# DAFTAR PUSTAKA

Achinas, S. & Euverink, G. J. W., 2019. Feasibility Study of Biogas Production from Hardly Degradable Material in Co-Inoculated Bioreactor. *Energies,* 12(6), p. 1040.

Agani, M., Patangke, S., Hartanto, D. B. & Silaban, M., 2015. *Opportunity and Barriers to Develop a Bottoming Unit by Utilizing Separated Hot Brine in Ulubelu, Indonesia.* Melbourne, International Geothermal Association, pp. 1-11.

Ahmad, T. et al., 2019. Supercritical Fluid Extraction: A Review. *Journal of Biological and Chemical Chronicles,* 5(1), pp. 114-122.

Ali, H. et al., 2019. Cost Estimation of $CO_2$ Absorption Plants for $CO_2$ Mitigation – Method and Assumptions. *International Journal of Greenhouse Gas Control,* Volume 88, pp. 10-23.

Arjunan, P., Muthu, J. H. G., Radha, S. L. S. & Suryan, A., 2022. Selection of working fluids for solar organic Rankine cycle-A review. *International Journal of Energy Research,* pp. 1-27.

Aseri, T. K., Sharma, C. & Kandpal, T. C., 2021. Condenser cooling technologies for concentrating solar power plants: a review. *Environment, Development and Sustainability,* Volume 24, pp. 4511-4565.

ASHRAE, 2020. *Update on New Refrigerants Designations and Safety Classifications,* Atlanta: American Society of Heating, Refrigerating, and Air-Conditioning Engineers.

Astolfi, M., Alfani, D., Lasala, S. & Macchi, E., 2018. Comparison between ORC and $CO_2$ power systems for the exploitation of low-medium temperature heat sources. *Energy,* Volume 161, pp. 1250-1261.

Ayuningtyas, R. R., Purba, D. & Adityatama, D. W., 2021. *Geothermal Role as a Renewable Energy in Energy Mix Indonesia During and Post COVID-19 Pandemic.* Stanford, Stanford University.

Bachtiar, A. Y. et al., 2021. Techno-Economic and Feasibility Assessment of Cryogenic Distillation Membrane (CDM) for Purification Natural Gas from $CO_2$. *Indonesian Journal of Energy,* 4(1), pp. 13-25.

Bellos, E., Lykas, P. & Tzivanidis, C., 2022. Investigation of a Solar-Driven Organic Rankine Cycle with Reheating. *Applied Science,* 12(5), p. 2322.

Biondi, M., Giovannelli, A., Di Lorenzo, G. & Salvini, C., 2020. Techno-economic analysis of a $sCO_2$ power plant for waste heat recovery in steel industry. *Energy Reports,* Volume 6, pp. 298-304.

BP plc, 2022. *Energy Outlook 2022 Edition,* London: BP plc.

Brilian, V. A., Akbar, F. M. & Saputra, R. W., 2022. *Techno-Economic Study of Separated Brine Heat Recovery Using Bottoming Organic Rankine Cycle in Lumut Balai Geothermal Power Plant, Indonesia.* Stanford, Stanford University, pp. 1-8.

Cabeza, L. F., de Gracia, A., Fernández, A. I. & Farid, M. M., 2017. Supercritical $CO_2$ as heat transfer fluid: A review. *Applied Thermal Engineering,* Volume 125, pp. 799-810.

Cengel, Y. A., Boles, M. A. & Kanoğlu, M., 2019. *Thermodynamics: An Engineering Approach (9th Ed.).* New York: McGraw-Hill Education.

Chabbra, R. P. & Kreith, F., 2017. *CRC Handbook of Thermal Engineering.* Boca Raton: CRC Press.

Ciconkov, R., 2018. Refrigerants: There is still no vision for sustainable solutions. *International Journal of Refrigeration,* Volume 86, pp. 441-448.

Danieli, P., Rech, S. & Lazzaretto, A., 2019. Supercritical $CO_2$ and air Brayton-Joule versus ORC systems for heat recovery from glass furnaces: Performance and economic evaluation. *Energy,* Volume 168, pp. 295-309.

Di Maio, E., Iannace, S. & Mensitieri, G., 2021. Chapter 4 - Supercritical fluids. In: *Foaming with Supercritical Fluids.* Oxford: Elsevier, pp. 55-68.

DiPippo, R., 2016. *Geothermal Power Plants Principles, Applications, Case Studies, and Environmental Impact.*. Oxford: Elsevier.

Egilegor, B. et al., 2020. ETEKINA: Analysis of the potential for waste heat recovery in three sectors: Aluminium low pressure die casting, steel sector and ceramic tiles manufacturing sector. *International Journal of Thermofluids,* Volume 1-2, p. 100002.

Fergani, Z., Touil, D. & Morosuk, T., 2016. Multi-criteria exergy based optimization of an Organic Rankine Cycle for waste heat recovery in the cement industry. *Energy Conversion and Management,* Volume 112, pp. 81-90.

Formann, C., Muritala, I., Pardemann, R. & Meyer, B., 2016. Estimating the global waste heat potential. *Renewable Sustainable Energy Reviews,* Volume 1, pp. 1568-1579.

Forsthoffer, W. E., 2005. *Forsthoffer's Rotating Equipment Handbooks: Pumps.* Oxford: Elsevier .

Frick, S. et al., 2019. Making use of geothermal brine in Indonesia: binary demonstration power plant Lahendong/Pangolombian. *Geothermal Energy,* 7(30).

Ge, Y. T., Li, L., Luo, X. & Tassou, S. A., 2018. Performance evaluation of a low-grade power generation system with $CO_2$ transcritical power cycles. *Applied Energy,* Volume 227, pp. 220-230.

Giampaolo, T., 2010. *Compressor Handbook: Principles and Practice.* Lilburn: The Fairmont Press.

Gielen, D. et al., 2019. The role of renewable energy in the global energy transformation. *Energy Strategy Reviews,* pp. 38-50.

GTI, 2019. *10 MWe Supercritical Carbon Dioxide (sCO$_2$) Pilot Power Plant,* Des Plaines: Gas Turbine Institute.

Guo, J.-Q.et al., 2022. A systematic review of supercritical carbon dioxide (S-CO$_2$) power cycle for energy industries: Techologies key issues, and potential prospects. *Energy Conversion and Management,* Volume 258, p. 115437.

Habibollahzade, A. et al., 2022. Comparative thermoeconomic analysis of geothermal energy recovery via super/transcritical CO$_2$ and subcritical organic Rankine cycles. *Energy Conversion and Management,* Volume 251, p. 251.

Hadibi, T. et al., 2021. Economic analysis and drying kinetics of a geothermal-assisted solar dryer for tomato paste drying. *Journal of the Science of Food and Agriculture,* 101(15), pp. 6542-6551.

Hidayah, A. N., Putera, A. D. & Subiantoro, A., 2020. *Selection of Optimum Working Fluid and Cycle Configuration of Organic Rankine Cycle (ORC) as Bottoming Binary Cycle at Wayang Windu Geothermal Power Plant.* Stanford, Stanford University, pp. 1-14.

Hsieh, J.-C., Lai, C.-C. & Chen, Y.-H., 2022. Thermoeconomic analysis of a waste heat recovery system with fluctuating flue gas scenario. *Energy,* Volume 258, p. 124866.

Huttrer, G. W., 2021. *Geothermal Power Generation in the World 2015-2020 Update Report.* Reykjavik, International Geothermal Association, pp. 1-17.

Imran, M., Haglind, F., Asim, M. & Alvi, J. Z., 2018. Recent research trends in organic Rankine cycle technology: A bibliometric approach. *Renewable and Sustainable Energy Reviews,* Volume 81, pp. 552-562.

Incropera, F. P., DeWitt, D. P., Bergman, T. L. & Lavine, A. S., 2017. *Fundamentals of Heat and Mass Transfer (8th Ed.).* Hoboken: John Wiley & Sons, Inc..

IRENA, 2018. *Global Energy Transformation: A Roadmap to 2050,* Abu Dhabi: International Renewable Energy Agency.

IRENA, 2019. *Electrification with Renewables,* Abu Dhabi: International Renewable Energy Agency.

Ishaq, H., Dincer, I. & Naterer, G., 2018. Industrial heat recovery from a steel furnace for the cogeneration of electricity and hydrogen with the copper-chlorine cycle. *Energy Conversion and Management,* Volume 171, pp. 384-397.

Jouhara, H. et al., 2017. Experimental and theoretical investigation of a flat heat pipe heat exchanger for waste heat recovery in the steel industry. *Energy*, Volume 141, pp. 1928-1939.

Jouhara, H. et al., 2018. Waste heat recovery technologies and applications. *Thermal Science and Engineering Process*, Volume 6, pp. 268-289.

Júnior, E. P. B., Arrieta, M. D. P., Arrieta, F. R. P. & Silva, C. H. F., 2019. Assessment of a Kalina cycle for waste heat recovery in the cement industry. *Applied Thermal Engineering*, Volume 147, pp. 421-437.

Kaczmarczyk, T. Z., 2021. Experimental research of a small biomass organic Rankine cycle plant with multiple scroll expanders intended for domestic use. *Energy Conversion and Management*, Volume 244, p. 114437.

Kajurek, J. et al., 2019. Selection of refrigerants for a modified organic Rankine cycle. *Energy*, Volume 168, pp. 1-8.

KESDM, 2022. *The Strategy of the Government in Optimizing Domestic Renewable Energy to Support Energy Transition*, Jakarta: Kementerian Energi dan Sumber Daya Mineral Republik Indonesia.

Khatita, M. A., Ahmed, T. S., Ashour, F. H. & Ismail, I. M., 2014. Power generation using waste heat recovery by organic Rankine cycle in oil and gas sector in Egypt: A case study. *Energy*, Volume 64, pp. 462-472.

Konstantin, P. & Konstantin, M., 2018. *Power and Energy Systems Engineering Economics: Best Practice Manual*. Cham: Springer International Publishing AG.

Lee, I., Tester, W. & You, F., 2019. Systems analysis, design, and optimization of geothermal energy systems for power production and polygeneration: State-of-the-art and future challenges. *Renewable and Sustainable Energy Review*, Volume 109, pp. 551-577.

Lemmens, S., 2016. Cost Engineering Techniques and Their Applicability for Cost Estimation of Organic Rankine Cycle Systems. *Energies*, 9(7).

Li, L., Ge, Y. T., Luo, X. & Tassou, S. A., 2018. Experimental analysis and comparison between $CO_2$ transcritical power cycles and R245fa organic Rankine cycles for low-grade heat power generations. *Applied Thermal Engineering*, Volume 136, pp. 708-717.

Lin, W., Nilsson, L. & Malutta, R., 2017. *Waste Heat Recovery by Organic Rankine Cycle (ORC) for Moist Exhaust Gases from Paper Industry*. Tampa, American Society of Mechanical Engineers, pp. 3-9.

Li, P., 2017. Thermodynamic analysis of waste heat recovery of molten blast furnace slag. *International Journal of Hydrogen Energy*, Volume 42, pp. 9688-9695.

Liu, B. et al., 2022. Thermal-hydraulic performance analysis of printed circuit heat exchanger precooler in the Brayton cycle for supercritical $CO_2$ waste heat recovery. *Applied Energy,* Volume 305, p. 117923.

Liu, L., Yang, Q. & Cui, G., 2020. Supercritical Carbon Dioxide (s-$CO_2$) Power Cycle for Waste Heat Recovery: A Review from Thermodynamic Perspective. *Processes,* 8(11), p. 1461.

Liu, M., Zhang, X., Ma, Y. & Yan, J., 2018. Thermo-economic analyses on a new conceptual system of waste heat recovery integrated with an S-$CO_2$ cycle for coal-fired power plants. *Energy Conversion and Management,* Volume 161, pp. 243-253.

Lizarte, R., Palacios-Lorenzo, M. E. & Marcos, J. D., 2017. Parametric study of a novel organic Rankine cycle combined with a cascade refrigeration cycle (ORC-CRS) using natural refrigerants. *Applied Thermal Engineering,* Volume 127, pp. 378-389.

Li, Z. et al., 2014. Design of a flat glass furnace waste heat power generation system. *Applied Thermal Engineering,* 63(1), pp. 290-296.

Longo, G. A. et al., 2020. Assessment of the low-GWP refrigerants R600a, R1234ze(Z) and R1233zd(E) for heat pump and organic Rankine cycle applications. *Applied Thermal Engineering,* Volume 167, p. 114804.

Lovegrove, K. & Pye, J., 2020. Fundamental principles of concentrating solar power systems. In: *Concentrating Solar Power Technology: Principles, Developments, and Applications (2nd Ed.).* Cambridge: Woodhead Publishing, pp. 19-70.

Lund, J. W., Huttrer, G. W. & Toth, A. N., 2022. Characteristics and trends in geothermal development and use, 1995 to 2020. *Geothermics,* Volume 105, p. 102522.

Magro, F. D., Savino, S., Meneghetti, A. & Nardin, G., 2017. Coupling waste heat extraction by phase change materials with superheated steam generation in the steel industry. *Energy,* Volume 137, pp. 1107-1118.

Ma, H. et al., 2017. Assessment of the optimum operation conditions on a heat pipe heat exchanger for waste heat recovery in steel industry. *Renewable and Sustainable Energy Reviews,* Volume 79, pp. 50-60.

Man, Y., Li, J., Hong, M. & Han, Y., 2020. Energy transition for the low-carbon pulp and paper industry in China. *Renewable and Sustainable Energy Reviews,* Volume 131, p. 109998.

Marchionni, M., Chai, L., Bianchi, G. & Tassou, S. A., 2019. Numerical modelling and transient analysis of a printed circuit heat exchanger used as recuperator for supercritical $CO_2$ heat to power conversion systems. *Applied Thermal Engineering,* Volume 161, p. 114190.

Marion, J. et al., 2019. *The STEP 10 MWe $sCO_2$ Pilot Plant Demonstration.* Phoenix, American Society of Mechanical Engineers, pp. 1-8.

Mirhosseini, M., Rezania, A. & Rosendahl, L., 2019. Power optimization and economic evaluation of thermoelectric waste heat recovery system around a rotary cement kiln. *Journal of Cleaner Production,* Volume 232, pp. 1321-1334.

Napitu, A., 2019. A study of brine supply system to binary cycle unit at Namora I Langit Geothermal power plant. *IOP Conference Series: Earth and Environmental Science,* Volume 254, p. 012013.

Naseri, A., Moradi, R., Norris, S. & Subiantoro, A., 2022. Experimental investigation of a revolving vane expander in a micro-scale organic Rankine cycle system for low-grade waste heat recovery. *Energy,* Volume 253, p. 124174.

Ng, C., Tam, I. C. K. & Wu, D., 2020. Thermo-Economic Performance of an Organic Rankine Cycle System Recovering Waste Heat Onboard an Offshore Service Vessel. *Journal of Marine Science and Engineering,* 8(5), p. 351.

Noroozian, A., Mohammadi, A., Bidi, M. & Ahmadi Mohammad, H., 2017. Energy, exergy and economic analyses of a novel system to recover waste heat and water in steam power plants. *Energy Conversion and Management,* Volume 144, pp. 351-360.

Nugraha, Y. A. & Hidayat, R., 2021. *Success Story of Scaling Silica Treatment in Brine ORC (Study Case Sorik Marapi Geothermal Field).* Jakarta, Indonesian Geothermal Association, pp. 1-5.

Oh, J., Park, Y. & Lee, H., 2022. Development of a fully deterministic simulation model for organic Rankine cycle operating under off-design conditions. *Applied Energy,* Volume 307, p. 118149.

Pambudi, N. A. et al., 2015. Preliminary analysis of single flash combined with binary system using thermodynamic assessment: a case study of Dieng geothermal power plant. *International Journal of Sustainable Engineering,* 8(4-5), pp. 258-267.

Pan, L., Li, B., Wei, X. & Li, T., 2016. Experimental investigation on the $CO_2$ transcritical power cycle. *Energy,* Volume 95, pp. 247-254.

Parikh, V. & Deshmukh, D., 2021. A comprehensive review of waste heat recovery from a diesel engine using organic rankine cycle. *Energy Reports,* Volume 7, pp. 3951-3970.

Ping, X. et al., 2021. Prediction and optimization of power output of single screw expander in organic Rankine cycle (ORC) for diesel engine waste heat recovery. *Applied Thermal Engineering,* Volume 182, p. 116048.

Ping, X., Yao, B., Zhang, H. & Yang, F., 2021. Thermodynamic, economic, and environmental analysis and multi-objective optimization of a dual loop organic Rankine cycle for CNG engine waste heat recovery. *Applied Thermal Engineering,* Volume 193, p. 116980.

Prananto, L. A. et al., 2018. Use of the Kalina cycle as a bottoming cycle in a geothermal power plant: Case study of the Wayang Windu geothermal power plant. *Applied Thermal Engineering,* Volume 132, pp. 686-696.

PT PLN (Persero), 2021. *Rencana Usaha Penyediaan Tenaga Listrik (RUPTL) 2021-2030,* Jakarta: PT PLN (Persero).

Pumaneratkul, C. et al., 2017. Supercritical $CO_2$ Rankine cycle system with low-temperature geothermal heat pipe. *Energy Procedia,* Volume 105, pp. 1029-1036.

Purba, D. et al., 2021. *Drilling Infrastructure Construction Challenges in Geothermal Exploration Project in Eastern Indonesia.* Reykjavik, s.n., pp. 1-14.

Rachmat, A., Nasruddin, Wibowo, A. S. & Surachman, A., 2018. Exergoeconomic analysis and optimization of a combined double flash – binary cycle for Ulubelu geothermal power plant in Indonesia. *IOP Conference Series: Earth and Environmental Science,* Volume 105, p. 012087.

Rad, E. A. & Mohammadi, S., 2018. Energetic and exergetic optimized Rankine cycle for waste heat recovery in a cement factory. *Applied Thermal Engineering,* Volume 132, pp. 410-422.

Rakib, M. I., Saidur, R., Mohamad, N. E. & Afifi, M. A., 2017. Waste-heat utilization – The sustainable technologies to minimize energy consumption in Bangladesh textile sector. *Journal of Cleaner Production,* Volume 142, pp. 1867-1876.

Richter, A., 2020. *ThinkGeoEnergy is proud to present its new "Global Geothermal Power Plant Map", showing the geothermal power plants of this world all the way down to their cooling towers and buildings*, https://www.thinkgeoenergy.com/thinkgeoenergy-global-geothermal-power-plant-map-updated, online
accessed at 22 September 2022.

Saghafifar, M. et al., 2019. Review of unconventional bottoming cycles for waste heat recovery: Part I - Analysis, design, and optimization. *Energy Conversion and Management,* Volume 198, p. 110905.

Schifflechner, C. et al., 2020. Thermodynamic comparison of direct supercritical $CO_2$ and indirect brine-ORC concepts for geothermal combined heat and power generation. *Renewable Energy,* Volume 161, pp. 1292-1302.

Shi, L. et al., 2017. Experimental comparison between four $CO_2$-based transcritical Rankine cycle (CTRC) systems for engine waste heat recovery. *Energy Conversion and Management,* Volume 150, pp. 159-171.

Simeone, A. et al., 2016. A decision support system for waste heat recovery in manufacturing. *CIRP Annals,* 65(1), pp. 21-24.

Song, J., Li, Y., Gu, C.-w. & Zhang, L., 2014. Thermodynamic analysis and performance optimization of an ORC (Organic Rankine Cycle) system for multi-strand waste heat sources in petroleum refining industry. *Energy,* Volume 71, pp. 673-680.

Song, J. et al., 2021. Combined supercritical $CO_2$ ($SCO_2$) cycle and organic Rankine cycle (ORC) system for hybrid solar and geothermal power generation: Thermoeconomic assessment of various configurations. *Renewable Energy,* Volume 174, pp. 1020-1035.

Sridharan, M., 2020. Predicting Performance of Double-Pipe Parallel- and Counter-Flow Heat Exchanger Using Fuzzy Logic. *Journal of Thermal Science and Engineering Applications,* 12(3), p. 031006.

Sullivan, W. G., Wicks, E. M. & Koelling, P. C., 2018. *Engineering Economy (17th Ed.).* New Jersey: Pearson Education.

Su, Z. et al., 2021. Opportunities and strategies for multigrade waste heat utilization in various industries: A recent review. *Energy Conversion and Management,* Volume 229, p. 113769.

Tian, Z. et al., 2021. Energy, exergy, and economic (3E) analysis of an organic Rankine cycle using zeotropic mixtures based on marine engine waste heat and LNG cold energy. *Energy Conversion and Management,* Volume 228, p. 113657.

Toffolo, A., Lazzaretto, A., Manente, G. & Paci, M., 2014. A multi-criteria approach for the optimal selection of working fluid and design parameters in Organic Rankine Cycle systems. *Applied Energy,* Volume 121, pp. 219-232.

Toselli, D., Heberle, F. & Brüggemann, D., 2019. Techno-Economic Analysis of Hybrid Binary Cycles with Geothermal Energy and Biogas Waste Heat Recovery. *Energies,* 12(10), p. 1969.

TU Dresden, 2019. *Supercritical carbon dioxide ($sCO_2$) - How does it look like?* https://www.youtube.com/watch?v=GemthMqZ84s&t=17s, online accessed at 30 September 2022.

U.S. Department of Energy, 2015. *Quadrennial Technology Review,* Washington, D.C.: U.S. Department of Energy.

Ueyama, A., 2019. *Basics of Thermo-Fluid Analysis 16: Compressibility and Incompressibility.* Osaka: Hexagon.

United Nations, 2021. *Theme Report on Energy Transition Towards the Achievement of SDG 7 and Net-Zero Emissions,* New York: United Nations.

Ustaoglu, A., Alptekin, M. & Akay, M. E., 2017. Thermal and exergetic approach to wet type rotary kiln process and evaluation of waste heat powered ORC (Organic Rankine Cycle). *Applied Thermal Engineering,* Volume 112, pp. 281-295.

Valencia, G., Duarte, J. & Isaza-Roldan, C., 2019. Thermoeconomic Analysis of Different Exhaust Waste-Heat Recovery Systems for Natural Gas Engine Based on ORC. *Applied Sciences,* 9(19), p. 4017.

van Heule, X., De Paepe, M. & Lecompte, S., 2022. Two-Phase Volumetric Expanders: A Review of the State-of-the-Art. *Energies,* Volume 15, p. 4991.

Varga, Z. & Csaba, T., 2018. Techno-economic evaluation of waste heat recovery by organic Rankine cycle using pure light hydrocarbons and their mixtures as working fluid in a crude oil refinery. *Energy Conversion and Management,* Volume 174, pp. 793-801.

Volk, M., 2014. *Pump Characteristics and Applications (3rd Ed.).* Boca Raton: Taylor & Francis Group.

Wakana, F., 2013. *Preliminary Study of Binary Power Plant Feasibility Comparing ORC and Kalina for Low-Temperature Resources in Rusizi Valley, Burundi,* Reykjavik: Geothermal Training Programme - United Nations University.

Wang, B., Shen, J., Cheng, J. & Wang, Y., 2022. Numerical Improvement Using Flow and Heat Transfer Calculations of the Zigzag Geometry for Carbon Dioxide PCHEs. *Energies,* 15(8), p. 2831.

Wang, C. et al., 2014. Thermodynamic analysis of a low-pressure economizer based waste heat recovery system for a coal-fired power plant. *Energy,* Volume 65, pp. 80-90.

Wang, E., Peng, N. & Zhang, M., 2021. System design and application of supercritical and transcritical $CO_2$ power cycles: A review. *Frontiers in Energy Research,* Volume 9, p. 723875.

Wei, J. et al., 2020. Overview of the Development and Application of the Twin Screw Expander. *Energies,* 13(24), p. 6586.

White, M. T. et al., 2021. Review of supercritical $CO_2$ technologies and systems for power generation. *Applied Thermal Engineering,* Volume 185, p. 116447.

Wieland, C., Dawo, F., Schifflechner, C. & Astolfi, M., 2021. *Market report on Organic Rankine Cycle power systems: recent developments and outlook.* Munich, Technical University of Munich, pp. 1-10.

Winofa, N. C. et al., 2019. *The Application of Numerical Simulation Result for Geothermal Financial Model with Probablistic Approach: A Comprehensive Study.* Jakarta, Indonesian Geothermal Association.

Xu, W. et al., 2021. Is zeotropic working fluid a promising option for organic Rankine cycle: A quantitative evaluation based on literature data. *Renewable and Sustainable Energy Reviews,* Volume 148, p. 111267.

Yağlı, H., Koç, Y. & Kalay, H., 2021. Optimisation and exergy analysis of an organic Rankine cycle (ORC) used as a bottoming cycle in a cogeneration system producing steam and power. *Sustainable Energy Technologies and Assessments,* Volume 44, p. 100985.

Yan, C. et al., 2019. Advanced exergy analysis of organic Rankine Cycles for Fischer-Tropsch syngas production with parallel dry and steam methane reforming. *Energy Conversion and Management,* Volume 199, p. 111963.

Yang, H. et al., 2020. Performance analysis of an Organic Rankine Cycle system using evaporative condenser for sewage heat recovery in the petrochemical industry. *Energy Conversion and Management,* Volume 2015, p. 112402.

Yazawa, K., Shakouri, A. & Hendricks, T. J., 2017. Thermoelectric heat recovery from glass melt processes. *Energy,* Volume 118, pp. 1035-1043.

Yetilmezsoy, K., Ilhan, F., Kocak, E. & Akbin, H. M., 2017. Feasibility of struvite recovery process for fertilizer industry: A study of financial and economic analysis. *Journal of Cleaner Production,* Volume 152, pp. 88-102.

Yu, H., Feng, X. & Wang, Y., 2016. Working Fluid Selection for Organic Rankine Cycle (ORC) Considering the Characteristics of Waste Heat Sources. *Industrial & Engineering Chemistry Research,* 55(5), pp. 1309-1321.

Zhang, L., Chennells, M. & Xia, X., 2018. A power dispatch model for a ferrochrome plant heat recovery cogeneration system. *Applied Energy,* Volume 227, pp. 180-189.

Zhang, Q. et al., 2017. Waste energy recovery and energy efficiency improvement in China's iron and steel industry. *Applied Energy,* Volume 191, pp. 502-520.

Zhang, S., Xu, X., Liu, C. & Dang, C., 2020. A review on application and heat transfer enhancement of supercritical $CO_2$ in low-grade heat conversion. *Applied Energy,* Volume 269, p. 114962.

Zhang, Z. et al., 2015. Thermodynamic analysis and optimization of an air Brayton cycle for recovering waste heat of blast furnace slag. *Applied Thermal Engineering,* Volume 90, pp. 742-748.

Zhao, Y. et al., 2019. Expansion devices for organic Rankine cycle (ORC) using in low temperature heat recovery: A review. *Energy Conversion and Management,* Volume 199, p. 111944.

Ziółkowski, P., Kowalczyk, T., Kornet, S. & Badur, J., 2017. On low-grade waste heat utilization from a supercritical steam power plant using an ORC-

bottoming cycle coupled with two sources of heat. *Energy Conversion and Management*, pp. 158-173.

Ziviani, D. et al., 2018. Experimental and numerical analyses of a 5 kWe oil-free open-drive scroll expander for small-scale organic Rankine cycle (ORC) applications. *Applied Energy*, Volume 230, pp. 1140-1156.