

DAFTAR PUSTAKA

- Abdullah, M. & Khairurrijal, K. 2009. Review: Karakterisasi Nanomaterial. *J. Nano Saintek*, 2(1): 1–9.
- Abenojar, E.C., Wickramasinghe, S., Bas-Concepcion, J. & Samia, A.C.S. 2016. Structural effects on the magnetic hyperthermia properties of iron oxide nanoparticles. *Progress in Natural Science: Materials International*, 26(5): 440–448. Tersedia di <https://linkinghub.elsevier.com/retrieve/pii/S1002007116300995>.
- Adeyeye, A.O. & Shimon, G. 2015. *Growth and Characterization of Magnetic Thin Film and Nanostructures*. 1 ed. *Handbook of Surface Science*, Elsevier B.V. Tersedia di <http://dx.doi.org/10.1016/B978-0-444-62634-9.00001-1>.
- Agarwal, V. & Zetterlund, P.B. 2021. Strategies for reduction of graphene oxide – A comprehensive review. *Chemical Engineering Journal*, 405(May 2020): 127018. Tersedia di <https://linkinghub.elsevier.com/retrieve/pii/S1385894720331466>.
- Al-Buriahi, A.K., Al-Gheethi, A.A., Senthil Kumar, P., Radin Mohamed, R.M.S., Yusof, H., Alshalif, A.F. & Khalifa, N.A. 2022. Elimination of rhodamine B from textile wastewater using nanoparticle photocatalysts: A review for sustainable approaches. *Chemosphere*, 287(P2): 132162. Tersedia di <https://doi.org/10.1016/j.chemosphere.2021.132162>.
- Albino, M., Fantechi, E., Innocenti, C., López-Ortega, A., Bonanni, V., Campo, G., Pineider, F., Gurioli, M., Arosio, P., Orlando, T., Bertoni, G., de Julián Fernández, C., Lascialfari, A. & Sangregorio, C. 2019. Role of Zn²⁺ Substitution on the Magnetic, Hyperthermic, and Relaxometric Properties of Cobalt Ferrite Nanoparticles. *The Journal of Physical Chemistry C*, 123(10): 6148–6157. Tersedia di <https://pubs.acs.org/doi/10.1021/acs.jpcc.8b10998>.
- Alhalili, Z. & Smiri, M. 2022. The Influence of the Calcination Time on Synthesis of Nanomaterials with Small Size, High Crystalline Nature and Photocatalytic Activity in the TiO₂ Nanoparticles Calcined at 500 °C. *Crystals*, 12(11): 1629. Tersedia di <https://www.mdpi.com/2073-4352/12/11/1629>.
- Ali, S., Sudha, K.G., Karunakaran, G., Kowsalya, M., Kolesnikov, E. & Rajeshkumar, M.P. 2021. Green synthesis of stable antioxidant, anticancer and photocatalytic activity of zinc oxide nanorods from *Leea asiatica* leaf. *Journal of Biotechnology*, 329(February): 65–79. Tersedia di <https://doi.org/10.1016/j.jbiotec.2021.01.022>.
- Alkhalil, A., Fathima, A., Alhasan, A.H. & Alsharaeh, E.H. 2021. PEG Coated Fe₃O₄/RGO Nano-Cube-Like Structures for Cancer Therapy via Magnetic Hyperthermia. *Nanomaterials*, 11(9): 2398. Tersedia di <https://www.mdpi.com/2079-4991/11/9/2398>.
- Alqahtani, A. sultan & Elbeltagi, S. 2025. Advancing chemistry sustainably: From synthesis to benefits and applications of green synthesis. *Journal of Organometallic Chemistry*, 1027(December 2024): 123508. Tersedia di

<https://doi.org/10.1016/j.jorganchem.2025.123508>.

- Amiri Fard, M.H., Nasiri, A. & Daraei, H. 2023. Green synthesis of AgCoFe₂O₄@Ch/AC as a recyclable, magnetic nanohybrid heterogeneous catalyst in photodegradation of ceftriaxone from aqueous solutions with effluent bioassay. *Applied Water Science*, 13(11): 220. Tersedia di <https://doi.org/10.1007/s13201-023-02026-w>.
- Amiri Zarandi, A., Sabbagh Alvani, A.A., Salimi, R., Sameie, H., Moosakhani, S., Poelman, D. & Rosei, F. 2015. Self-organization of an optomagnetic CoFe₂O₄-ZnS nanocomposite: preparation and characterization. *Journal of Materials Chemistry C*, 3(16): 3935-3945. Tersedia di <https://xlink.rsc.org/?DOI=C5TC00023H>.
- Anastas, P. & Eghbali, N. 2010. Green Chemistry: Principles and Practice. *Chem. Soc. Rev.*, 39(1): 301-312. Tersedia di <https://xlink.rsc.org/?DOI=B918763B>.
- Asín, L., Ibarra, M.R., Tres, A. & Goya, G.F. 2012. Controlled Cell Death by Magnetic Hyperthermia: Effects of Exposure Time, Field Amplitude, and Nanoparticle Concentration. *Pharmaceutical Research*, 29(5): 1319-1327. Tersedia di <http://link.springer.com/10.1007/s11095-012-0710-z>.
- Aslibeiki, B., Eskandarzadeh, N., Jalili, H., Ghotbi Varzaneh, A., Kameli, P., Orue, I., Chernenko, V., Hajalilou, A., Ferreira, L.P. & Cruz, M.M. 2022. Magnetic hyperthermia properties of CoFe₂O₄ nanoparticles: Effect of polymer coating and interparticle interactions. *Ceramics International*, 48(19): 27995-28005. Tersedia di <https://linkinghub.elsevier.com/retrieve/pii/S0272884222021046>.
- Banifatemi, S.S., Davar, F., Aghabarari, B., Segura, J.A., Alonso, F.J. & Ghoreishi, S.M. 2021. Green synthesis of CoFe₂O₄ nanoparticles using olive leaf extract and characterization of their magnetic properties. *Ceramics International*, 47(13): 19198-19204.
- Berneth, H. 2008. Azine Dyes. *Ullmann's Encyclopedia of Industrial Chemistry*. Wiley, hal.1-10. Tersedia di <https://onlinelibrary.wiley.com/doi/10.1002/0471238961.0126091419130920.a01.pub2>.
- Bikerchalen, S., Akhsassi, B., Bakiz, B., Villain, S., Taoufyq, A., Guinneton, F., Gavarrri, J.-R. & Benlhachemi, A. 2025. Photocatalytic degradation of Rhodamine B dye over oxygen-rich bismuth oxychloride Bi₂₄O₃₁Cl₁₀ photocatalyst under UV and Visible light irradiation: Pathways and mechanism. *Journal of Physics and Chemistry of Solids*, 196(September 2024): 112342. Tersedia di <https://doi.org/10.1016/j.jpcs.2024.112342>.
- Cao, G. 2004. *Nanostructures and Nanomaterials*. London: PUBLISHED BY IMPERIAL COLLEGE PRESS AND DISTRIBUTED BY WORLD SCIENTIFIC PUBLISHING CO. Tersedia di <https://www.worldscientific.com/worldscibooks/10.1142/p305>.
- Chang, C.-J., Lee, Z., Chu, K.-W. & Wei, Y.-H. 2016. CoFe₂O₄@ZnS core-shell spheres as magnetically recyclable photocatalysts for hydrogen production. *Journal of the Taiwan Institute of Chemical Engineers*, 66: 386-393. Tersedia di <http://dx.doi.org/10.1016/j.jtice.2016.06.033>.
- Chen, D., Huang, F., Ren, G., Li, D., Zheng, M., Wang, Y. & Lin, Z. 2010. ZnS nano-architectures: photocatalysis, deactivation and regeneration. *Nanoscale*,

- 2(10): 2062. Tersedia di <https://xlink.rsc.org/?DOI=c0nr00171f>.
- Chib, A., Bhat, A., Bandral, J.D. & Trilokia, M. 2022. Effect of thermal processing on nutritional and Anti nutritional factors of amaranthus (*Amaranthus viridis* Linn.) Leaves. *Pharma Innov. J*, 11(4): 385–389. Tersedia di <https://www.thepharmajournal.com/archives/2022/vol11issue4/PartF/11-3-420-635.pdf>.
- Chokkareddy, R. & Redhi, G.G. 2018. Green Synthesis of Metal Nanoparticles and its Reaction Mechanisms. *Green Metal Nanoparticles*. Wiley, hal.113–139. Tersedia di <https://onlinelibrary.wiley.com/doi/10.1002/9781119418900.ch4>.
- Cruz, M.M., Ferreira, L.P., Alves, A.F., Mendo, S.G., Ferreira, P., Godinho, M. & Carvalho, M.D. 2017. Nanoparticles for magnetic hyperthermia. *Nanostructures for Cancer Therapy*. Elsevier, hal.485–511. Tersedia di <https://linkinghub.elsevier.com/retrieve/pii/B9780323461443000192>.
- Cuana, R., Panre, A.M., Istiqomah, N.I., Tumbelaka, R.M., Sunaryono, Wicaksono, S.T. & Suharyadi, E. 2022. Green Synthesis of Fe₃O₄/Chitosan Nanoparticles Utilizing Moringa Oleifera Extracts and Their Surface Plasmon Resonance Properties. *ECS Journal of Solid State Science and Technology*, 11(8): 083015. Tersedia di <https://iopscience.iop.org/article/10.1149/2162-8777/ac8b36>.
- Cui, D., Han, Y., Li, Z., Song, H., Wang, K., He, R., Liu, B., Liu, H., Bao, C., Huang, P., Ruan, J., Gao, F., Yang, H., Cho, H.S., Ren, Q. & Shi, D. 2009. Fluorescent Magnetic Nanoprobes for in vivo Targeted Imaging and Hyperthermia Therapy of Prostate Cancer. *Nano Biomedicine and Engineering*, 1(1): 61–74. Tersedia di <http://nanobe.org/Data/View/99?type=100>.
- Das, P., Colombo, M. & Prospero, D. 2019. Recent advances in magnetic fluid hyperthermia for cancer therapy. *Colloids and Surfaces B: Biointerfaces*, 174: 42–55. Tersedia di <https://linkinghub.elsevier.com/retrieve/pii/S0927776518307495>.
- Deatsch, A.E. & Evans, E.E. 2014. Heating efficiency in magnetic nanoparticle hyperthermia. *Journal of Magnetism and Magnetic Materials*, 354: 163–172. Tersedia di <https://linkinghub.elsevier.com/retrieve/pii/S0304885313007981>.
- Demirci Dönmez, Ç.E., Manna, P.K., Nickel, R., Aktürk, S. & van Lierop, J. 2019. Comparative Heating Efficiency of Cobalt-, Manganese-, and Nickel-Ferrite Nanoparticles for a Hyperthermia Agent in Biomedicines. *ACS Applied Materials & Interfaces*, 11(7): 6858–6866. Tersedia di <https://pubs.acs.org/doi/10.1021/acsami.8b22600>.
- Divband, B., Gharehaghaji, N. & Hassani, S. 2022. Fe₃O₄/Graphene-Based Nanotheranostics for Bimodal Magnetic Resonance/Fluorescence Imaging and Cancer Therapy. *Journal of Inorganic and Organometallic Polymers and Materials*, 32(12): 4443–4460. Tersedia di <https://doi.org/10.1007/s10904-022-02457-z>.
- Dutz, S. & Hergt, R. 2013. Magnetic nanoparticle heating and heat transfer on a microscale: Basic principles, realities and physical limitations of hyperthermia for tumour therapy. *International Journal of Hyperthermia*, 29(8): 790–800. Tersedia di <https://www.tandfonline.com/doi/full/10.3109/02656736.2013.822993>.

- Elbeshir, E.I.A. 2018. Magnetic and thermal properties of CoFe₂O₄ nanoparticles for magnetic hyperthermia treatment. *International Journal of ADVANCED AND APPLIED SCIENCES*, 5(8): 34–36. Tersedia di <http://www.sciencegate.com/IJAAS/2018/V5I8/Elbeshir.html>.
- Etemadi, H. & Plieger, P.G. 2020. Magnetic Fluid Hyperthermia Based on Magnetic Nanoparticles: Physical Characteristics, Historical Perspective, Clinical Trials, Technological Challenges, and Recent Advances. *Advanced Therapeutics*, 3(11). Tersedia di <https://onlinelibrary.wiley.com/doi/10.1002/adtp.202000061>.
- Farhadi, S., Siadatnasab, F. & Khataee, A. 2017. Ultrasound-assisted degradation of organic dyes over magnetic CoFe₂O₄@ZnS core-shell nanocomposite. *Ultrasonics Sonochemistry*, 37: 298–309. Tersedia di <https://linkinghub.elsevier.com/retrieve/pii/S1350417717300299>.
- Fatimah, I., Sugiharto, E., Wijaya, K., Tahir, I. & Kamalia, K. 2010. TITANIUM OXIDE DISPERSED ON NATURAL ZEOLITE (TiO₂/ZEOLITE) AND ITS APPLICATION FOR CONGO RED PHOTODEGRADATION. *Indonesian Journal of Chemistry*, 6(1): 38–42. Tersedia di <http://10.13.241.244/index.php/ijc/article/view/21770>.
- Ferdosi, E., Bahiraei, H. & Ghanbari, D. 2019. Investigation the photocatalytic activity of CoFe₂O₄/ZnO and CoFe₂O₄/ZnO/Ag nanocomposites for purification of dye pollutants. *Separation and Purification Technology*, 211: 35–39. Tersedia di <https://linkinghub.elsevier.com/retrieve/pii/S1383586618312930>.
- Fu, Y., Chen, H., Sun, X. & Wang, X. 2012. Combination of cobalt ferrite and graphene: High-performance and recyclable visible-light photocatalysis. *Applied Catalysis B: Environmental*, 111–112: 280–287. Tersedia di <http://dx.doi.org/10.1016/j.apcatb.2011.10.009>.
- Gałuszka, A., Migaszewski, Z. & Namieśnik, J. 2013. The 12 principles of green analytical chemistry and the SIGNIFICANCE mnemonic of green analytical practices. *TrAC Trends in Analytical Chemistry*, 50: 78–84. Tersedia di <https://linkinghub.elsevier.com/retrieve/pii/S0165993613001234>.
- Getzlaff, M. 2017. Magnetism in Reduced Dimensions – Single Thin Films. *Fundamentals of Magnetism*. Berlin, Heidelberg: Springer Berlin Heidelberg, hal.223–238. Tersedia di http://link.springer.com/10.1007/978-3-540-31152-2_14.
- Gharaghani, M.A., Dehdarirad, A., Mahdizadeh, H., Hashemi, H., Nasiri, A., Samaei, M.R. & Mohammadpour, A. 2024. Photocatalytic degradation of Acid Red 18 by synthesized AgCoFe₂O₄@Ch/AC: Recyclable, environmentally friendly, chemically stable, and cost-effective magnetic nano hybrid catalyst. *International Journal of Biological Macromolecules*, 269(P1): 131897. Tersedia di <https://doi.org/10.1016/j.ijbiomac.2024.131897>.
- Gholampour, A., Valizadeh Kiamahalleh, M., Tran, D.N.H., Ozbakkaloglu, T. & Losic, D. 2017. From Graphene Oxide to Reduced Graphene Oxide: Impact on the Physiochemical and Mechanical Properties of Graphene–Cement Composites. *ACS Applied Materials & Interfaces*, 9(49): 43275–43286. Tersedia di <https://pubs.acs.org/doi/10.1021/acsami.7b16736>.

- Guex, L.G., Sacchi, B., Peuvot, K.F., Andersson, R.L., Pourrahimi, A.M., Ström, V., Farris, S. & Olsson, R.T. 2017. Experimental review: chemical reduction of graphene oxide (GO) to reduced graphene oxide (rGO) by aqueous chemistry. *Nanoscale*, 9(27): 9562–9571. Tersedia di <https://xlink.rsc.org/?DOI=C7NR02943H>.
- Gupta, J., Prakash, A., Jaiswal, M.K., Agarrwal, A. & Bahadur, D. 2018. Superparamagnetic iron oxide-reduced graphene oxide nanohybrid-a vehicle for targeted drug delivery and hyperthermia treatment of cancer. *Journal of Magnetism and Magnetic Materials*, 448: 332–338. Tersedia di <https://doi.org/10.1016/j.jmmm.2017.05.084>.
- Haque, M.J., Bellah, M.M., Hassan, M.R. & Rahman, S. 2020. Synthesis of ZnO nanoparticles by two different methods & comparison of their structural, antibacterial, photocatalytic and optical properties. *Nano Express*, 1(1): 010007. Tersedia di <https://iopscience.iop.org/article/10.1088/2632-959X/ab7a43>.
- Hasija, V., Kumar, A., Sudhaik, A., Raizada, P., Singh, P., Van Le, Q., Le, T.T. & Nguyen, V.-H. 2021. Step-scheme heterojunction photocatalysts for solar energy, water splitting, CO₂ conversion, and bacterial inactivation: a review. *Environmental Chemistry Letters*, 19(4): 2941–2966. Tersedia di <https://doi.org/10.1007/s10311-021-01231-w>.
- He, G., Ding, J., Zhang, J., Hao, Q. & Chen, H. 2015. One-Step Ball-Milling Preparation of Highly Photocatalytic Active CoFe₂O₄-Reduced Graphene Oxide Heterojunctions For Organic Dye Removal. *Industrial & Engineering Chemistry Research*, 54(11): 2862–2867. Tersedia di <https://pubs.acs.org/doi/10.1021/ie504706w>.
- Hermosa, G.C., Liao, C.-S., Wu, H.-S., Wang, S.-F., Liu, T.-Y., Jeng, K.-S., Lin, S.-S., Chang, C.-F. & Sun, A.-C.A. 2022. Green Synthesis of Magnetic Ferrites (Fe₃O₄, CoFe₂O₄, and NiFe₂O₄) Stabilized by Aloe Vera Extract for Cancer Hyperthermia Activities. *IEEE Transactions on Magnetics*, 58(8): 1–7. Tersedia di <https://ieeexplore.ieee.org/document/9733000/>.
- Hervault, A. & Thanh, N.T.K. 2014. Magnetic nanoparticle-based therapeutic agents for thermo-chemotherapy treatment of cancer. *Nanoscale*, 6(20): 11553–11573. Tersedia di <https://xlink.rsc.org/?DOI=C4NR03482A>.
- Huo, F., Wang, Y., You, C., Deng, W., Yang, F. & Pu, Y. 2017. Phase- and size-controllable synthesis with efficient photocatalytic activity of ZnS nanoparticles. *Journal of Materials Science*, 52(10): 5626–5633. Tersedia di <http://link.springer.com/10.1007/s10853-017-0797-z>.
- Hussain, I., Singh, N.B., Singh, A., Singh, H. & Singh, S.C. 2016. Green synthesis of nanoparticles and its potential application. *Biotechnology Letters*, 38(4): 545–560. Tersedia di <http://link.springer.com/10.1007/s10529-015-2026-7>.
- Illés, E., Tombácz, E., Hegedűs, Z. & Szabó, T. 2020. Tunable Magnetic Hyperthermia Properties of Pristine and Mildly Reduced Graphene Oxide/Magnetite Nanocomposite Dispersions. *Nanomaterials*, 10(12): 2426. Tersedia di <https://www.mdpi.com/2079-4991/10/12/2426>.
- Imboon, T., Khumphon, J., Yotkuna, K., Tang, I.-M. & Thongmee, S. 2021. Enhancement of photocatalytic by Mn₃O₄ spinel ferrite decorated graphene

- oxide nanocomposites. *SN Applied Sciences*, 3(6): 653. Tersedia di <https://doi.org/10.1007/s42452-021-04644-y>.
- Iqbal, Z., Tanweer, M.S. & Alam, M. 2023. Reduced Graphene Oxide-Modified Spinel Cobalt Ferrite Nanocomposite: Synthesis, Characterization, and Its Superior Adsorption Performance for Dyes and Heavy Metals. *ACS Omega*, 8(7): 6376–6390. Tersedia di <https://pubs.acs.org/doi/10.1021/acsomega.2c06636>.
- Ismael, M. 2021. Ferrites as solar photocatalytic materials and their activities in solar energy conversion and environmental protection: A review. *Solar Energy Materials and Solar Cells*, 219(February 2020): 110786. Tersedia di <https://doi.org/10.1016/j.solmat.2020.110786>.
- Jacinto, M.J., Ferreira, L.F. & Silva, V.C. 2020. Magnetic materials for photocatalytic applications—a review. *Journal of Sol-Gel Science and Technology*, 96(1): 1–14. Tersedia di <http://dx.doi.org/10.1007/s10971-020-05333-9>.
- Jadoun, S., Arif, R., Jangid, N.K. & Meena, R.K. 2021. Green synthesis of nanoparticles using plant extracts: a review. *Environmental Chemistry Letters*, 19(1): 355–374. Tersedia di <https://doi.org/10.1007/s10311-020-01074-x>.
- Jayanti, P.D., Zurnansyah, Kusumah, H.P., Mahardhika, L.J., Riswan, M., Wahyuni, S., Adrianto, N., Cuana, R., Istiqomah, N.I., Ali, H., Ali, D., Chotimah & Suharyadi, E. 2024. Localized surface plasmon resonance properties of green synthesized Ag/rGO composite nanoparticles utilizing *Amaranthus viridis* extract for biosensor applications. *Journal of Science: Advanced Materials and Devices*, 9(3): 100747. Tersedia di <https://doi.org/10.1016/j.jsamd.2024.100747>.
- Jiménez-Aguilar, D.M. & Grusak, M.A. 2017. Minerals, vitamin C, phenolics, flavonoids and antioxidant activity of *Amaranthus* leafy vegetables. *Journal of Food Composition and Analysis*, 58: 33–39. Tersedia di <http://dx.doi.org/10.1016/j.jfca.2017.01.005>.
- Johannsen, M., Gneveckow, U., Taymoorian, K., Thiesen, B., Waldöfner, N., Scholz, R., Jung, K., Jordan, A., Wust, P. & Loening, S.A. 2007a. Morbidity and quality of life during thermotherapy using magnetic nanoparticles in locally recurrent prostate cancer: Results of a prospective phase I trial. *International Journal of Hyperthermia*, 23(3): 315–323. Tersedia di <http://www.tandfonline.com/doi/full/10.1080/02656730601175479>.
- Johannsen, M., Gneveckow, U., Thiesen, B., Taymoorian, K., Cho, C.H., Waldöfner, N., Scholz, R., Jordan, A., Loening, S.A. & Wust, P. 2007b. Thermotherapy of Prostate Cancer Using Magnetic Nanoparticles: Feasibility, Imaging, and Three-Dimensional Temperature Distribution. *European Urology*, 52(6): 1653–1662. Tersedia di <https://linkinghub.elsevier.com/retrieve/pii/S0302283806014035>.
- Johannsen, M., Thiesen, B., Wust, P. & Jordan, A. 2010. Magnetic nanoparticle hyperthermia for prostate cancer. *International Journal of Hyperthermia*, 26(8): 790–795. Tersedia di <https://www.tandfonline.com/doi/full/10.3109/02656731003745740>.
- Jubu, P.R., Danladi, E., Ndeze, U.I., Adedokun, O., Landi, S., Haider, A.J.,

- Adepoju, A.T., Yusof, Y., Obaseki, O.S. & Yam, F.K. 2024. Comment about the use of unconventional Tauc plots for bandgap energy determination of semiconductors using UV–Vis spectroscopy. *Results in Optics*, 14(September 2023): 100606. Tersedia di <https://doi.org/10.1016/j.rio.2024.100606>.
- Juwita, E., Sulistiani, F.A., Darmawan, M.Y., Istiqomah, N.I. & Suharyadi, E. 2022. Microstructural, optical, and magnetic properties and specific absorption rate of bismuth ferrite/SiO₂ nanoparticles. *Materials Research Express*, 9(7): 076101. Tersedia di <https://iopscience.iop.org/article/10.1088/2053-1591/ac804e>.
- Kahsay, M.H., Belachew, N., Tadesse, A. & Basavaiah, K. 2020. Magnetite nanoparticle decorated reduced graphene oxide for adsorptive removal of crystal violet and antifungal activities. *RSC Advances*, 10(57): 34916–34927. Tersedia di <https://xlink.rsc.org/?DOI=D0RA07061K>.
- Kalam, A., Al-Sehemi, A.G., Assiri, M., Du, G., Ahmad, T., Ahmad, I. & Pannipara, M. 2018. Modified solvothermal synthesis of cobalt ferrite (CoFe₂O₄) magnetic nanoparticles photocatalysts for degradation of methylene blue with H₂O₂/visible light. *Results in Physics*, 8: 1046–1053. Tersedia di <https://doi.org/10.1016/j.rinp.2018.01.045>.
- Kalita, C., Boruah, P.K., Das, M.R. & Saikia, P. 2022. Facile green synthesis of nickel-ferrite-rGO (NiFe₂O₄/rGO) nanocomposites for efficient water purification under direct sunlight. *Inorganic Chemistry Communications*, 146(June): 110073. Tersedia di <https://doi.org/10.1016/j.inoche.2022.110073>.
- Kalubowilage, M., Janik, K. & Bossmann, S.H. 2019. Magnetic Nanomaterials for Magnetically-Aided Drug Delivery and Hyperthermia. *Applied Sciences*, 9(14): 2927. Tersedia di <https://www.mdpi.com/2076-3417/9/14/2927>.
- Kamble, R.B., Varade, V., Ramesh, K.P. & Prasad, V. 2015. Domain size correlated magnetic properties and electrical impedance of size dependent nickel ferrite nanoparticles. *AIP Advances*, 5(1). Tersedia di <http://dx.doi.org/10.1063/1.4906101>.
- Kaur, N., Kaur, S., Singh, J. & Rawat, M. 2016. A Review on Zinc Sulphide Nanoparticles: From Synthesis, Properties to Applications. *Journal of Bioelectronics and Nanotechnology*, 1(1). Tersedia di <http://www.avensonline.org/fulltextarticles/JBN-2475-224X-01-0006.html>.
- Kazemi, M., Ghobadi, M. & Mirzaie, A. 2018. Cobalt ferrite nanoparticles (CoFe₂O₄ MNPs) as catalyst and support: magnetically recoverable nanocatalysts in organic synthesis. *Nanotechnology Reviews*, 7(1): 43–68. Tersedia di <https://www.degruyter.com/document/doi/10.1515/ntrev-2017-0138/html>.
- Khan, I., Saeed, K., Zekker, I., Zhang, B., Hendi, A.H., Ahmad, A., Ahmad, S., Zada, N., Ahmad, H., Shah, L.A., Shah, T. & Khan, I. 2022. Review on Methylene Blue: Its Properties, Uses, Toxicity and Photodegradation. *Water*, 14(2): 242. Tersedia di <https://www.mdpi.com/2073-4441/14/2/242>.
- Khan, M.A.M., Khan, W., Ahamed, M. & Alhazaa, A.N. 2019. Investigation on the structure and physical properties of Fe₃O₄/RGO nanocomposites and their photocatalytic application. *Materials Science in Semiconductor Processing*, 99(September 2018): 44–53. Tersedia di

- <https://doi.org/10.1016/j.mssp.2019.04.005>.
- Khurshid, F., Jeyavelan, M. & Nagarajan, S. 2021. Photocatalytic dye degradation by graphene oxide doped transition metal catalysts. *Synthetic Metals*, 278(April): 116832. Tersedia di <https://doi.org/10.1016/j.synthmet.2021.116832>.
- Kianfar, A.H. & Fattahi, S. 2022. Synthesis and characterization of magnetically recoverable CoFe₂O₄/ZnS/CuO nanoparticles as an effective photocatalyst and catalyst for degradation of MB and reduction of 4-nitrophenol. *Applied Physics A*, 128(9): 747. Tersedia di <https://doi.org/10.1007/s00339-022-05875-5>.
- Kim, D.-H., Nikles, D.E., Johnson, D.T. & Brazel, C.S. 2008. Heat generation of aqueously dispersed CoFe₂O₄ nanoparticles as heating agents for magnetically activated drug delivery and hyperthermia. *Journal of Magnetism and Magnetic Materials*, 320(19): 2390–2396. Tersedia di <https://linkinghub.elsevier.com/retrieve/pii/S0304885308006288>.
- Kotutha, I., Duangchuen, T., Swatsitang, E., Meewasana, W., Khajonrit, J. & Maensiri, S. 2019. Electrochemical properties of rGO/CoFe₂O₄ nanocomposites for energy storage application. *Ionics*, 25(11): 5401–5409. Tersedia di <http://link.springer.com/10.1007/s11581-019-03114-1>.
- Kumar, A., Thorbole, A. & Gupta, R.K. 2025. Sustaining the future: Semiconductor materials and their recovery. *Materials Science in Semiconductor Processing*, 185(September 2024): 108943. Tersedia di <https://linkinghub.elsevier.com/retrieve/pii/S1369800124008394>.
- Kumar, C.S.S.R. & Mohammad, F. 2011. Magnetic nanomaterials for hyperthermia-based therapy and controlled drug delivery. *Advanced Drug Delivery Reviews*, 63(9): 789–808. Tersedia di <http://dx.doi.org/10.1016/j.addr.2011.03.008>.
- Kumar, L., Kumar, P. & Kar, M. 2013. Cation distribution by Rietveld technique and magnetocrystalline anisotropy of Zn substituted nanocrystalline cobalt ferrite. *Journal of Alloys and Compounds*, 551: 72–81. Tersedia di <http://dx.doi.org/10.1016/j.jallcom.2012.10.009>.
- Kushwaha, P. & Chauhan, P. 2023. Facile green synthesis of CoFe₂O₄ nanoparticles using hibiscus extract and their application in humidity sensing properties. *Inorganic and Nano-Metal Chemistry*, 53(7): 664–671. Tersedia di <https://www.tandfonline.com/doi/full/10.1080/24701556.2021.1992432>.
- Lalitha Devi, B., Mohan Rao, K. & Ramananda, D. 2022. Effect of silver doping on structural and optical properties of starch capped ZnS nanoparticles synthesized by microwave irradiation. *Materials Today: Proceedings*, 55: 179–185. Tersedia di <https://linkinghub.elsevier.com/retrieve/pii/S2214785322005910>.
- Lam, S., Wong, S., Sin, J., Zeng, H., Li, H., Huang, L., Lin, H., Mohamed, A.R., Lim, J.-W. & Qin, Z. 2024. Bi-functional NiFe₂O₄/SrTiO₃ S-scheme heterojunction for eminent performance photocatalytic treatment of sewage effluent and electrochemical hydrazine determination. *Environmental Research*, 261(August): 119718. Tersedia di <https://linkinghub.elsevier.com/retrieve/pii/S0013935124016232>.

- Laurent, S., Dutz, S., Häfeli, U.O. & Mahmoudi, M. 2011. Magnetic fluid hyperthermia: Focus on superparamagnetic iron oxide nanoparticles. *Advances in Colloid and Interface Science*, 166(1–2): 8–23. Tersedia di <http://dx.doi.org/10.1016/j.cis.2011.04.003>.
- Lavorato, G., Lima, E., Vasquez Mansilla, M., Troiani, H., Zysler, R. & Winkler, E. 2018. Bifunctional CoFe₂O₄/ZnO Core/Shell Nanoparticles for Magnetic Fluid Hyperthermia with Controlled Optical Response. *The Journal of Physical Chemistry C*, 122(5): 3047–3057. Tersedia di <https://pubs.acs.org/doi/10.1021/acs.jpcc.7b11115>.
- Lee, B.S., Lee, Y., Hwang, J.Y. & Choi, Y.C. 2015. Structural properties of reduced graphene oxides prepared using various reducing agents. *Carbon letters*, 16(4): 255–259. Tersedia di <http://koreascience.or.kr/journal/view.jsp?kj=HGTSB6&py=2015&vnc=v16n4&sp=255>.
- Lestari, I., Kurniawan, E., Gusti, D.R. & Yusneli 2020. Magnetite Fe₃O₄-activated carbon composite as adsorbent of rhodamine B dye. *IOP Conference Series: Earth and Environmental Science*, 483(1): 012046. Tersedia di <https://iopscience.iop.org/article/10.1088/1755-1315/483/1/012046>.
- Li, S. & Ma, Q. 2022. Electrochemical nano-sensing interface for exosomes analysis and cancer diagnosis. *Biosensors and Bioelectronics*, 214(April): 114554. Tersedia di <https://doi.org/10.1016/j.bios.2022.114554>.
- Liqiang, J., Yichun, Q., Baiqi, W. & Shudan, L. 2006. Review of photoluminescence performance of nano-sized semiconductor materials and its relationships with photocatalytic activity. 90: 1773–1787.
- Liu, X., Qin, Y., Yan, Y. & Lv, P. 2017. The fabrication of CdS/CoFe₂O₄/rGO photocatalysts to improve the photocatalytic degradation performance under visible light. *RSC Advances*, 7(64): 40673–40681. Tersedia di <http://dx.doi.org/10.1039/C7RA07202C>.
- Mahdikhah, V., Saadatkia, S., Sheibani, S. & Ataie, A. 2020. Outstanding photocatalytic activity of CoFe₂O₄/rGO nanocomposite in degradation of organic dyes. *Optical Materials*, 108(May): 110193. Tersedia di <https://doi.org/10.1016/j.optmat.2020.110193>.
- Maier-Hauff, K., Ulrich, F., Nestler, D., Niehoff, H., Wust, P., Thiesen, B., Orawa, H., Budach, V. & Jordan, A. 2011. Efficacy and safety of intratumoral thermotherapy using magnetic iron-oxide nanoparticles combined with external beam radiotherapy on patients with recurrent glioblastoma multiforme. *Journal of Neuro-Oncology*, 103(2): 317–324. Tersedia di <http://link.springer.com/10.1007/s11060-010-0389-0>.
- Makula, P., Pacia, M. & Macyk, W. 2018. How To Correctly Determine the Band Gap Energy of Modified Semiconductor Photocatalysts Based on UV–Vis Spectra. *The Journal of Physical Chemistry Letters*, 9(23): 6814–6817. Tersedia di <https://pubs.acs.org/doi/10.1021/acs.jpcclett.8b02892>.
- Mandal, B., Panda, J., Paul, P.K., Sarkar, R. & Tudu, B. 2020. MnFe₂O₄ decorated reduced graphene oxide heterostructures: Nanophotocatalyst for methylene blue dye degradation. *Vacuum*, 173(December 2019): 109150. Tersedia di <https://doi.org/10.1016/j.vacuum.2019.109150>.

- Manohar, A., Chintagumpala, K. & Kim, K.H. 2021. Magnetic hyperthermia and photocatalytic degradation of rhodamine B dye using Zn-doped spinel Fe₃O₄ nanoparticles. *Journal of Materials Science: Materials in Electronics*, 32(7): 8778–8787. Tersedia di <https://link.springer.com/10.1007/s10854-021-05549-7>.
- Manohar, A. & Krishnamoorthi, C. 2017. Magnetic and photocatalytic studies on Zn_{1-x}Mg_xFe₂O₄ nanocolloids synthesized by solvothermal reflux method. *Journal of Photochemistry and Photobiology B: Biology*, 177(September): 95–104. Tersedia di <https://linkinghub.elsevier.com/retrieve/pii/S1011134417305754>.
- Manohar, A., Krishnamoorthi, C., Naidu, K.C.B. & Narasaiah, B.P. 2020. Dielectric, Magnetic Hyperthermia and Photocatalytic Properties of Mg.Zn.FeO Nanocrystals. *IEEE Transactions on Magnetics*, 56(12): 2–8.
- Manohar, A., Vijayakanth, V., Prabhakar Vattikuti, S.V. & Kim, K.H. 2023. Electrochemical energy storage and photoelectrochemical performance of Ni_{1-x}Zn_xFe₂O₄ nanoparticles. *Materials Science in Semiconductor Processing*, 157(December 2022): 107338. Tersedia di <https://doi.org/10.1016/j.mssp.2023.107338>.
- Manousi, N., Rosenberg, E., Deliyanni, E., Zachariadis, G.A. & Samanidou, V. 2020. Magnetic Solid-Phase Extraction of Organic Compounds Based on Graphene Oxide Nanocomposites. *Molecules*, 25(5): 1148. Tersedia di <https://www.mdpi.com/1420-3049/25/5/1148>.
- Matinise, N., Fuku, X.G., Kaviyarasu, K., Mayedwa, N. & Maaza, M. 2017. ZnO nanoparticles via Moringa oleifera green synthesis: Physical properties & mechanism of formation. *Applied Surface Science*, 406: 339–347. Tersedia di <https://linkinghub.elsevier.com/retrieve/pii/S0169433217302428>.
- Mazarji, M., Esmaili, H., Bidhendi, G.N., Mahmoodi, N.M., Minkina, T., Sushkova, S., Mandzhieva, S., Barakhov, A., Moghtaderi, H. & Bhatnagar, A. 2021. Green synthesis of reduced graphene oxide-CoFe₂O₄ nanocomposite as a highly efficient visible-light-driven catalyst in photocatalysis and photo Fenton-like reaction. *Materials Science and Engineering: B*, 270(November 2020): 115223. Tersedia di <https://doi.org/10.1016/j.mseb.2021.115223>.
- Mercier, J.P., Zambelli, G. & Kurz, W. 2002. Alloys and phase diagrams. *Introduction to Materials Science*. Elsevier, hal.175–208. Tersedia di <https://linkinghub.elsevier.com/retrieve/pii/B9782842992866500147>.
- Mmelesi, O.K., Masunga, N., Kuvarega, A., Nkambule, T.T., Mamba, B.B. & Kefeni, K.K. 2021. Cobalt ferrite nanoparticles and nanocomposites: Photocatalytic, antimicrobial activity and toxicity in water treatment. *Materials Science in Semiconductor Processing*, 123(April 2020): 105523. Tersedia di <https://doi.org/10.1016/j.mssp.2020.105523>.
- Mondal, A., Prabhakaran, A., Gupta, S. & Subramanian, V.R. 2021a. Boosting Photocatalytic Activity Using Reduced Graphene Oxide (RGO)/Semiconductor Nanocomposites: Issues and Future Scope. *ACS Omega*, 6(13): 8734–8743. Tersedia di <https://pubs.acs.org/doi/10.1021/acsomega.0c06045>.
- Mondal, D.K., Borgohain, C., Paul, N. & Borah, J.P. 2019a. Improved heating

- efficiency of bifunctional MnFe₂O₄/ZnS nanocomposite for magnetic hyperthermia application. *Physica B: Condensed Matter*, 567(November 2018): 122–128. Tersedia di <https://doi.org/10.1016/j.physb.2018.11.068>.
- Mondal, D.K., Borgohain, C., Paul, N. & Borah, J.P. 2019b. Improved heating efficiency of bifunctional MnFe₂O₄/ZnS nanocomposite for magnetic hyperthermia application. *Physica B: Condensed Matter*, 567: 122–128. Tersedia di <https://linkinghub.elsevier.com/retrieve/pii/S0921452618307865>.
- Mondal, D.K., Borgohain, C., Paul, N. & Borah, J.P. 2019c. Tuning hyperthermia efficiency of MnFe₂O₄/ZnS nanocomposites by controlled ZnS concentration. *Journal of Materials Research and Technology*, 8(6): 5659–5670. Tersedia di <https://linkinghub.elsevier.com/retrieve/pii/S2238785419310579>.
- Mondal, D.K., Jonak, S., Paul, N. & Borah, J.P. 2021b. Dextran mediated MnFe₂O₄/ZnS magnetic fluorescence nanocomposites for controlled self-heating properties. *RSC Advances*, 11(21): 12507–12519. Tersedia di <https://xlink.rsc.org/?DOI=D0RA09745D>.
- Mondal, D.K., Phukan, G., Paul, N. & Borah, J.P. 2021c. Improved self heating and optical properties of bifunctional Fe₃O₄/ZnS nanocomposites for magnetic hyperthermia application. *Journal of Magnetism and Magnetic Materials*, 528: 167809. Tersedia di <https://linkinghub.elsevier.com/retrieve/pii/S0304885321000858>.
- Moodley, J.S., Krishna, S.B.N., Pillay, K., Sershen & Govender, P. 2018. Green synthesis of silver nanoparticles from Moringa oleifera leaf extracts and its antimicrobial potential. *Advances in Natural Sciences: Nanoscience and Nanotechnology*, 9(1): 015011. Tersedia di <https://iopscience.iop.org/article/10.1088/2043-6254/aaabb2>.
- Muhammad, A., Sato-Turtelli, R., Kriegisch, M., Grössinger, R., Kubel, F. & Konegger, T. 2012. Large enhancement of magnetostriction due to compaction hydrostatic pressure and magnetic annealing in CoFe₂O₄. *Journal of Applied Physics*, 111(1): 0–5. Tersedia di <https://pubs.aip.org/jap/article/111/1/013918/926837/Large-enhancement-of-magnetostriction-due-to>.
- Munyai, S., Mahlaule-Glory, L.M. & Hintsho-Mbita, N.C. 2022. Green synthesis of Zinc sulphide (ZnS) nanostructures using *S. frutescences* plant extract for photocatalytic degradation of dyes and antibiotics. *Materials Research Express*, 9(1): 015001. Tersedia di <https://iopscience.iop.org/article/10.1088/2053-1591/ac4409>.
- Oladoye, P.O., Ajiboye, T.O., Omotola, E.O. & Oyewola, O.J. 2022. Methylene blue dye: Toxicity and potential elimination technology from wastewater. *Results in Engineering*, 16(August): 100678. Tersedia di <https://doi.org/10.1016/j.rineng.2022.100678>.
- de Oliveira, M.L., Rodrigues, L.M., Silva da Veiga, M.A.M. & Souza, L.R.R. 2024. Advancing nanomaterial synthesis: Harnessing green chemistry for sustainable innovation. *Green Analytical Chemistry*, 11(August): 100148. Tersedia di <https://linkinghub.elsevier.com/retrieve/pii/S2772577424000570>.
- Omanović-Mikličanin, E., Badnjević, A., Kazlagić, A. & Hajlovac, M. 2020. Nanocomposites: a brief review. *Health and Technology*, 10(1): 51–59.

- Tersedia di <http://link.springer.com/10.1007/s12553-019-00380-x>.
- Palanisamy, G., Bhuvaneswari, K., Bharathi, G., Pazhanivel, T., Grace, A.N. & Pasha, S.K.K. 2021. Construction of magnetically recoverable ZnS–WO₃–CoFe₂O₄ nanohybrid enriched photocatalyst for the degradation of MB dye under visible light irradiation. *Chemosphere*, 273: 129687. Tersedia di <https://doi.org/10.1016/j.chemosphere.2021.129687>.
- Palanisamy, G., Bhuvaneswari, K., Chinnadurai, A., Bharathi, G. & Pazhanivel, T. 2020. Magnetically recoverable multifunctional ZnS/Ag/CoFe₂O₄ nanocomposite for sunlight driven photocatalytic dye degradation and bactericidal application. *Journal of Physics and Chemistry of Solids*, 138(October 2019): 109231. Tersedia di <https://doi.org/10.1016/j.jpics.2019.109231>.
- Parthipan, P., Al-Dosary, M.A., Al-Ghamdi, A.A. & Subramania, A. 2021. Eco-friendly synthesis of reduced graphene oxide as sustainable photocatalyst for removal of hazardous organic dyes. *Journal of King Saud University - Science*, 33(4): 101438. Tersedia di <https://doi.org/10.1016/j.jksus.2021.101438>.
- Phong, P.T., Phuc, N.X., Nam, P.H., Chien, N.V., Dung, D.D. & Linh, P.H. 2018. Size-controlled heating ability of CoFe₂O₄ nanoparticles for hyperthermia applications. *Physica B: Condensed Matter*, 531: 30–34. Tersedia di <https://linkinghub.elsevier.com/retrieve/pii/S092145261730995X>.
- Polte, J. 2015. Fundamental growth principles of colloidal metal nanoparticles – a new perspective. *CrystEngComm*, 17(36): 6809–6830. Tersedia di <https://xlink.rsc.org/?DOI=C5CE01014D>.
- La Porta, F.A., Ferrer, M.M., De Santana, Y.V.B., Raubach, C.W., Longo, V.M., Sambrano, J.R., Longo, E., Andrés, J., Li, M.S. & Varela, J.A. 2013. Synthesis of wurtzite ZnS nanoparticles using the microwave assisted solvothermal method. *Journal of Alloys and Compounds*, 556: 153–159. Tersedia di <http://dx.doi.org/10.1016/j.jallcom.2012.12.081>.
- Puspitarum, D.L., Istiqomah, N.I., Larasati, D.A., Kusumaatmaja, A., Aliah, H. & Suharyadi, E. 2023. Photocatalytic mechanism and properties of recyclable hybrid magnetic/semiconductor nanocomposites synthesized via green route for organic dye degradation. *Results in Materials*, 19(August): 100439. Tersedia di <https://doi.org/10.1016/j.rinma.2023.100439>.
- Puspitarum, D.L., Istiqomah, N.I., Tumbelaka, R.M., Kusumaatmaja, A., Oshima, D., Kato, T. & Suharyadi, E. 2022. High performance of magnetically separable and recyclable photocatalyst of green-synthesized CoFe₂O₄/TiO₂ nanocomposites for degradation of methylene blue. *Advances in Natural Sciences: Nanoscience and Nanotechnology*, 13(4): 045003. Tersedia di <https://iopscience.iop.org/article/10.1088/2043-6262/ac996b>.
- Rahban, D., Doostan, M. & Salimi, A. 2020. Cancer Therapy; Prospects for Application of Nanoparticles for Magnetic-Based Hyperthermia. *Cancer Investigation*, 38(8–9): 507–521. Tersedia di <https://www.tandfonline.com/doi/full/10.1080/07357907.2020.1817482>.
- Rahmayeni, Alfina, A., Stiadi, Y., Lee, H.J. & Zulhadjri 2019. Green synthesis and Characterization of ZnO-CoFe₂O₄ Semiconductor Photocatalysts Prepared Using Rambutan (*Nephelium lappaceum* L.) Peel Extract. *Materials Research*,

- 22(5): 2–11. Tersedia di http://www.scielo.br/scielo.php?script=sci_arttext&pid=S1516-14392019000500204&tlng=en.
- Rajan, A. & Sahu, N.K. 2020. Review on magnetic nanoparticle-mediated hyperthermia for cancer therapy. *Journal of Nanoparticle Research*, 22(11): 319. Tersedia di <https://link.springer.com/10.1007/s11051-020-05045-9>.
- Rajan S, A. & Sahu, N.K. 2020. Inductive calorimetric assessment of iron oxide nano-octahedrons for magnetic fluid hyperthermia. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 603: 125210. Tersedia di <https://linkinghub.elsevier.com/retrieve/pii/S0927775720308037>.
- Rawtani, D., Khatri, N., Tyagi, S. & Pandey, G. 2018. Nanotechnology-based recent approaches for sensing and remediation of pesticides. *Journal of Environmental Management*, 206: 749–762. Tersedia di <https://doi.org/10.1016/j.jenvman.2017.11.037>.
- Razzak, A., Roy, K.R., Sadia, U. & Zzaman, W. 2022. Effect of Cooking on Physicochemical and Antioxidant Properties of Raw and Cooked Moringa Olifera Pods. *SSRN Electronic Journal*, 2022. Tersedia di <https://www.ssrn.com/abstract=4077506>.
- Routray, K.L., Saha, S. & Behera, D. 2019. Green synthesis approach for nano sized CoFe₂O₄ through aloe vera mediated sol-gel auto combustion method for high frequency devices. *Materials Chemistry and Physics*, 224: 29–35. Tersedia di <https://linkinghub.elsevier.com/retrieve/pii/S0254058418310319>.
- Sahoo, S.K., Panigrahi, G.K., Sahoo, A., Pradhan, A.K. & Dalbehera, A. 2021. Bio-hydrothermal synthesis of ZnO–ZnFe₂O₄ nanoparticles using Psidium guajava leaf extract: Role in waste water remediation and plant immunity. *Journal of Cleaner Production*, 318: 128522. Tersedia di <https://linkinghub.elsevier.com/retrieve/pii/S0959652621027311>.
- Saigl, Z.M. 2021. Various Adsorbents for Removal of Rhodamine B Dye: A Review. *Indonesian Journal of Chemistry*, 21(4): 1039. Tersedia di <https://jurnal.ugm.ac.id/ijc/article/view/62863>.
- Sajjad, S., Leghari, S.A.K., Ryma, N. & Farooqi, S.A. 2018. Green Synthesis of Metal-Based Nanoparticles and Their Applications. *Green Metal Nanoparticles*. Wiley, hal.23–77. Tersedia di <https://onlinelibrary.wiley.com/doi/10.1002/9781119418900.ch2>.
- Sandhu, I.S., Chitkara, M., Rana, S., Dhillon, G., Taneja, A. & Kumar, S. 2020. Photocatalytic performances of stand-alone graphene oxide (GO) and reduced graphene oxide (rGO) nanostructures. *Optical and Quantum Electronics*, 52(7): 359. Tersedia di <https://link.springer.com/10.1007/s11082-020-02473-8>.
- Senapati, K.K., Borgohain, C. & Phukan, P. 2012. CoFe₂O₄–ZnS nanocomposite: a magnetically recyclable photocatalyst. *Catalysis Science & Technology*, 2(11): 2361. Tersedia di <https://xlink.rsc.org/?DOI=c2cy20400b>.
- Shahid, M., Alsafari, I.A., Jamil, A., Ahmed Ali, F.A., Haider, S., Agboola, P. & Shakir, I. 2020. Dysprosium substituted nickel cobalt ferrite nanomaterials and their composites with reduced graphene oxide for photocatalysis. *Journal of Taibah University for Science*, 14(1): 1308–1316. Tersedia di

- <https://doi.org/10.1080/16583655.2020.1816389>.
- Shaterabadi, Z., Nabiyouni, G. & Soleymani, M. 2018. Physics responsible for heating efficiency and self-controlled temperature rise of magnetic nanoparticles in magnetic hyperthermia therapy. *Progress in Biophysics and Molecular Biology*, 133: 9–19. Tersedia di <https://linkinghub.elsevier.com/retrieve/pii/S0079610717301499>.
- Shirzad Siboni, M., Samadi, M.T., Yang, J.K. & Lee, S.M. 2011. Photocatalytic reduction of Cr(VI) and Ni(II) in aqueous solution by synthesized nanoparticle ZnO under ultraviolet light irradiation: a kinetic study. *Environmental Technology*, 32(14): 1573–1579. Tersedia di <https://www.tandfonline.com/doi/full/10.1080/09593330.2010.543933>.
- Singh, J., Dutta, T., Kim, K.H., Rawat, M., Samddar, P. & Kumar, P. 2018. “Green” synthesis of metals and their oxide nanoparticles: Applications for environmental remediation. *Journal of Nanobiotechnology*, 16(1): 1–25. Tersedia di <https://doi.org/10.1186/s12951-018-0408-4>.
- Sonu, Dutta, V., Sharma, S., Raizada, P., Hosseini-Bandegharai, A., Kumar Gupta, V. & Singh, P. 2019. Review on augmentation in photocatalytic activity of CoFe₂O₄ via heterojunction formation for photocatalysis of organic pollutants in water. *Journal of Saudi Chemical Society*, 23(8): 1119–1136. Tersedia di <https://doi.org/10.1016/j.jscs.2019.07.003>.
- Stobinski, L., Lesiak, B., Malolepszy, A., Mazurkiewicz, M., Mierzwa, B., Zemek, J., Jiricek, P. & Bieloshapka, I. 2014. Graphene oxide and reduced graphene oxide studied by the XRD, TEM and electron spectroscopy methods. *Journal of Electron Spectroscopy and Related Phenomena*, 195: 145–154. Tersedia di <http://dx.doi.org/10.1016/j.elspec.2014.07.003>.
- Suharyadi, E., Muzakki, A., Istiqomah, N.I., Puspitarum, D.L., Purnama, B. & Djuhana, D. 2022. Reusability of Photocatalytic CoFe₂O₄@ZnO Core–Shell Nanoparticles for Dye Degradation. *ECS Journal of Solid State Science and Technology*, 11(2): 023004. Tersedia di <https://iopscience.iop.org/article/10.1149/2162-8777/ac4c7c>.
- Suharyadi, E., Muzakki, A., Nofrianti, A., Istiqomah, N.I., Kato, T. & Iwata, S. 2020. Photocatalytic activity of magnetic core-shell CoFe₂O₄@ZnO nanoparticles for purification of methylene blue. *Materials Research Express*, 7(8): 085013. Tersedia di <https://iopscience.iop.org/article/10.1088/2053-1591/abafd1>.
- Sun, H., Cao, L. & Lu, L. 2011. Magnetite/reduced graphene oxide nanocomposites: One step solvothermal synthesis and use as a novel platform for removal of dye pollutants. *Nano Research*, 4(6): 550–562. Tersedia di <http://link.springer.com/10.1007/s12274-011-0111-3>.
- Sun, Q.-J., Dong, M.-H., Cai, H.-C., Zhang, X.-Y. & Lu, X.-G. 2023. Preparation and thermogenic performance of monodisperse ferromagnetic Fe/SiO₂ nanoparticles for magnetic hyperthermia and thermal ablation*. *Journal of Magnetism and Magnetic Materials*, 565(January 2022): 170275. Tersedia di <https://doi.org/10.1016/j.jmmm.2022.170275>.
- Tarcan, R., Todor-Boer, O., Petrovai, I., Leordean, C., Astilean, S. & Botiz, I. 2020. Reduced graphene oxide today. *Journal of Materials Chemistry C*, 8(4): 1198–

1224. Tersedia di <https://xlink.rsc.org/?DOI=C9TC04916A>.
- Thiesen, B. & Jordan, A. 2008. Clinical applications of magnetic nanoparticles for hyperthermia. *International Journal of Hyperthermia*, 24(6): 467–474. Tersedia di <https://www.tandfonline.com/doi/full/10.1080/02656730802104757>.
- To Loan, N.T., Hien Lan, N.T., Thuy Hang, N.T., Quang Hai, N., Tu Anh, D.T., Thi Hau, V., Van Tan, L. & Van Tran, T. 2019. CoFe₂O₄ Nanomaterials: Effect of Annealing Temperature on Characterization, Magnetic, Photocatalytic, and Photo-Fenton Properties. *Processes*, 7(12): 885. Tersedia di <https://www.mdpi.com/2227-9717/7/12/885>.
- Tombácz, E., Turcu, R., Socoliuc, V. & Vékás, L. 2015. Magnetic iron oxide nanoparticles: Recent trends in design and synthesis of magnetoresponsive nanosystems. *Biochemical and Biophysical Research Communications*, 468(3): 442–453. Tersedia di <http://dx.doi.org/10.1016/j.bbrc.2015.08.030>.
- Tomboc, G.M., Gadisa, B.T., Joo, J., Kim, H. & Lee, K. 2020. Hollow Structured Metal Sulfides for Photocatalytic Hydrogen Generation. *ChemNanoMat*, 6(6): 850–869. Tersedia di <https://onlinelibrary.wiley.com/doi/10.1002/cnma.202000125>.
- Tongkasee, P., Srithat, D., Srithupthai, K., Wechvitan, P., Thititanaapipong, P., Insuwan, W., Kamsri, P. & Khotpakdee, P. 2023. Extraction and Phytochemical Profile of Three Herbal Weeds: *Chromolaena odorata* L., *Amaranthus viridis* L., and *Cyperus rotundus* L. for Green Synthesis of Silver Nanoparticles. *ASEAN Journal of Scientific and Technological Reports*, 26(3): 10–23. Tersedia di <https://ph02.tcithaijo.org/index.php/tsujournal/article/view/249267>.
- Vaghari, H., Jafarizadeh-Malmiri, H., Mohammadlou, M., Berenjjan, A., Anarjan, N., Jafari, N. & Nasiri, S. 2016. Application of magnetic nanoparticles in smart enzyme immobilization. *Biotechnology Letters*, 38(2): 223–233. Tersedia di <http://link.springer.com/10.1007/s10529-015-1977-z>.
- Vijayalakshmi, S., Elaiyappillai, E., Johnson, P.M. & Lydia, I.S. 2020. Multifunctional magnetic CoFe₂O₄ nanoparticles for the photocatalytic discoloration of aqueous methyl violet dye and energy storage applications. *Journal of Materials Science: Materials in Electronics*, 31(13): 10738–10749. Tersedia di <https://doi.org/10.1007/s10854-020-03624-z>.
- Vo, T.M., Nguyen, T.M.H. & Bark, C.W. 2024. Reduced Graphene Oxide-Supported Copper(I) Oxide Composites for the Degradation of Methylene Blue: Exploring the Capacity of RGO as an Electron Capturer for Achieving Highly Stable Photocatalytic Activity. *ACS Applied Electronic Materials*, 6(6): 4391–4405. Tersedia di <https://pubs.acs.org/doi/10.1021/acsaelm.4c00479>.
- Wang, J., Zang, L., Wang, L., Tian, Y., Yang, Z., Yue, Y. & Sun, L. 2022. Magnetic cobalt ferrite/reduced graphene oxide (CF/rGO) porous balls for efficient photocatalytic degradation of oxytetracycline. *Journal of Environmental Chemical Engineering*, 10(5): 108259. Tersedia di <https://doi.org/10.1016/j.jece.2022.108259>.
- Wang, W., Xiao, K., Zhu, L., Yin, Y. & Wang, Z. 2017. Graphene oxide supported

- titanium dioxide & ferroferric oxide hybrid, a magnetically separable photocatalyst with enhanced photocatalytic activity for tetracycline hydrochloride degradation. *RSC Advances*, 7(34): 21287–21297. Tersedia di <https://xlink.rsc.org/?DOI=C6RA28224E>.
- Wu, K., Su, D., Liu, J., Saha, R. & Wang, J.-P. 2019. Magnetic nanoparticles in nanomedicine: a review of recent advances. *Nanotechnology*, 30(50): 502003. Tersedia di <https://iopscience.iop.org/article/10.1088/1361-6528/ab4241>.
- Wu, S., Lan, D., Zhang, X., Huang, Y., Deng, X., Au, C. & Yi, B. 2021. Microwave hydrothermal synthesis, characterization and excellent uranium adsorption properties of CoFe₂O₄@rGO nanocomposite. *Journal of Central South University*, 28(7): 1955–1965. Tersedia di <https://link.springer.com/10.1007/s11771-021-4744-4>.
- Wu, W., Wu, Z., Yu, T., Jiang, C. & Kim, W.-S. 2015. Recent progress on magnetic iron oxide nanoparticles: synthesis, surface functional strategies and biomedical applications. *Science and Technology of Advanced Materials*, 16(2): 023501. Tersedia di <https://www.tandfonline.com/doi/full/10.1088/1468-6996/16/2/023501>.
- Xue, Y., Chen, H., Yu, D., Wang, S., Yardeni, M., Dai, Q., Guo, M., Liu, Y., Lu, F., Qu, J. & Dai, L. 2011. Oxidizing metal ions with graphene oxide: the in situ formation of magnetic nanoparticles on self-reduced graphene sheets for multifunctional applications. *Chemical Communications*, 47(42): 11689. Tersedia di <https://xlink.rsc.org/?DOI=c1cc14789g>.
- Yin, W., Hao, S. & Cao, H. 2017. Solvothermal synthesis of magnetic CoFe₂O₄/rGO nanocomposites for highly efficient dye removal in wastewater. *RSC Advances*, 7(7): 4062–4069. Tersedia di <http://dx.doi.org/10.1039/C6RA26948F>.
- Yu, W., Sisi, L., Haiyan, Y. & Jie, L. 2020. Progress in the functional modification of graphene/graphene oxide: a review. *RSC Advances*, 10(26): 15328–15345. Tersedia di <https://xlink.rsc.org/?DOI=D0RA01068E>.
- Zhang, Y. & Park, S.-J. 2018. Formation of hollow MoO₃/SnS₂ heterostructured nanotubes for efficient light-driven hydrogen peroxide production. *Journal of Materials Chemistry A*, 6(41): 20304–20312. Tersedia di <https://xlink.rsc.org/?DOI=C8TA08385A>.
- Zhao, S., Li, M., Ding, J., Yang, S., Zang, Y., Zhao, Y., Gao, X. & Ren, N. 2021. Fabrication of rGO/Fe₃O₄ Magnetic Composite for the Adsorption of Anthraquinone-2-Sulfonate in Water Phase. *Water*, 13(17): 2315. Tersedia di <https://www.mdpi.com/2073-4441/13/17/2315>.
- Zurnansyah, Jayanti, P.D., Mahardhika, L.J., Kusumah, H.P., Ardiyanti, H., Wibowo, N.A., Istiqomah, N.I., Asri, N.S., Angel, J. & Suharyadi, E. 2024. Real-time biomolecule detection using GMR chip-based sensor with green-synthesized Fe₃O₄/rGO nanocomposites as magnetic labels. *Sensors and Actuators A: Physical*, 375(May): 115493. Tersedia di <https://doi.org/10.1016/j.sna.2024.115493>.