A comparison of linear and nonlinear programming for the optimization of ship machinery systems
Research output: Contribution to conference › Paper – Annual report year: 2019 › Research › peer-review

Application of the group contribution volume translated Peng-Robinson equation of state to new commercial refrigerant mixtures
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

A review of heat transfer enhancement techniques in plate heat exchangers
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

Assessment of methods for performance comparison of pure and zeotropic working fluids for organic Rankine cycle power systems
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

Condensation heat transfer and pressure drop characteristics of R134a, R1234ze(E), R245fa and R1233zd(E) in a plate heat exchanger
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

Design and optimization of power hubs for Brazilian off-shore oil production units
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

Design of header and coil steam generators for concentrating solar power applications accounting for low-cycle fatigue requirements
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

Dynamic performance and stress analysis of the steam generator of parabolic trough solar power plants
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

General heat transfer correlations for flow boiling of zeotropic mixtures in horizontal plain tubes
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

Technical and economic feasibility of organic Rankine cycle-based waste heat recovery systems on feeder ships: Impact of nitrogen oxides emission abatement technologies
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review
Multi-objective optimization of organic Rankine cycle power systems for waste heat recovery on heavy-duty vehicles
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2018 › Research › peer-review

On the prediction of thermophysical properties of innovative fluids
Research output: Contribution to conference › Poster – Annual report year: 2018 › Research › peer-review

Optimal start-up operating strategies for gas-boosted parabolic trough solar power plants
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Optimization of organic Rankine cycle power systems considering multistage axial turbine design
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Prediction of the annual performance of marine organic Rankine cycle power systems
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2018 › Research › peer-review

Recent research trends in organic Rankine cycle technology: A bibliometric approach
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

A Comparison of Organic and Steam Rankine Cycle Power Systems for Waste Heat Recovery on Large Ships
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

A review of recent research on the use of zeotropic mixtures in power generation systems
Research output: Contribution to journal › Review – Annual report year: 2017 › Research › peer-review

A review of solar energy based heat and power generation systems
Research output: Contribution to journal › Review – Annual report year: 2016 › Research › peer-review

Corrigendum to "Flow boiling heat transfer and pressure drop characteristics of R134a, R1234yf and R1234ze in a plate heat exchanger for organic Rankine cycle units". [Int. J. Heat Mass Transfer 108 (2017) 1787–1801]
Research output: Contribution to journal › Comment/debate – Annual report year: 2017 › Research › peer-review
Factors affecting the thermophysical properties of nanofluids
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2018 › Research › peer-review

Flow boiling heat transfer and pressure drop characteristics of R134a, R1234yf and R1234ze in a plate heat exchanger for organic Rankine cycle units
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Integrated working fluid-thermodynamic cycle design of organic Rankine cycle power systems for waste heat recovery
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Optimization of a flexible multi-generation system based on wood chip gasification and methanol production
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Performance analysis of different organic Rankine cycle configurations on board liquefied natural gas-fuelled vessels
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2017 › Research › peer-review

Prediction of properties of new halogenated olefins using two group contribution approaches
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Prospects of the use of nanofluids as working fluids for organic Rankine cycle power systems
Research output: Contribution to journal › Conference article – Annual report year: 2017 › Research › peer-review

Selection of cooling fluid for an organic Rankine cycle unit recovering heat on a container ship sailing in the Arctic region
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Optimization of Cycle and Expander Design of an Organic Rankine Cycle Unit using Multi-Component Working Fluids

Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2016 › Research › peer-review

THERMCYC – Advanced Thermodynamic Cycles Utilizing Low Temperature Heat Sources

Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2016 › Research › peer-review

Thermoeconomic optimization of a Kalina cycle for a central receiver concentrating solar power plant

Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Working fluid selection for organic Rankine cycles - Impact of uncertainty of fluid properties

Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Analysis of hot spots in boilers of organic Rankine cycle units during transient operation

Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Design optimization of a novel organic Rankine cycle with improved boiling process

Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Design of organic Rankine cycle power systems accounting for expander performance

Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

Design of organic Rankine cycles using a non-conventional optimization approach

Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

Design optimization of a polygeneration plant producing power, heat, and lignocellulosic ethanol

Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review
Development of a model for the prediction of the fuel consumption and nitrogen oxides emission trade-off for large ships
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Economic optimization of a Kalina cycle for a parabolic trough solar thermal power plant
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

Micro-scale organic Rankine cycle units for industrial waste heat recovery
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2015 › Research › peer-review

Multi-objective optimization of organic Rankine cycle power plants using pure and mixed working fluids
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

Part-load performance of a high temperature Kalina cycle
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Performance analysis of solar driven organic Rankine cycle using multi-component working fluids
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

Thermodynamic optimisation and analysis of four Kalina cycle layouts for high temperature applications
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

A comparison of advanced heat recovery power cycles in a combined cycle for large ships
Research output: Contribution to journal › Conference article – Annual report year: 2014 › Research › peer-review

Application of unscented Kalman filter for condition monitoring of an organic Rankine cycle turbogenerator
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

Design and modeling of an advanced marine machinery system including waste heat recovery and removal of sulphur oxides
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Design and optimization of air bottoming cycles for waste heat recovery in off-shore platforms
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review
Design methodology for flexible energy conversion systems accounting for dynamic performance
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Design optimization of flexible biomass-processing polygeneration plants using characteristic operation periods
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

DNA - An integrated open-source optimization platform for thermo-fluid systems
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

Dynamic performance of a combined gas turbine and air bottoming cycle plant for off-shore applications
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

Dynamic performance of power generation systems for off-shore oil and gas platforms
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

Energy and exergy analysis of the Kalina cycle for use in concentrated solar power plants with direct steam generation
Research output: Contribution to journal › Conference article – Annual report year: 2014 › Research › peer-review

Exergy analysis of a combined heat and power plant with integrated lignocellulosic ethanol production
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Feasibility of using ammonia-water mixture in high temperature concentrated solar power plants with direct vapour generation
Research output: Contribution to journal › Conference article – Annual report year: 2014 › Research › peer-review

Multiple regression models for the prediction of the maximum obtainable thermal efficiency of organic Rankine cycles
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Optimal design of compact organic Rankine cycle units for domestic solar applications
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Optimisation of a Kalina cycle for a central receiver solar thermal power plant with direct steam generation
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review
Part-Load Performance of a Wet Indirectly Fired Gas Turbine Integrated with an Organic Rankine Cycle Turbogenerator
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Performance analysis of a Kalina cycle for a central receiver solar thermal power plant with direct steam generation
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Performance of ORC turbogenerators using zeotropic mixtures
Research output: Contribution to conference › Poster – Annual report year: 2014 › Research

Selection and optimization of pure and mixed working fluids for low grade heat utilization using organic Rankine cycles
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

System analysis and optimisation of a Kalina split-cycle for waste heat recovery on large marine diesel engines
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Thermodynamic evaluation of the Kalina split-cycle concepts for waste heat recovery applications
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Utilization of low temperature heat for environmentally friendly electricity production
Research output: Contribution to conference › Poster – Annual report year: 2014 › Research › peer-review

Utilization of low temperature heat for environmentally friendly electricity production
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2014 › Research › peer-review

Utilization of low-temperature heat sources for heat and power production
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2014 › Research › peer-review

Waste heat recovery technologies for offshore platforms
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

A comparison of advanced heat recovery power cycles in a combined cycle for large ships
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2013 › Research › peer-review

Design and modeling of an advanced marine machinery system including waste heat recovery and removal of sulphur oxides
Variable geometry gas turbines for improving the part-load performance of marine combined cycles - Gas turbine performance
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Methodologies for predicting the part-load performance of aero-derivative gas turbines
Research output: Contribution to journal › Journal article – Annual report year: 2009 › Research › peer-review

A review on the use of gas and steam turbine combined cycles as prime movers for large ships, Part I: Background and design
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Research › peer-review

A review on the use of gas and steam turbine combined cycles as prime movers for large ships, Part III: Fuels and emissions
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Research › peer-review

A review on the use of gas and steam turbine combined cycles as prime movers for large ships, Part II: Previous work and implications
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Research › peer-review

Potential of lowering the contrail formation of aircraft exhausts by engine re-design
Haglind, F., 2008, In : Aerospace Science and Technology. 12, 6, p. 490-497
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Research › peer-review

Design of an Air-Launched Tactical Missile for Three Different Propulsion Systems: ATR, Rocket and Turbojet
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2007 › Research › peer-review

Design of a Solid Propellant Air Turbo Rocket for a Tactical Air-Launched Missile
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2007 › Research › peer-review

Design of Aero Gas Turbines Using Hydrogen
Research output: Contribution to journal › Journal article – Annual report year: 2006 › Research › peer-review

Design of Air-Launched Tactical Missile Concepts for Three Different Propulsion Systems: Air Turbo Rocket, Rocket and Turbojet
Research output: Book/Report › Report – Annual report year: 2006 › Research › peer-review

Potential of reducing the environmental impact of aviation by using hydrogen Part I: Background, prospects and challenges
Research output: Contribution to journal › Journal article – Annual report year: 2006 › Research › peer-review