

DAFTAR PUSTAKA

- Adzhani, A., Darusman, F., dan Aryani, R., 2022, *Kajian Efek Radiasi Ultraviolet terhadap Kulit*, Paper presented at the Bandung Conference Series: Pharmacy.
- Alamelu, K., Raja, V., Shiamala, L., dan Ali, B. J. J. A. S. S., 2018, Biphasic TiO₂ nanoparticles decorated graphene nanosheets for visible light driven photocatalytic degradation of organic dyes, *430*, 145-154,
- Alford, T. L., Feldman, L. C., dan Mayer, J. W., 2007, *Fundamentals of Nanoscale Film Analysis*,
- Ali, I., Allothman, Z., Al-Warthan, A. J. I. j. o. e. s., dan technology, 2016, Sorption, kinetics and thermodynamics studies of atrazine herbicide removal from water using iron nano-composite material, *13*, 733-742,
- Aliyev, E., Filiz, V., Khan, M. M., Lee, Y. J., Abetz, C., dan Abetz, V. J. N., 2019, Structural characterization of graphene oxide: Surface functional groups and fractionated oxidative debris, *9*(8), 1180,
- Alsaiari, N. S., Amari, A., Katubi, K. M., Alzahrani, F. M., Rebah, F. B., Tahoon, M. A. J. A. S., dan Technology, 2022, The synthesis of magnetic nitrogen-doped graphene oxide nanocomposite for the removal of reactive orange 12 dye, *2022*, 9417542,
- Annisaputri, W. A., Azzah, A. N., dan Wibisono, R. D. J. T. I. G. T. J., 2020, Studi Potensi Fotokatalis dari Material Kerangka Logam-Organik (Metal-Organic Framework) untuk Degradasi Zat Pewarna Limbah Batik, *9*(2),
- Asahi, R., Morikawa, T., Irie, H., dan Ohwaki, T., 2014, Nitrogen-Doped Titanium Dioxide as Visible-Light-Sensitive Photocatalyst: Designs Developments, and Prospects., *Chem*, *114*,
- Bahrodin, M. B., Zaidi, N. S., Hussein, N., Sillanpää, M., Prasetyo, D. D., dan Syafiuddin, A. J. C. P. R., 2021, Recent advances on coagulation-based treatment of wastewater: Transition from chemical to natural coagulant, *7*(3), 379-391,
- Bakre, P. V., Tilve, S., dan Shirsat, R. J. A. J. o. C., 2020, Influence of N sources on the photocatalytic activity of N-doped TiO₂, *13*(11), 7637-7651,
- Basavarajappa, P. S., Patil, S. B., Ganganagappa, N., Reddy, K. R., Raghu, A. V., dan Reddy, C. V., 2020, Recent progress in metal-doped TiO₂, non-metal doped/codoped TiO₂ and TiO₂ nanostructured hybrids for enhanced photocatalysis, *International journal of hydrogen energy*, *45*,
- Bie, C., Yu, H., Cheng, B., Ho, W., Fan, J., dan Yu, J. J. A. M., 2021, Design, fabrication, and mechanism of nitrogen-doped graphene-based photocatalyst, *33*(9), 2003521,
- Buwaneswari, K., dan Singanan, M., 2020, WITHDRAWN: Review on scanning electron microscope analysis and adsorption properties of different activated carbon materials, In: Elsevier.
- Caicedo, F. M. C., López, E. V., Agarwal, A., Drozd, V., Durygin, A., Hernandez, A. F., . . . Materials, R., 2020, Synthesis of graphene oxide from graphite by ball milling, *109*, 108064,

- Calisir, M. D., Gungor, M., Demir, A., Kilic, A., dan Khan, M. M. J. C. I., 2020, Nitrogen-doped TiO₂ fibers for visible-light-induced photocatalytic activities, *46*(10), 16743-16753,
- Cao, J., Ren, S., Xin, S., Bai, Y., Wang, W., dan Gao, W. J. J. o. A. P. S., 2021, Significantly enhanced the properties of PE/GO composites with segregated structures via two-step compound, *138*(22), 50518,
- Cervantes-Avilés, P., Saber, A. N., Mora, A., Mahlkecht, J., Cuevas-Rodríguez, G. J. E. S., dan Research, P., 2022, Influence of wastewater type in the effects caused by titanium dioxide nanoparticles in the removal of macronutrients by activated sludge, 1-12,
- Chen, D., Cheng, Y., Zhou, N., Chen, P., Wang, Y., Li, K., . . . Zhang, R. J. J. o. C. P., 2020, Photocatalytic degradation of organic pollutants using TiO₂-based photocatalysts: A review, *268*, 121725,
- D'Arienzo, M., Scotti, R., Wahba, L., Battocchio, C., Bemporad, E., Nale, A., dan Morazzoni, F. J. A. c. B. e., 2009, Hydrothermal N-doped TiO₂: explaining photocatalytic properties by electronic and magnetic identification of N active sites, *93*(1-2), 149-155,
- Daraee, M., Ghasemy, E., dan Rashidi, A. J. J. o. E. C. E., 2020, Effective adsorption of hydrogen sulfide by intercalation of TiO₂ and N-doped TiO₂ in graphene oxide, *8*(4), 103836,
- Das, A., Adak, M. K., Mahata, N., dan Biswas, B. J. J. o. M. L., 2021, Wastewater treatment with the advent of TiO₂ endowed photocatalysts and their reaction kinetics with scavenger effect, *338*, 116479,
- Davies, T. E., Li, H., Bessette, S., Gauvin, R., Patience, G. S., dan Dummer, N. F. J. T. C. J. o. C. E., 2022, Experimental methods in chemical engineering: Scanning electron microscopy and X-ray ultra-microscopy—SEM and XuM, *100*(11), 3145-3159,
- Debye, P., dan Scherrer, P., 1916, *Z. Phys*,
- Devi, L. G., dan Kavitha, R., 2013, A review on non metal ion doped titania for the photocatalytic degradation of organic pollutants under UV/solar light: Role of photogenerated charge carrier dynamics in enhancing the activity.,
- Dong, S., Chen, S., He, F., Li, J., Li, H., Xu, K. J. J. o. A., dan Compounds, 2022, Construction of a novel N-doped oxygen vacancy-rich TiO₂ N-TiO₂- X/g-C₃N₄ S-scheme heterostructure for visible light driven photocatalytic degradation of 2, 4-dinitrophenylhydrazine, *908*, 164586,
- Dwiyanra, R., Roto, R., Wahyuni, E. J. V. L. A. P. f. E. R., dan Synthesis, O., 2021, Remazol Black Decontamination Study Using a Novel One-Pot Synthesized S and Co Co-Doped TiO₂ Photocatalyst. *Photochem* 2021, 1, 488–504, 37,
- Eigler, S., Dotzer, C., dan Hirsch, A., 2012, Formation and decomposition of CO₂ intercalated graphene oxide, *Chem*, *24*,
- Erickson, K., Erni, R., dan Lee, Z., 2010, Determination of the local chemical structure of graphene oxide and reduced graphene oxide,
- Fadlilmoula, A., Pinho, D., Carvalho, V. H., Catarino, S. O., dan Minas, G. J. M., 2022, Fourier transform infrared (FTIR) spectroscopy to analyse human

- blood over the last 20 years: a review towards lab-on-a-chip devices, *13*(2), 187,
- Ge, M., Hu, Z., Wei, J., He, Q., He, Z. J. J. o. A., dan Compounds, 2021, Recent advances in persulfate-assisted TiO₂-based photocatalysis for wastewater treatment: Performances, mechanism and perspectives, 888, 161625,
- Geim, A. K., dan Novoselov, K. S., 2007, The rise of graphene, *6*,
- Giampiccolo, A., Tobaldi, D. M., Leonardi, S. G., Murdoch, B. J., Seabra, M. P., Ansell, M. P., . . . Ball, R. J. J. A. C. B. E., 2019, Sol gel graphene/TiO₂ nanoparticles for the photocatalytic-assisted sensing and abatement of NO₂, *243*, 183-194,
- Gopinath, K. P., Madhav, N. V., Krishnan, A., Malolan, R., dan Rangarajan, G. J. J. o. E. M., 2020, Present applications of titanium dioxide for the photocatalytic removal of pollutants from water: A review, *270*, 110906,
- Guerrero-Pérez, M. O., dan Patience, G. S. J. T. C. J. o. C. E., 2020, Experimental methods in chemical engineering: Fourier transform infrared spectroscopy—FTIR, *98*(1), 25-33,
- Guo, Y., Liu, C., Ye, R., dan Duan, Q. J. A. S., 2020, Advances on water quality detection by uv-vis spectroscopy, *10*(19), 6874,
- Gupta, T., Cho, J., dan Prakash, J. J. M. T. C., 2021, Hydrothermal synthesis of TiO₂ nanorods: formation chemistry, growth mechanism, and tailoring of surface properties for photocatalytic activities, *20*, 100428,
- Hanafy, H., Sellaoui, L., Thue, P. S., Lima, E. C., Dotto, G. L., Alharbi, T., . . . Lamine, A. B. J. J. o. M. L., 2020, Statistical physics modeling and interpretation of the adsorption of dye remazol black B on natural and carbonized biomasses, *299*, 112099,
- Hang, Y., Tan, Y. W., dan Stormer, H. L., 2005, Experimental observation of the quantum Hall effect and Berry's phase in graphene,
- Hou, Y., Lv, S., Liu, L., dan Liu, X. J. C. I., 2020, High-quality preparation of graphene oxide via the Hummers' method: understanding the roles of the intercalator, oxidant, and graphite particle size, *46*(2), 2392-2402,
- Hulupi, Nabilah, dan Nabilah, 2022, Sintesis Carbon Nanodots dari Molase Menggunakan Metode Pemanasan Terbantuan Gelombang Mikro, *Sintesis Carbon Nanodots dari Molase Menggunakan Metode Pemanasan Terbantuan Gelombang Mikro*,
- Hummers, W. S., dan Jr.; Offeman, R. E., 1958, Preparation of graphitic oxide, *J. Am. Chem. Soc.*, *80*,
- Ida., Wilson, P., Neppolian, B., Sathish, M., Shaheer, A. M., dan Ravi, P., 2020, Tuning the type of nitrogen on N-RGO supported on N-TiO₂ under ultrasonication/hydrothermal treatment for efficient hydrogen evolution—a mechanistic overview, *Ultrasonics Sonochemistry*, *64*,
- Irshad, M. A., Nawaz, R., Ur Rehman, M. Z., Adrees, M., Rizwan, M., Ali, S., . . . safety, e., 2021, Synthesis, characterization and advanced sustainable applications of titanium dioxide nanoparticles: A review, *212*, 111978,
- Ismael, M., Sharma, A., Kumar, N. J. S. M., dan Technologies, 2024, An extensive catalytic potential of sustainable TiO₂-based materials fabricated via flame spray pyrolysis: A comprehensive review, e00826,

- Jiang, J.-Q., Zhou, Z., dan Sharma, V. J. M. J., 2013, Occurrence, transportation, monitoring and treatment of emerging micro-pollutants in waste water—A review from global views, *110*, 292-300,
- Kakade, P. M., Kachere, A. R., Rondiya, S. R., Bhosale, S. V. J. E. M., dan Manufacturing, 2021, Graphene oxide assisted synthesis of magnesium oxide nanorods, *12*(2), 63-71,
- Khairy, M., Kamar, E. M., Yehia, M., dan Masoud, E. M. J. B. R. A. C., 2021, High removal efficiency of methyl orange dye by pure and (Cu, N) doped TiO₂/polyaniline nanocomposites, *12*, 893-909,
- Khan, H., Yerramilli, A. S., D'Oliveira, A., Alford, T. L., Boffito, D. C., dan Patience, G. S. J. T. C. j. o. c. e., 2020, Experimental methods in chemical engineering: X-ray diffraction spectroscopy—XRD, *98*(6), 1255-1266,
- Koe, W. S., Lee, J. W., Chong, W. C., Pang, Y. L., Sim, L. C. J. E. S., dan Research, P., 2020, An overview of photocatalytic degradation: photocatalysts, mechanisms, and development of photocatalytic membrane, *27*(3), 2522-2565,
- Kumar, R., Kumar, V., dan Sharma, V. J. A. s., 2015, Discrimination of various paper types using diffuse reflectance ultraviolet–visible near-infrared (UV-Vis-NIR) spectroscopy: forensic application to questioned documents, *69*(6), 714-720,
- Kurban, H., Dalkilic, M., Temiz, S., dan Kurban, M. J. C. M. S., 2020, Tailoring the structural properties and electronic structure of anatase, brookite and rutile phase TiO₂ nanoparticles: DFTB calculations, *183*, 109843,
- Kusumawardani, C., Sugiyarto, K. H., dan Prodjosantoso, A. K., 2021, The Influence of pH on the Nitrogen-doped TiO₂ Structure and Its Photocatalytic Activity on Methylene Blue Degradation, *Molekul*, *16*, 10,
- Landi Jr, S., Segundo, I. R., Freitas, E., Vasilevskiy, M., Carneiro, J., dan Tavares, C. J. J. S. s. c., 2022, Use and misuse of the Kubelka-Munk function to obtain the band gap energy from diffuse reflectance measurements, *341*, 114573,
- Lara-Pérez, Leyva, E., Zermeño, B., Osorio, I., dan Montalvo, C., 2020, Photocatalytic degradation of diclofenac sodium salt: adsorption and reaction kinetic studies, *Environmental Earth Sciences*,
- Leal, A. N. R., de Lima, A. d. C. A., dos Anjos Azevedo, M. G. F., do Nascimento Santos, D. K. D., Zaidan, L. E. M. C., de Lima, V. F., dan Cruz Filho, I. J. J. S. P., 2021, Removal of Remazol Black B dye using bacterial cellulose as an adsorbent, *17*(3),
- Lee, C.-G., Javed, H., Zhang, D., Kim, J.-H., Westerhoff, P., Li, Q., dan Alvarez, P. J. J., 2018, Porous Electrospun Fibers Embedding TiO₂ for Adsorption and Photocatalytic Degradation of Water Pollutants, *Environ. Sci. Technol.*, doi:<https://doi.org/10.1021/acs.est.7b06508>.
- Lellis, B., Fávaro-Polonio, C. Z., Pamphile, J. A., dan Polonio, J. C., 2019, Effects of textile dyes on health and the environment and bioremediation potential of living organisms, *Biotechnology Research and Innovation*,
- Lerf, A., He, H., dan Forster, M., 1998, Structure of graphite oxide revisited, *J. Phys Chem*,

- Lettieri, S., Pavone, M., Fioravanti, A., Santamaria Amato, L., dan Maddalena, P., 2021, Charge carrier processes and optical properties in TiO₂ and TiO₂-based heterojunction photocatalysts: A review, *Materials*,
- Li, P., Yang, F. J. M. S., dan B, E., 2023, Preparation and performance of TiO₂/ZnO humidity sensor based on TiO₂, 298, 116902,
- Lim, C., An, H. R., Ha, S., Myeong, S., Min, C. G., Chung, H. J., dan Lee, Y. S., 2023, Highly visible-light-responsive nanoporous nitrogen-doped TiO₂ (N-TiO₂) photocatalysts produced by underwater plasma technology for environmental and biomedical applications, *Applied Surface Science*, 638,
- Liu, C., Zhang, L., Liu, R., Gao, Z., Yang, X., Tu, Z., . . . Compounds, 2016, Hydrothermal synthesis of N-doped TiO₂ nanowires and N-doped graphene heterostructures with enhanced photocatalytic properties, 656, 24-32,
- Lolo, E. U., dan Pambudi, Y. S. J. J. S. E., 2020, Penurunan Parameter Pencemar Limbah Cair Industri Tekstil Secara Koagulasi Flokulasi (Studi Kasus: IPAL Kampung Batik Laweyan, Surakarta, Jawa Tengah, Indonesia), 5(3),
- Mandal, P., Debbarna, J., Saha, M. J. C. R., dan Technology, 2020, One Step Synthesis of N-Containing Graphene Oxide from 3-Aminophenol, 55(4), 1900158,
- Mehdizadeh, P., Tavangar, Z., Shabani, N., dan Hamadani, M. J. J. o. N., 2020, Visible light activity of nitrogen-doped TiO₂ by sol-gel method using various nitrogen sources, 10(2), 307-316,
- Morozzi, P., Ballarin, B., Arcozzi, S., Brattich, E., Lucarelli, F., Nava, S., . . . Tositti, L. J. A. E., 2021, Ultraviolet–Visible Diffuse Reflectance Spectroscopy (UV–Vis DRS), a rapid and non-destructive analytical tool for the identification of Saharan dust events in particulate matter filters, 252, 118297,
- Mukherjee, P., Chakraborty, D. D., Chakraborty, P., Shrestha, B., dan Bhuyan, N. R. J. A. J. P. C. R., 2021, Different ultraviolet spectroscopic methods: a retrospective study on its application from the viewpoint of analytical chemistry, 14(9), 1-11,
- Nachit, W., Ahsaine, H. A., Ramzi, Z., Touhtouh, S., Goncharova, I., dan Benkhouja, K. J. O. M., 2022, Photocatalytic activity of anatase-brookite TiO₂ nanoparticles synthesized by sol gel method at low temperature, 129, 112256,
- Nasir, A. M., Jaafar, J., Aziz, F., Yusof, N., Salleh, W. N. W., Ismail, A. F., dan Aziz, M. J. J. o. W. P. E., 2020, A review on floating nanocomposite photocatalyst: fabrication and applications for wastewater treatment, 36, 101300,
- Natarajan, T. S., Mozhiarasi, V., dan Tayade, R. J. J. P., 2021, Nitrogen doped titanium dioxide (N-TiO₂): synopsis of synthesis methodologies, doping mechanisms, property evaluation and visible light photocatalytic applications, 1(3), 371-410,
- Nguyen, P., Carvalho, G., Reis, M. A., dan Oehmen, A. J. W. R., 2021, A review of the biotransformations of priority pharmaceuticals in biological wastewater treatment processes, 188, 116446,

- Nikkanen, J.-P., 2016, Synthesis of TiO₂ by Various Methods: Structural Characteristics, Photocatalytic Activity and Usability of Powders and Coatings,
- Oliveira, d., M., C. P., Farah, I. F., Koch, K., Drewes, J. E., Viana, M. M., dan Amaral, M. C. S., 2022, TiO₂-Graphene oxide nanocomposite membranes: A review, *Separation and Purification Technology*,
- Padmanabhan, N. T., Thomas, N., Louis, J., Mathew, D. T., Ganguly, P., John, H., dan Pillai, S. C. J. C., 2021, Graphene coupled TiO₂ photocatalysts for environmental applications: A review, *271*, 129506,
- Peiris, S., de Silva, H. B., Ranasinghe, K. N., Bandara, S. V., dan Perera, I. R. J. J. o. t. C. C. S., 2021, Recent development and future prospects of TiO₂ photocatalysis, *68(5)*, 738-769,
- Piątkowska, A., Janus, M., Szymański, K., dan Mozia, S. J. C., 2021, C-, N-and S-doped TiO₂ photocatalysts: a review, *11(1)*, 144,
- Prasetya, N. B. A., Haris, A., dan Gunawan, G. J. M., 2012, Pengaruh ion logam Cd (II) dan pH larutan terhadap efektivitas fotodegradasi zat warna remazol black b menggunakan katalis TiO₂, *7(2)*, 143-152,
- Preisner, M., Neverova-Dziopak, E., dan Kowalewski, Z. J. E. M., 2020, An analytical review of different approaches to wastewater discharge standards with particular emphasis on nutrients, *66(4)*, 694-708,
- Qiao, J., dan Xiong, Y. J. J. o. W. P. E., 2021, Electrochemical oxidation technology: A review of its application in high-efficiency treatment of wastewater containing persistent organic pollutants, *44*, 102308,
- Rajput, R. B., Jamble, S. N., dan Kale, R. B. J. E. S., 2021, Solvothermal synthesis of anatase TiO₂ for the detoxification of methyl orange dye with improved photodegradation efficiency, *17(7)*, 176-184,
- Ramandi, S., Entezari, M. H., Ghows, N. J. I. J. o. C., dan Engineering, C., 2020, Solar photocatalytic degradation of diclofenac by N-Doped TiO₂ nanoparticles synthesized by ultrasound, *39(3)*, 159-173,
- Ramos, D. C., González, M. V., Muñoz, R. E., Cruz, J. S., De Moure-Flores, F., dan Mayén-Hernández, S. J. I. J. o. P., 2020, Obtaining and Characterization of TiO₂-GO Composites for Photocatalytic Applications, *2020(1)*, 3489218,
- Raposo, F., De la Rubia, M., Borja, R., dan Alaiz, M. J. T., 2008, Assessment of a modified and optimised method for determining chemical oxygen demand of solid substrates and solutions with high suspended solid content, *76(2)*, 448-453,
- Rashid, R., Shafiq, I., Akhter, P., Iqbal, M. J., Hussain, M. J. E. S., dan Research, P., 2021, A state-of-the-art review on wastewater treatment techniques: the effectiveness of adsorption method, *28*, 9050-9066,
- Razak, K. A., Halin, D. C., Abdullah, M. M. A., Salleh, M. M., Mahmed, N., dan Azani, A., 2022, Factors of controlling the formation of titanium dioxide (TiO₂) synthesized using sol-gel method—A short review, *In Journal of Physics: Conference Series*, 2169,
- Rohman, A., Ghazali, M. A. I. B., Windarsih, A., Riyanto, S., Yusof, F. M., dan Mustafa, S. J. M., 2020, Comprehensive review on application of FTIR

- spectroscopy coupled with chemometrics for authentication analysis of fats and oils in the food products, 25(22), 5485,
- Saeed, M., Muneer, M., Haq, A. u., Akram, N. J. E. S., dan Research, P., 2022, Photocatalysis: An effective tool for photodegradation of dyes—A review, 29(1), 293-311,
- Safitri, R., Miranti, M., Rahayuningsih, S. R., Widjastuti, T., Balia, R., dan Nurhayati, J. J. S. P. S. E. R., Earth Obs Surv Environ Eng, 2020, BIODEGRADATION OF BLACK AND REMAZOL RED TEXTILE DYES BY BACTERIAL STRAINS ISOLATED FROM RIVER CONTAMINATED TEXTILE DYES EFFLUENT, 9(1), 183-192,
- Sanchez Tobon, C., Ljubas, D., Mandić, V., Panžić, I., Matijašić, G., dan Ćurković, L., 2020, Microwave-assisted synthesis of N/TiO₂ nanoparticles for photocatalysis under different irradiation spectra., *Nanomaterials*, 12,
- Sankar, 2018, *Textbook of Pharmaceutical Analysis*, Place, Published: RX Publisher.
- Sarma, S., Ray, S. C., Strydom, A. M. J. D., dan Materials, R., 2017, Electronic and magnetic properties of nitrogen functionalized graphene-oxide, 79, 1-6,
- Sastrawidana, I., Sukarta, I. N., dan Karyasa, I. W. J. E., 2021, Electrically Conductive Carbon-Ceramic Composite as Electrode on Indirect Electrochemical Oxidation Reactor for Remazol Black B Degradation, 14(3),
- Shahedi, A., Darban, A., Taghipour, F., dan Jamshidi-Zanjani, A. J. C. o. i. e., 2020, A review on industrial wastewater treatment via electrocoagulation processes, 22, 154-169,
- Sharma, 2013, *Elementary Organic Spectroscopy Principles and Chemical Application*, Place, Published: Chand Publishing.
- Sihombing, A. K. J. J. H. L. I., 2020, Penegakan hukum terhadap pencemaran lingkungan di Sungai Cikijing, Jawa Barat akibat aktivitas industri tekstil PT. Kahatex, 7(1), 98-117,
- Singh, K., dan Sawant, S., 2022, Identification of CaCO₃ polymorphs of shellfish by FTIR spectroscopy and evaluation of metals adsorption by powdered exoskeleton shell,
- Slonczewski, J. C., dan Weiss, P. R., 1958, Band structure of graphite, *J. Chem. Phys*,
- Stankovich, S., Dikin, D. A., dan Piner, R. D., 2007, Synthesis of graphene-based nanosheets via chemical reduction of exfoliated graphite oxide, *Carbon*,
- Sudiana, I. K., Sastrawidana, I., dan Sukarta, I. N., 2018, Decolorization study of remazol black B textile dye using local fungi of *Ganoderma* sp. and their ligninolytic enzymes,
- Suhan, M. B. K., Shuchi, S. B., Anis, A., Haque, Z., Islam, M. S. J. E. n., monitoring, dan management, 2020, Comparative degradation study of remazol black B dye using electro-coagulation and electro-Fenton process: Kinetics and cost analysis, 14, 100335,
- Sukarta, I. N. J. I. J. o. I. R., dan Studies, A., 2020, Utilization of nata de pina as adsorbent for adsorption of Remazol Black B textile dyes, 7(4),

- Sun, W., Sun, M., Meng, X., Zheng, Y., Li, Z., Huang, X., dan Humayun, M., 2023, Alkynyl carbon functionalized N-TiO₂: Ball milling synthesis and investigation of improved photocatalytic activity, *Journal of Alloys and Compounds*, 939,
- Swanckaert, B., Geltmeyer, J., Rabaey, K., De Buysser, K., Bonin, L., De Clerck, K. J. S., dan Technology, P., 2022, A review on ion-exchange nanofiber membranes: properties, structure and application in electrochemical (waste) water treatment, 287, 120529,
- Thambiliyagodage, C. J. E. N., Monitoring, dan Management, 2022, Efficient photocatalysis of carbon coupled TiO₂ to degrade pollutants in wastewater—A review, 18, 100737,
- Tiwow, V. A., Rampe, M. J., Rampe, H. L., dan Apita, A. J. C. P., 2022, Pola Inframerah Arang Tempurung Kelapa Hasil Pemurnian Menggunakan Asam, 14(2), 116-123,
- Vishnu, D., Pal, S., dan Lawrence, L. V., 2024, Graphene Oxide Nanocomposites as a Promising Photocatalyst in the Degradation of Organic Dyes: Remediation, In *Carbon-Based Materials and Environmental Remediation: Graphene, Biochar, and More* (pp. 169-210): IGI Global.
- Wahyuni, E. T., Rahmaniati, T., Hafidzah, A. R., Suherman, S., dan Suratman, A. J. C., 2021, Photocatalysis over N-doped TiO₂ driven by visible light for Pb (II) removal from aqueous media, 11(8), 945,
- Wang, K., Xu, M., dan Gu, Y., 2017, Low-temperature plasma exfoliated n-doped graphene for symmetrical electrode supercapacitors, 31,
- Xiaodong, Qu, Z., Liu, Z., dan Ren, G. J. A. o., 2022, Mechanism of oxidization of graphite to graphene oxide by the hummers method, 7(27), 23503-23510,
- Xiaoqin, Jia, Q., Pang, J., Yang, Y., Zheng, S., Jia, J., . . . Materials, R., 2022, Hierarchical porous N-TiO₂/carbon foam composite for enhancement of photodegradation activity under simulated sunlight, 128, 109234,
- Xu, Q., Zhang, L., Cheng, B., Fan, J., dan Yu, J. J. C., 2020, S-scheme heterojunction photocatalyst, 6(7), 1543-1559,
- Xu., Cao, R., Shi, S., Li, L., Zhu, K., dan Su, Y. S.-p. u. p. b. o. m. l. q. o.-d. n.-T. p.-N. c.-s. h. a. w. N. l. s. a. d. p., 2022, Self-powered ultraviolet photodetectors based on match like quasi one-dimensional n-TiO₂/p-NiO core-shell heterojunction arrays with NiO layer sputtered at different power,
- Yang, G., dan Park, S.-J. J. M., 2019, Conventional and microwave hydrothermal synthesis and application of functional materials: A review, 12(7), 1177,
- Yokwana, K., Ntsendwana, B., Nxumalo, E. N., dan Mhlanga, S. D. J. J. o. M. R., 2023, Recent advances in nitrogen-doped graphene oxide nanomaterials: synthesis and applications in energy storage, sensor electrochemical applications and water treatment, 38(13), 3239-3263,
- Yu, W., Sisi, L., Haiyan, Y., dan Jie, L. J. R. a., 2020, Progress in the functional modification of graphene/graphene oxide: A review, 10(26), 15328-15345,
- Zadeh, S. M. H., Mehryan, S., Ghalambaz, M., Ghodrati, M., Young, J., dan Chamkha, A. J. E., 2020, Hybrid thermal performance enhancement of a circular latent heat storage system by utilizing partially filled copper foam and Cu/GO nano-additives, 213, 118761,

- Zhang, H., Liu, S. J. J. o. A., dan Compounds, 2020, Electrochemical sensors based on nitrogen-doped reduced graphene oxide for the simultaneous detection of ascorbic acid, dopamine and uric acid, *842*, 155873,
- Zhang, H., Wang, X., Li, N., Xia, J., Meng, Q., Ding, J., dan Lu, J. J. R. a., 2018, Synthesis and characterization of TiO₂/graphene oxide nanocomposites for photoreduction of heavy metal ions in reverse osmosis concentrate, *8(60)*, 34241-34251,
- Zhang., Mohamed, H. H., Dillert, R., dan Bahnemann, D., 2012, Photochemistry Reviews Kinetics and mechanisms of charge transfer processes in photocatalytic systems: A review. "Journal of Photochemistry & Photobiology, C: Photochemistry Reviews, *Journal of Photochemistry and Photobiology*,
- Zhinuo, Liu, S., Cao, X., Wu, S., Liu, C., Li, G., . . . Ding, W. J. C. I., 2020, Preparation and characterization of TiO₂ nanoparticles by two different precipitation methods, *46(10)*, 15333-15341,
- Zhou, Z., Li, B., Liu, X., Li, Z., Zhu, S., Liang, Y., . . . Wu, S. J. A. A. B. M., 2021, Recent progress in photocatalytic antibacterial, *4(5)*, 3909-3936,
- Zhu, S., dan Wang, D. J. A. E. M., 2017, Photocatalysis: basic principles, diverse forms of implementations and emerging scientific opportunities, *7(23)*, 1700841,
- Zifeng, G., Wang, S., Chen, K., Mao, J., dan Diao, X. J. A. A. E. M., 2023, Investigation on the Properties and Mechanism of W-Doped TiO₂ Electrochromic Films Deposited by Cosputtering, *5(12)*, 6778-6786,