

DAFTAR PUSTAKA

- Abdul Satar, N.S., Adnan, R., Lee, H.L., Hall, S.R., Kobayashi, T., Mohamad Kassim, M.H. & Mohd Kaus, N.H., 2019, 'Facile green synthesis of yttrium-doped BiFeO₃ with highly efficient photocatalytic degradation towards methylene blue', *Ceramics International*, 45(13), 15964–15973.
- Abima, S. & Sumathi, S., 2025, 'NIR reflective yellow pigment derived from gadolinium phosphate by doping bismuth and vanadium', *Optical Materials*, 159.
- Aishwarya, K., Hannah Jeniffer, I., Maruthasalamoorthy, S., Nirmala, R., Punithavelan, N. & Navamathavan, R., 2022, 'Review—State of the Art of the Multifunctional Bismuth Ferrite: Synthesis Method and Applications', *ECS Journal of Solid State Science and Technology*, 11(4), 043010.
- Ashraf, K., Adlin, N.F., Basri, A.N., Ahmad, W. & Sultan, S., 2024, *The Traditional Uses, Phytochemistry, and Pharmacological Effects of Clitoria ternatea: A Review*, *Indian Journal of Pharmaceutical Education and Research*, 58(1), 1–14.
- Aswin, M., Jeice, A.R. & Rajaram, P., 2025, 'Green synthesis of α -MoO₃ nanorods using Tridax procumbens leaf extract for photodegradation and antimicrobial applications against cationic tri-pigments', *Journal of Crystal Growth*, 666.
- Azahar, S.S., Raja, P.B., Mohamad Ibrahim, M.N., Awang, K., Zakeyuddin, M.S., Hamidon, T.S. & Hussin, M.H., 2024, 'Extraction of flavonoids from Butterfly blue pea (*Clitoria ternatea*) flower as carbon steel corrosion inhibitor in CO₂ environment: Experimental and theoretical approaches', *Journal of Molecular Liquids*, 396.
- Caggiani, M.C., Fugazzotto, M., Ferri, L. de, Bertino, A., Andriulo, F., Barone, G. & Mazzoleni, P., 2024, 'Exploitation of IR statistical results as a guidance for the multi-technique study of synthetic and natural iron-based pigments', *Microchemical Journal*, 197.
- Chen, J., Xiao, Y., Huang, B. & Sun, X., 2018, 'Sustainable cool pigments based on iron and tungsten co-doped lanthanum cerium oxide with high NIR reflectance for energy saving', *Dyes and Pigments*, 154, 1–7.
- Chen, X., Sun, D., He, Z., Kang, S., Miao, Y. & Li, Y., 2024, *Ferrite bismuth-based nanomaterials: From ferroelectric and piezoelectric properties to nanomedicine applications*, *Colloids and Surfaces B: Biointerfaces*, 233.
- Chen, Y., Sha, A., Jiang, W., Lu, Q., Du, P., Hu, K. & Li, C., 2025, 'Eco-friendly bismuth vanadate/iron oxide yellow composite heat-reflective coating for sustainable pavement: Urban heat island mitigation', *Construction and Building Materials*, 470.
- Divya, K., Soosairaj, A., Arunmozhi, A.A., Pabba, D.P., Vijay, R.J. & Rajesh, A.L., 2025, 'Investigation of the impact of *Clitoria ternatea* dye on the growth and characterization of lithium paranitrophenolate trihydrate single crystals for nonlinear optical applications', *Journal of Molecular Structure*, 1325.
- Elakkiya, V. & Sumathi, S., 2022, 'Vanadium and bismuth doped FePO₄ as Near Infra Red (NIR) reflective pigment for energy saving application', *Materials Chemistry and Physics*, 290.

- Fatima, A., Khan, M.S., Ayoub, R., Jabeen, T., Zeng, Y., Azeem, W., Javaid, S. & Motola, M., 2025, 'Comparative study of sol-gel and co-precipitation techniques for synthesizing Calotropis Procera-mediated bismuth ferrite for biomedical and environmental applications', *Results in Chemistry*, 15.
- Fatimah, I., Hidayat, H., Nugroho, B.H. & Husein, S., 2020, 'Ultrasound-assisted biosynthesis of silver and gold nanoparticles using Clitoria ternatea flower', *South African Journal of Chemical Engineering*, 34, 97–106.
- Fiuza, T.E.R., Borges, J.F.M., Cunha, J.B.M. da, Antunes, S.R.M., Andrade, A.V.C. de, Antunes, A.C. & Souza, É.C.F. de, 2018, 'Iron-based inorganic pigments from residue: Preparation and application in ceramic, polymer, and paint', *Dyes and Pigments*, 148, 319–328.
- Fortuño-Morte, M., Beltrán-Mir, H. & Cordoncillo, E., 2020, 'Study of the role of praseodymium and iron in an environment-friendly reddish orange pigment based on Fe doped Pr₂Zr₂O₇: A multifunctional material', *Journal of Alloys and Compounds*, 845.
- Ghuzali, N.A.M., Noor, M.A.A.C.M., Zakaria, F.A., Hamidon, T.S. & Husin, M.H., 2021, 'Study on Clitoria ternatea extracts doped sol-gel coatings for the corrosion mitigation of mild steel', *Applied Surface Science Advances*, 6.
- James, V., Prabhakar Rao, P., Sameera, S. & Divya, S., 2014, 'Multiferroic based reddish brown pigments: Bi_{1-x}M_xFeO₃ (M=Y and La) for coloring applications', *Ceramics International*, 40(1 PART B), 2229–2235.
- Kharbanda, S., Dhanda, N., Aidan Sun, A.C., Thakur, A. & Thakur, P., 2023, 'Multiferroic perovskite bismuth ferrite nanostructures: A review on synthesis and applications', *Journal of Magnetism and Magnetic Materials*, 572.
- Li, F., Zhou, J., Gao, C., Qiu, H., Gong, Y., Gao, Jinghan, Liu, Y. & Gao, Jianping, 2020, 'A green method to prepare magnetically recyclable Bi/Bi₂₅FeO₄₀-C nanocomposites for photocatalytic hydrogen generation', *Applied Surface Science*, 521.
- Liu, Y., Guo, H., Zhang, Y., Tang, W., Cheng, X. & Li, W., 2018, 'Heterogeneous activation of peroxymonosulfate by sillenite Bi₂₅FeO₄₀: Singlet oxygen generation and degradation for aquatic levofloxacin', *Chemical Engineering Journal*, 343, 128–137.
- Lv, K., Liang, X., Yao, Q., Zhang, L., Zhang, Z. & Gao, Y., 2024, 'Synthesis and characterization of novel yellow-green Cr, Zn-codoped Ba(Mg₆Ti₆)O₁₉ pigments with high NIR reflectance', *Ceramics International*, 50(22), 47620–47629.
- Ma, Y., Han, Q., Chiu, T.W., Wang, X. & Zhu, J., 2020, 'Simple thermal decomposition of bismuth citrate to Bi/C/α-Bi₂O₃ with enhanced photocatalytic performance and adsorptive ability', *Catalysis Today*, 340, 40–48.
- Mahiuddin, M. & Ochiai, B., 2022, 'Comprehensive Study on Lemon Juice-Based Green Synthesis and Catalytic Activity of Bismuth Nanoparticles', *ACS Omega*, 7(40), 35626–35634.
- Mahmoud, S.M., Ammar, S.H., Ali, N.D., Ali, F.D. & Jabbar, Z.H., 2024, 'Visible-light-prompted photocatalytic degradation of emerging contaminants over

- facile constructed ZIF-67/Bi₂₅FeO₄₀ hybrids', *Journal of Water Process Engineering*, 59.
- Matinise, N., Botha, N., Madiba, I.G. & Maaza, M., 2023, 'Mixed-phase bismuth ferrite oxide (BiFeO₃) nanocomposites by green approach as an efficient electrode material for supercapacitor application', *MRS Advances*, 8(12), 703–707.
- Matos Degues, K. de, Bernardin, A.M., Marinoski, D.L., Fredel, M.C. & Schabbach, L.M., 2025, 'Synthesis of pigments with high solar reflectance based on lanthanum-doped bismuth ferrite', *Optical Materials*, 167.
- Mharsale, N.N., More, P.S., Kholam, Y.B., Shaikh, S.F., Al-Enizi, A.M. & Gadakh, S.R., 2024, 'Visible light-induced photocatalytic degradation of methylene blue dye using pure phase bismuth ferrite nanoparticles', *Journal of Physics and Chemistry of Solids*, 192.
- Mukherjee, S., Ahmed, M., Mishra, S.M., Cyriac, J., Chakrabarti, C. & Nambissan, P.M.G., 2023, 'Defects characteristic investigation of bismuth ferrite nanocrystallites through positron annihilation and supportive methods', *Journal of Physics and Chemistry of Solids*, 180.
- Muthu Kumar, A., Ragavendran, V., Mayandi, J., Ramachandran, K. & Jayakumar, K., 2024, 'Enhancing supercapacitance and energy density with phase tuning agent: Bi₂₅FeO₄₀ microcubes perspective', *Materials Science in Semiconductor Processing*, 177.
- Parida, S., Nanda, J., Sarangi, B. & Behera, R., 2024, 'Plant extract mediated synthesis of BiFeO₃ nanoparticles for photocatalytic degradation of methylene blue dye', *Biomass Conversion and Biorefinery*.
- Parida, S., Sarangi, B., Nanda, J. & Pany, B., 2024, 'Green-synthesized BiFeO₃ nanoparticles for efficient photocatalytic degradation of organic dyes, antibiotic and catalytic reduction of 4-nitrophenol', *Inorganic Chemistry Communications*, 170.
- Pooladi, M., Sharifi, I. & Behzadipour, M., 2020, *A review of the structure, magnetic and electrical properties of bismuth ferrite (Bi₂Fe₄O₉)*, *Ceramics International*, 46(11), 18453–18463.
- Prakash, M., Kavitha, H.P., Abinaya, S., Vennila, J.P. & Lohita, D., 2022, *Green synthesis of bismuth based nanoparticles and its applications - A review*, *Sustainable Chemistry and Pharmacy*, 25.
- Raj, A.K.V., Prabhakar Rao, P. & Rajesh, K., 2023, 'Potential NIR reflecting yellow pigments powder in monoclinic scheelite type solid solutions: BiVO₄-GdPO₄ for cool roof applications', *Inorganic Chemistry Communications*, 149.
- Roy, D., Pandey, K. & Yadav, A.K., 2022, 'Green Synthesised Bismuth Ferrite for PVA-PANI-BFO Polymer-Nanocomposite Membrane: Impacts on Ionic Conductivity with Variation of Relative Humidity', *Journal of Physical Science*, 33(2), 19–44.
- Roy, D.R.S., Aman, R., Chand, U. & Kushawaha, P.K., 2025, 'Green synthesis of zinc nanoparticles using leaf extract of *Clitoria ternatea* and evaluation of its antimicrobial and anti-oxidant activity', *Microbe (Netherlands)*, 7.

- S. G, D. & B, M., 2024, *A comprehensive review on current trends in greener and sustainable synthesis of ferrite nanoparticles and their promising applications*, *Results in Engineering*, 21.
- S., R., M.R., V., Ammasi, A. & Kaliyamurthy, J., 2025, 'Anthocyanin and betalain pigments assisted green synthesis of TiO₂: A sustainable and cost-effective approach for dye-sensitized solar cells photoanodes', *Optical Materials*, 160.
- Sarwar, S., Ali, S., Khan, S.R., Jamil, S., Farooq, S., Jafar, T., Latif, M.J. & Shehroz, H., 2024, *Marriage of Green Technology and Chemistry–bismuth-based nanoparticles: a remarkable combination*, *Environmental Technology Reviews*, 13(1), 544–571.
- Sharma, D., Kumar, H. & Kumar, S., 2025, 'Magnetic field and dissolved oxygen assisted ultra-high photocatalytic activity of α - γ -Fe₂O₃ heterophase wrapped with rGO sheets for the removal of rifampicin', *Applied Materials Today*, 44.
- Sharmila, M., Mani, R.J., Parvathiraja, C., Abdul Kader, S.M., Siddiqui, M.R., Wabaidur, S.M., Islam, M.A. & Lai, W.C., 2022, 'Visible Light Photocatalyst and Antibacterial Activity of BFO (Bismuth Ferrite) Nanoparticles from Honey', *Water (Switzerland)*, 14(10).
- Shukla, R., Saha, P., Shinde, A.B., Krishna, P.S.R., Babu, P.D., Tyagi, A.K., Achary, S.N., Santamaría-Perez, D., Marqueño, T., Ruiz-Fuertes, J., Popescu, C. & Errandonea, D., 2025, 'On formation and evolution of structure of sillenite type Bi₂₅FeO₄₀ phase with temperature and pressure', *Journal of Alloys and Compounds*, 1020.
- Singh, H. & Rajput, J.K., 2020, 'Effect of calcination temperature on magnetic, structural, thermal and optical properties of BFO-T nanoparticles', *SN Applied Sciences*, 2(8).
- Sivaraj, K.S., Sreehari, K.S., Bhowmik, R.N. & Anantharaman, M.R., 2021, 'Sillenite phase stabilized ferromagnetic ordering in multiphasic magnetoelectric bismuth ferrite', *Journal of Solid State Chemistry*, 299.
- Supriya, S., 2023, *Recent trends and morphology mechanisms of rare-earth based BiFeO₃ nano perovskites with excellent photocatalytic performances*, *Journal of Rare Earths*, 41(3), 331–341.
- Taufan, D.Q., Satriana, Lubis, Y.M., Arpi, N., Haryani, S., Hafizah, Y. & Supardan, M.D., 2024, *Effects of solvent type and solid to solvent ratio in a butterfly pea (Clitoria ternatea) maceration process*, *IOP Conference Series: Earth and Environmental Science*, vol. 1290, Institute of Physics.
- Verma, R., Chauhan, A., Neha, Batoo, K.M., Kumar, R., Hadhi, M. & Raslan, E.H., 2021, 'Effect of calcination temperature on structural and morphological properties of bismuth ferrite nanoparticles', *Ceramics International*, 47(3), 3680–3691.
- Wang, N., Luo, X., Han, L., Zhang, Z., Zhang, R., Olin, H. & Yang, Y., 2020, *Structure, Performance, and Application of BiFeO₃ Nanomaterials*, *Nano-Micro Letters*, 12(1).
- Wang, N., Yi, M., Dai, M., Wang, H., Zhang, N., Zhang, T., Zhang, J. & Zhang, B., 2025, 'Facile synthesis of C/Bi/ α -Bi₂O₃/ β -Bi₂O₃ heterojunction catalyst for efficient degradation of rhodamine B', *Journal of Alloys and Compounds*, 1020.

- Whitehead, C.B., Özkar, S. & Finke, R.G., 2021, *LaMer's 1950 model of particle formation: A review and critical analysis of its classical nucleation and fluctuation theory basis, of competing models and mechanisms for phase-changes and particle formation, and then of its application to silver halide, semiconductor, metal, and metal-oxide nanoparticles*, *Materials Advances*, 2(1), 186–235.
- Zhou, T., Zhai, T., Shen, H., Wang, J., Min, R., Ma, K. & Zhang, G., 2023, *Strategies for enhancing performance of perovskite bismuth ferrite photocatalysts (BiFeO₃): A comprehensive review*, *Chemosphere*, 339.