkowski, R. (2021). The role of the oxidation and reduction parameters on the properties of the reduced graphene oxide. *Coatings*, 11(2), 1–18. <https://doi.org/10.3390/coatings11020166>
- Singh, S. B., & Dastgheib, S. A. (2023). Physicochemical transformation of graphene oxide during heat treatment at 110–200 °C. *Carbon Trends*, 10. <https://doi.org/10.1016/j.cartre.2023.100251>
- Stankovich, S., Dikin, D. A., Dommett, G. H. B., Kohlhaas, K. M., Zimney, E. J., Stach, E. A., Piner, R. D., Nguyen, S. B. T., & Ruoff, R. S. (2006). Graphene-based composite materials. *Nature*, 442(7100), 282–286. <https://doi.org/10.1038/nature04969>
- Suhaimin, N. S., Hanifah, M. F. R., Azhar, M., Jaafar, J., Aziz, M., Ismail, A. F., Othman, M. H. D., Rahman, M. A., Aziz, F., Yusof, N., & Mohamud, R. (2022). The evolution of oxygen-functional groups of graphene oxide as a function of oxidation degree. *Materials Chemistry and Physics*, 278. <https://doi.org/10.1016/j.matchemphys.2021.125629>
- Suhaimin, N. S., Hanifah, M. F. R., Jusin, J. wani, Jaafar, J., Aziz, M., Ismail, A. F., Othman, M. H. D., Abd Rahman, M., Aziz, F., Yusof, N., & Mohamud, R. (2021). Tuning the oxygen functional groups in graphene oxide nanosheets by optimizing



- the oxidation time. *Physica E: Low-Dimensional Systems and Nanostructures*, 131. <https://doi.org/10.1016/j.physe.2021.114727>
- Sunali, Mago, J., Negi, A., Pant, K. K., & Fatima, S. (2024). Utilization of spent graphite from lithium-ion batteries waste as sustainable reinforcing filler for thermal, vibration-damping, and noise control applications. *Journal of Cleaner Production*, 481. <https://doi.org/10.1016/j.jclepro.2024.144143>
- Suvarnaphaet, P., & Pechprasarn, S. (2017). Graphene-based materials for biosensors: A review. *Sensors (Switzerland)*, 17(10). <https://doi.org/10.3390/s17102161>
- Suwahyono, U. (2011). Biokonversi Karbondioksida Untuk Bahan Baku Industri. *Jurnal Teknologi Lingkungan*, 9(1), 1–5. <https://doi.org/10.29122/jtl.v9i1.446>
- Tang, S., & Cao, Z. (2011). Adsorption of nitrogen oxides on graphene and graphene oxides: Insights from density functional calculations. *Journal of Chemical Physics*, 134(4). <https://doi.org/10.1063/1.3541249>
- Tarango-Rivero, G., Mendoza-Duarte, J. M., Santos-Beltrán, A., Estrada-Guel, I., Garay-Reyes, C. G., Pizá-Ruiz, P., Gómez-Esparza, C. D., Rocha-Rangel, E., & Martínez-Sánchez, R. (2022). Effect of Process Parameters on the Graphite Expansion Produced by a Green Modification of the Hummers Method. *Molecules*, 27(21). <https://doi.org/10.3390/molecules27217399>
- Tarannum, F., Danayat, S., Nayal, A., Mona, Z. T., Annam, R. S., Walters, K. B., & Garg, J. (2024). Hydrogen-peroxide intercalated expanded graphite facilitates large enhancement in thermal conductivity of polyetherimide/graphite nanocomposites. *Journal of Materials Research and Technology*, 33, 1420–1435. <https://doi.org/10.1016/j.jmrt.2024.09.043>
- Uyigüe, E., Ediang, O. A., & Ediang, A. A. (2010). Combating Climate Change: The Role of Renewable Energy and Energy Efficiency. In *Iranian Journal of Earth Sciences* (Vol. 2).
- Vittore, A., Acocella, M. R., & Guerra, G. (2019). Edge-oxidation of graphites by hydrogen peroxide [Research-article]. *Langmuir*, 35(6), 2244–2250. <https://doi.org/10.1021/acs.langmuir.8b03489>
- Yadav, N., & Lochab, B. (2019). A comparative study of graphene oxide: Hummers, intermediate and improved method. *FlatChem*, 13, 40–49. <https://doi.org/10.1016/j.flatc.2019.02.001>
- Yau, X. H., Low, F. W., Khe, C. S., Lai, C. W., Tiong, S. K., & Amin, N. (2020). An investigation of the stirring duration effect on synthesized graphene oxide for dye-



- sensitized solar cells. *PLoS ONE*, 15(2).  
<https://doi.org/10.1371/journal.pone.0228322>
- Yoo, M. J., & Park, H. B. (2019). Effect of hydrogen peroxide on properties of graphene oxide in Hummers method. *Carbon*, 141, 515–522.  
<https://doi.org/10.1016/j.carbon.2018.10.009>
- Yu, J., Lin, M., Tan, Q., & Li, J. (2021). High-value utilization of graphite electrodes in spent lithium-ion batteries: From 3D waste graphite to 2D graphene oxide. *Journal of Hazardous Materials*, 401. <https://doi.org/10.1016/j.jhazmat.2020.123715>
- Zaaba, N. I., Foo, K. L., Hashim, U., Tan, S. J., Liu, W. W., & Voon, C. H. (2017). Synthesis of Graphene Oxide using Modified Hummers Method: Solvent Influence. *Procedia Engineering*, 184, 469–477. <https://doi.org/10.1016/j.proeng.2017.04.118>
- Zhang, C., He, R., Zhang, J., Hu, Y., Wang, Z., & Jin, X. (2018). Amorphous Carbon-Derived Nanosheet-Bricked Porous Graphite as High-Performance Cathode for Aluminum-Ion Batteries. *ACS Applied Materials and Interfaces*, 10(31), 26510–26516. <https://doi.org/10.1021/acsami.8b07590>
- Zhang, S., Wang, H., Liu, J., & Bao, C. (2020). Measuring the specific surface area of monolayer graphene oxide in water. *Materials Letters*, 261. <https://doi.org/10.1016/j.matlet.2019.127098>
- Zhao, J., Pei, S., Ren, W., Gao, L., & Cheng, H. M. (2010). Efficient preparation of large-area graphene oxide sheets for transparent conductive films. *ACS Nano*, 4(9), 5245–5252. <https://doi.org/10.1021/nn1015506>
- Zhu, X., Xu, Y., Lu, Z., & Xue, Q. (2021). Effects of Oxygenated Acids on Graphene Oxide: The Source of Oxygen-Containing Functional Group. *Frontiers in Chemistry*, 9. <https://doi.org/10.3389/fchem.2021.736954>