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1. VIDOZA, JORGE A. ; ANDREASEN, JESPER GRAA ; HAGLIND, FREDRIK ; DOS REIS, MAX M.L. ; **GALLO, WALDYR** . Design and optimization of power hubs for Brazilian off-shore oil production units. ENERGY, v. 176, p. 656-666, 2019.
2. RUFINO, CAIO H. ; DE LIMA, ALESSANDRO J.T.B. ; MATTOS, ANA P. ; ALLAH, FAZAL U.M. ; BERNAL, JAIR L.L. ; FERREIRA, JANITO V. ; **GALLO, WALDYR L.R.** . Exergetic analysis of a spark ignition engine fuelled with ethanol. ENERGY CONVERSION AND MANAGEMENT, v. 192, p. 20-29, 2019.
3. DA SILVA NETO, JORGE VINICIUS ; **GALLO, WALDYR L. R.** ; NOUR, EDSON APARECIDO ABDUL . Production and use of biogas from vinasse: Implications for the energy balance and GHG emissions of sugar cane ethanol in the brazilian context. Environmental Progress & Sustainable Energy , v. 1, p. 1-11, 2019.
4. REIS, MAX MAURO L. ; GUILLEN, JORGE ALEJANDRO V. ; **GALLO, WALDYR L.R.** . Off-design performance analysis and optimization of the power production by an organic Rankine cycle coupled with a gas turbine in an offshore oil platform. ENERGY CONVERSION AND MANAGEMENT, v. 196, p. 1037-1050, 2019.
5. CASTRO VERDEZOTO, PEDRO L. ; VIDOZA, JORGE A. ; **GALLO, WALDYR L.R.** . Analysis and projection of energy consumption in Ecuador: Energy efficiency policies in the transportation sector. ENERGY POLICY, v. 134, p. 110948, 2019.
6. MATTOS, ANA PAULA ; **GALLO, WALDYR LUIZ RIBEIRO** . A Study of the Influence of the Intercooled Turbocharger and Cooled EGR on the Performance Parameters of an Ethanol-fueled Engine. International Journal of Thermodynamics, v. 22, p. 149-157, 2019.
7. LIMA, ALESSANDRO JOSÉ TRUTA BESERRA ; **GALLO, WALDYR LUIZ RIBEIRO** . Chemical kinetics analysis of NO and CO formation based on thermodynamic data from an ethanol-fueled engine computational model. Brazilian Journal of Development, v. 5, p. 12607-12622, 2019.
8. RUFINO, C. H. ; LIMA, A. J. T. B. ; MATTOS, A. P. ; FERREIRA, J. V. ; **GALLO, WALDYR L. R.** . Effects of combustion products composition models on the exergetic analysis of spark-ignition engine fuelled with ethanol. Archives of Thermodynamics, v. 40, p. 27-42, 2019.
9. REIS, MAX MAURO L. ; **GALLO, WALDYR L.R.** . Study of waste heat recovery potential and optimization of the power production by an organic Rankine cycle in an FPSO unit. ENERGY CONVERSION AND MANAGEMENT, v. 157, p. 409-422, 2018.
10. ESPIRITO SANTO, D. B. ; **GALLO, W. L. R.** . Utilizing primary energy savings and exergy destruction to compare centralized thermal plants and cogeneration/trigeneration systems. ENERGY, v. 120, p. 785-795, 2017.
11. **GALLO, WALDYR L.R.**; GALLEGO, ANTONIO G. ; ACEVEDO, VICTOR L. ; DIAS, RODRIGO ; ORTIZ, HAMILTON Y. ; VALENTE, BRUNO A. . Exergy analysis of the compression systems and its prime movers for a FPSO unit. Journal of Natural Gas Science and Engineering , v. 44, p. 287-298, 2017.
12. NUNES, PAULO GUSTAVO KREJCI ; **GALLO, WALDYR LUIZ RIBEIRO** . Validation of a phenomenological model and investigations of effects of injection timing in four-stroke direct-injection diesel engine performance. Journal of the Brazilian Society of Mechanical Sciences and Engineering, v. 1, p. 1-3719, 2017.

13. Vidoza, J.A. ; [GALLO, W. L. R.](#) . Projection of fossil fuels consumption in the Venezuelan electricity generation industry. ENERGY, v. 104, p. 237-249, 2016.
14. de Sanctis, C. M. ; [GALLO, W. L. R.](#) . Load control in spark-ignited engines possibilities: early or late intake valve closure. SAE Technical Paper Series, v. 1, p. 1-10, 2015.