

CITATION REPORT

List of articles citing

An examination of regenerative organic Rankine cycles using dry fluids

DOI: 10.1016/j.applthermaleng.2007.06.025
Applied Thermal Engineering, 2008, 28, 998-1007.

Source: <https://exaly.com/paper-pdf/43492418/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
429	An examination of exergy destruction in organic Rankine cycles. <i>International Journal of Energy Research</i> , 2008 , 32, 926-938	4.5	97
428	Exergy analysis of a combined engine-organic Rankine cycle configuration. 2008 , 222, 761-770		15
427	Theoretical and experimental investigation of an organic Rankine cycle for a waste heat recovery system. 2009 , 223, 523-533		51
426	A study on performance of solid oxide fuel cell-organic Rankine cycle combined system. <i>International Journal of Energy Research</i> , 2009 , 33, 553-564	4.5	72
425	Fluid selection for a low-temperature solar organic Rankine cycle. <i>Applied Thermal Engineering</i> , 2009 , 29, 2468-2476	5.8	585
424	Process integration of organic Rankine cycle. <i>Energy</i> , 2009 , 34, 1674-1686	7.9	243
423	Alternative ORC bottoming cycles FOR combined cycle power plants. 2009 , 86, 2162-2170		224
422	Analysis of low temperature solar thermal electric generation using regenerative Organic Rankine Cycle. <i>Applied Thermal Engineering</i> , 2010 , 30, 998-1004	5.8	157
421	Exergy based fluid selection for a geothermal Organic Rankine Cycle for combined heat and power generation. <i>Applied Thermal Engineering</i> , 2010 , 30, 1326-1332	5.8	246
420	Power generation from residual industrial heat. <i>Energy Conversion and Management</i> , 2010 , 51, 2220-2229	10.6	79
419	Utilization of waste heat from GT-MHR for power generation in organic Rankine cycles. <i>Applied Thermal Engineering</i> , 2010 , 30, 366-375	5.8	66
418	Working fluids for low-temperature heat source. <i>Applied Thermal Engineering</i> , 2010 , 30, 1262-1268	5.8	217
417	Exergetic analysis of various types of geothermal power plants. 2010 , 35, 112-121		285
416	Combined solar organic Rankine cycle with reverse osmosis desalination process: Energy, exergy, and cost evaluations. 2010 , 35, 2571-2580		185
415	A review of thermodynamic cycles and working fluids for the conversion of low-grade heat. 2010 , 14, 3059-3067		935
414	Analysis and optimization of the use of CHP/ORC systems for small commercial buildings. 2010 , 42, 1491-1498		65
413	A comparative study of pure and zeotropic mixtures in low-temperature solar Rankine cycle. 2010 , 87, 3366-3373		170

412	On the systematic design and selection of optimal working fluids for Organic Rankine Cycles. <i>Applied Thermal Engineering</i> , 2010 , 30, 760-769	5.8	304
411	A thermodynamic criterion for selection of working fluid for subcritical and supercritical domestic micro CHP. <i>Applied Thermal Engineering</i> , 2010 , 30, 2357-2362	5.8	141
410	Internal Combustion Engine (ICE) bottoming with Organic Rankine Cycles (ORCs). <i>Energy</i> , 2010 , 35, 1084-1093	7.9	309
409	Analysis of exhaust waste heat recovery from a dual fuel low temperature combustion engine using an Organic Rankine Cycle. <i>Energy</i> , 2010 , 35, 2387-2399	7.9	199
408	Parametric optimization and performance analysis of a waste heat recovery system using Organic Rankine Cycle. <i>Energy</i> , 2010 , 35, 5049-5062	7.9	219
407	Integrated Biomass Gasification Small-Scale Combined Cycle Distributed Generation Plant With Microturbine and ORC. 2010 ,		
406	Recheur on Solar-Low Temperature Waste Heat Electric Power Generation System. 2010 , 171-172, 512-517		
405	Converting Low-Grade Heat Into Power Using a Supercritical Rankine Cycle With Zeotropic Mixture Working Fluid. 2010 ,		1
404	Parametric Optimization and Performance Analysis of a Regenerative Organic Rankine Cycle Using Low-Grade Waste Heat for Power Generation. 2011 , 8, 173-196		26
403	Numerical optimization of an injection volumetric expander for use in waste heat recovery organic Rankine cycle. 2011 , 375-383		1
402	A novel auto-cascade low-temperature solar Rankine cycle system for power generation. 2011 , 85, 2710-2719		47
401	Analysis of a 50kW organic Rankine cycle system. <i>Energy</i> , 2011 , 36, 5877-5885	7.9	94
400	Power production from a moderate temperature geothermal resource with regenerative Organic Rankine Cycles. 2011 , 15, 411-419		54
399	Integrated biomass gasification combined cycle distributed generation plant with reciprocating gas engine and ORC. <i>Applied Thermal Engineering</i> , 2011 , 31, 2829-2840	5.8	63
398	Thermo-economic optimization of waste heat recovery Organic Rankine Cycles. <i>Applied Thermal Engineering</i> , 2011 , 31, 2885-2893	5.8	477
397	ANN based optimization of supercritical ORC-Binary geothermal power plant: Simav case study. <i>Applied Thermal Engineering</i> , 2011 , 31, 3922-3928	5.8	75
396	A biomass-fired micro-scale CHP system with organic Rankine cycle (ORC) thermodynamic modelling studies. 2011 , 35, 3985-3994		126
395	A thermodynamic study of waste heat recovery from GT-MHR using organic Rankine cycles. 2011 , 47, 181-196		57

394	Study of working fluid selection of organic Rankine cycle (ORC) for engine waste heat recovery. <i>Energy</i> , 2011 , 36, 3406-3418	7.9	474
393	Performance analysis of an Organic Rankine Cycle with superheating under different heat source temperature conditions. 2011 , 88, 2995-3004		171
392	Operation optimization of an organic rankine cycle (ORC) heat recovery power plant. <i>Applied Thermal Engineering</i> , 2011 , 31, 2032-2041	5.8	158
391	Design of an ORC system operating with solar heat and producing sanitary hot water. 2011 , 6, 389-395		30
390	Bottoming cycles for electric energy generation: Parametric investigation of available and innovative solutions for the exploitation of low and medium temperature heat sources. 2011 , 88, 1500-1509		165
389	A vapor injector-based novel regenerative organic Rankine cycle. <i>Applied Thermal Engineering</i> , 2011 , 31, 1238-1243	5.8	47
388	Effect of dry hydrocarbons and critical point temperature on the efficiencies of organic Rankine cycle. 2011 , 36, 1196-1202		131
387	A review of researches on thermal exhaust heat recovery with Rankine cycle. 2011 , 15, 2862-2871		224
386	. 2011 ,		1
385	Gas Turbine Bottoming Cycles for Cogenerative Applications: Comparison of Different Heat Recovery Cycle Solutions. 2011 ,		9
384	Analysis and Optimization of ORC for Low-Temperature Waste Heat Power Generation. 2011 , 383-390, 6614-6620		
383	Second Law Assessment of a Wet Ethanol Fuelled HCCI Engine Combined With Organic Rankine Cycle. 2012 , 134,		15
382	Exergetic Evaluation of an Organic Rankine Cycle Using Medium-Grade Waste Heat. 2012 , 34, 1768-1780		9
381	Waste Heat Produces Electrical Power System, Using Organic Rankine Cycle (ORC) from Steelworks. 2012 , 512-515, 1338-1342		
380	Performance Analysis and Working Fluid Selection of a Supercritical Organic Rankine Cycle for Low Grade Waste Heat Recovery. <i>Energies</i> , 2012 , 5, 3233-3247	3.1	89
379	Optimization of Advanced Liquid Natural Gas-Fuelled Combined Cycle Machinery Systems for a High-Speed Ferry. 2012 ,		5
378	Selection of working fluids for micro-CHP systems with ORC. 2012 , 48, 565-570		116
377	A novel Carnot-based cycle for ocean thermal energy conversion. <i>Energy</i> , 2012 , 43, 361-375	7.9	28

376	Comparative study of working fluids for a Rankine cycle operating at low temperature. 2012 , 103, 71-77		25
375	Optimization of Low-Temperature Exhaust Gas Waste Heat Fueled Organic Rankine Cycle. 2012 , 19, 30-36		16
374	Ammonia-water cogeneration cycle for utilizing waste heat from the GT-MHR plant. <i>Applied Thermal Engineering</i> , 2012 , 48, 176-185	5.8	45
373	Analysis of the use of waste heat obtained from coal-fired units in Organic Rankine Cycles and for brown coal drying. <i>Energy</i> , 2012 , 45, 203-212	7.9	32
372	Potential of zeotropic mixtures as working fluids in organic Rankine cycles. <i>Energy</i> , 2012 , 44, 623-632	7.9	200
371	Alkanes as fluids in Rankine cycles in comparison to water, benzene and toluene. <i>Energy</i> , 2012 , 45, 256-263		49
370	Exergy analysis and parameter study on a novel auto-cascade Rankine cycle. <i>Energy</i> , 2012 , 48, 539-547	7.9	25
369	Parametric optimization and performance comparison of organic Rankine cycle with simulated annealing algorithm. 2012 , 19, 2584-2590		8
368	Optimized performances comparison of organic Rankine cycles for low grade waste heat recovery. 2012 , 26, 2301-2312		50
367	Effects of Various Types of Binary Cycles on Thermal and Exergy Efficiency of Combined Flash-Binary Power Plants. 2012 ,		
366	Advances in Control and Communication. 2012 ,		6
365	Thermodynamic analysis of double-stage biomass fired Organic Rankine Cycle for micro-cogeneration. <i>International Journal of Energy Research</i> , 2012 , 36, 944-952	4.5	30
364	Experimental investigation of a biomass-fired ORC-based micro-CHP for domestic applications. 2012 , 96, 374-382		166
363	Low grade thermal energy sources and uses from the process industry in the UK. 2012 , 89, 3-20		212
362	An experimental study on the recuperative low temperature solar Rankine cycle using R245fa. 2012 , 94, 34-40		83
361	On the role of working fluid properties in Organic Rankine Cycle performance. <i>Applied Thermal Engineering</i> , 2012 , 36, 406-413	5.8	105
360	A novel process for engines or heat pumps based on thermal-hydraulic conversion. <i>Applied Thermal Engineering</i> , 2012 , 37, 249-257	5.8	6
359	Part-load analysis of gas turbine & ORC combined cycles. <i>Applied Thermal Engineering</i> , 2012 , 36, 63-72	5.8	50

358	Comparative energetic analysis of high-temperature subcritical and transcritical Organic Rankine Cycle (ORC). A biomass application in the Sibari district. <i>Applied Thermal Engineering</i> , 2012 , 36, 236-244	5.8	89
357	Proposal and analysis of a new combined cogeneration system based on the GT-MHR cycle. 2012 , 286, 417-428		47
356	Assessment of high temperature organic Rankine cycle engine for polygeneration with MED desalination: A preliminary approach. <i>Energy Conversion and Management</i> , 2012 , 53, 108-117	10.6	61
355	Parametric optimization and performance analysis of a regenerative Organic Rankine Cycle using R-123 for waste heat recovery. <i>Energy</i> , 2012 , 39, 227-235	7.9	101
354	Influence of coupled pinch point temperature difference and evaporation temperature on performance of organic Rankine cycle. <i>Energy</i> , 2012 , 42, 503-509	7.9	96
353	Zeotropic mixtures as working fluids in Organic Rankine Cycles for low-enthalpy geothermal resources. 2012 , 37, 364-370		232
352	Waste heat recovery from a landfill gas-fired power plant. 2012 , 16, 1779-1789		65
351	A technical, economical and market review of organic Rankine cycles for the conversion of low-grade heat for power generation. 2012 , 16, 4175-4189		370
350	Energetic and exergetic analysis of waste heat recovery from a microturbine using organic Rankine cycles. <i>International Journal of Energy Research</i> , 2013 , 37, 888-898	4.5	17
349	Modeling and optimization of a binary geothermal power plant. <i>Energy</i> , 2013 , 50, 412-428	7.9	70
348	Investigation of the effect of different refrigerants on performances of binary geothermal power plants. <i>Energy Conversion and Management</i> , 2013 , 76, 483-498	10.6	46
347	Reprint of A review of chemical heat pumps, thermodynamic cycles and thermal energy storage technologies for low grade heat utilisation <i>Applied Thermal Engineering</i> , 2013 , 53, 160-176	5.8	40
346	Construction and preliminary test of a low-temperature regenerative Organic Rankine Cycle (ORC) using R123. 2013 , 57, 216-222		84
345	A new approach for exhaust energy recovery of internal combustion engine: Steam turbocharging. <i>Applied Thermal Engineering</i> , 2013 , 52, 150-159	5.8	48
344	Thermo-economic environmental optimization of Organic Rankine Cycle for diesel waste heat recovery. <i>Energy</i> , 2013 , 63, 142-151	7.9	85
343	Thermodynamic investigation of low-temperature industrial waste-heat recovery in combined heat and power generation systems. 2013 , 42, 82-88		14
342	Performance analyses of geothermal organic Rankine cycles with selected hydrocarbon working fluids. <i>Energy</i> , 2013 , 63, 123-132	7.9	91
341	Comparison of thermodynamic cycles for power production from low-temperature geothermal heat sources. <i>Energy Conversion and Management</i> , 2013 , 66, 220-233	10.6	146

340	A review of chemical heat pumps, thermodynamic cycles and thermal energy storage technologies for low grade heat utilisation. <i>Applied Thermal Engineering</i> , 2013 , 50, 1257-1273	5.8	138
339	Comparison and Optimization of Mid-low Temperature Cogeneration Systems for Flue Gas in Iron and Steel Plants. 2013 , 20, 33-40		7
338	Parametric optimization of regenerative organic Rankine cycle (ORC) for low grade waste heat recovery using genetic algorithm. <i>Energy</i> , 2013 , 58, 473-482	7.9	135
337	Performance comparison and working fluid analysis of subcritical and transcritical dual-loop organic Rankine cycle (DORC) used in engine waste heat recovery. <i>Energy Conversion and Management</i> , 2013 , 74, 35-43	10.6	83
336	Systematic comparison of ORC configurations by means of comprehensive performance indexes. <i>Applied Thermal Engineering</i> , 2013 , 61, 129-140	5.8	118
335	Evaluation of carbon dioxide blends with isopentane and propane as working fluids for organic Rankine cycles. <i>Applied Thermal Engineering</i> , 2013 , 52, 439-448	5.8	55
334	Working fluid selection for a subcritical bottoming cycle applied to a high exhaust gas recirculation engine. <i>Energy</i> , 2013 , 60, 388-400	7.9	18
333	Bottoming organic Rankine cycle configurations to increase Internal Combustion Engines power output from cooling water waste heat recovery. <i>Applied Thermal Engineering</i> , 2013 , 61, 364-371	5.8	87
332	Pumping work in the organic Rankine cycle. <i>Applied Thermal Engineering</i> , 2013 , 51, 781-786	5.8	44
331	Analysis of regenerative dual-loop organic Rankine cycles (DORCs) used in engine waste heat recovery. <i>Energy Conversion and Management</i> , 2013 , 76, 234-243	10.6	67
330	A review of working fluid and expander selections for organic Rankine cycle. 2013 , 24, 325-342		848
329	Techno-economic survey of Organic Rankine Cycle (ORC) systems. 2013 , 22, 168-186		883
328	Evaluation of isopentane, R-245fa and their mixtures as working fluids for organic Rankine cycles. <i>Applied Thermal Engineering</i> , 2013 , 51, 292-300	5.8	92
327	Exergetic and economic comparison of ORC and Kalina cycle for low temperature enhanced geothermal system in Brazil. <i>Applied Thermal Engineering</i> , 2013 , 52, 109-119	5.8	138
326	Thermodynamic analysis of employing ejector and organic Rankine cycles for GT-MHR waste heat utilization: A comparative study. <i>Energy Conversion and Management</i> , 2013 , 67, 125-137	10.6	31
325	Analysis of vehicle exhaust waste heat recovery potential using a Rankine cycle. <i>Energy</i> , 2013 , 49, 71-85	7.9	88
324	Evaluation of the potential use of a combined micro-turbine organic Rankine cycle for different geographic locations. 2013 , 102, 1324-1333		41
323	Comparative analysis of series and parallel geothermal systems combined power, heat and oil recovery in oilfield. <i>Applied Thermal Engineering</i> , 2013 , 50, 1132-1141	5.8	28

322	A comprehensive study on waste heat recovery from internal combustion engines using organic Rankine cycle. 2013 , 17, 611-624		26
321	Simulations of Waste Heat Recovery System Using R123 and R245fa for Heavy-Duty Diesel Engines. 2013 , 805-806, 1827-1835		3
320	Thermodynamic optimization of a neoteric geothermal poly-generation system in an oilfield. <i>International Journal of Energy Research</i> , 2013 , 37, n/a-n/a	4.5	1
319	Energy and exergy-based working fluid selection for organic Rankine cycle recovering waste heat from high temperature solid oxide fuel cell and gas turbine hybrid systems. <i>International Journal of Energy Research</i> , 2013 , 37, 1831-1841	4.5	48
318	Experimental Evaluation of the Regenerative and Basic Organic Rankine Cycles for Low-Grade Heat Source Utilization. 2013 , 139, 190-197		16
317	WITHDRAWN: Isobaric expansion based regenerative trilateral thermal cycle with helium hydrogen and nitrogen as working fluids. <i>Energy</i> , 2013 ,	7.9	
316	Optimization of binary geothermal power systems. 2013 , 391-396		4
315	Selecting working fluids in an organic Rankine cycle for power generation from low temperature heat sources. 2014 , 81, 173-180		4
314	Comparison of CO ₂ and Steam in Transcritical Rankine Cycles for Concentrated Solar Power. 2014 , 49, 1138-1146		28
313	Design, Analysis and Optimization of a Micro-CHP System Based on Organic Rankine Cycle for Ultralow Grade Thermal Energy Recovery. 2014 , 136,		23
312	Energy Analysis and Multi-Objective Optimization of an Internal Combustion Engine-Based CHP System for Heat Recovery. 2014 , 16, 5633-5653		9
311	Analyzing the Performance of a Dual Loop Organic Rankine Cycle System for Waste Heat Recovery of a Heavy-Duty Compressed Natural Gas Engine. <i>Energies</i> , 2014 , 7, 7794-7815	3.1	20
310	Bibliography. 2014 , 195-232		
309	Parametric Optimization of Zeotropic Mixtures Used in Low-Temperature Organic Rankine Cycle for Power Generation. 2014 ,		
308	Thermal Design and Performance Optimization of the ORC System for the Waste Heat Recovery in Refining Petroleum Industry. 2014 ,		
307	Moment Analysis of a Scroll Expander Used in an Organic Rankine Cycle. 2014 ,		1
306	Adapting the pinch point analysis to improve the ORC design process. <i>International Journal of Energy Research</i> , 2014 , 38, 29-40	4.5	9
305	Modelling and testing of a hybrid solar-biomass ORC-based micro-CHP system. <i>International Journal of Energy Research</i> , 2014 , 38, 1039-1052	4.5	24

304	Set point optimization of controlled Organic Rankine Cycle systems. 2014 , 59, 4397-4404		10
303	Performance Evaluation of a Solar Powered Organic Rankine Cycle for Residential or Small Commercial Applications. 2014 ,		
302	An exergy composite curves approach for the design of optimum multi-pressure organic Rankine cycle processes. <i>Energy</i> , 2014 , 69, 285-298	7.9	45
301	Analysis of zeotropic mixtures used in high-temperature Organic Rankine cycle. <i>Energy Conversion and Management</i> , 2014 , 84, 253-260	10.6	55
300	Exergy analysis of zeotropic mixtures as working fluids in Organic Rankine Cycles. <i>Energy Conversion and Management</i> , 2014 , 85, 727-739	10.6	150
299	Performance analysis of waste heat recovery with a dual loop organic Rankine cycle (ORC) system for diesel engine under various operating conditions. <i>Energy Conversion and Management</i> , 2014 , 80, 243-255	10.6	131
298	Effect and comparison of different working fluids on a two-stage organic rankine cycle (ORC) concept. <i>Applied Thermal Engineering</i> , 2014 , 63, 246-253	5.8	93
297	Implementation of PDORC (parallel double-evaporator organic Rankine cycle) to enhance power output in oilfield. <i>Energy</i> , 2014 , 68, 680-687	7.9	36
296	Performance analysis of regenerative organic Rankine cycle (RORC) using the pure working fluid and the zeotropic mixture over the whole operating range of a diesel engine. <i>Energy Conversion and Management</i> , 2014 , 84, 282-294	10.6	83
295	Power generation using waste heat recovery by organic Rankine cycle in oil and gas sector in Egypt: A case study. <i>Energy</i> , 2014 , 64, 462-472	7.9	39
294	Parametric and working fluid analysis of a dual-loop organic Rankine cycle (DORC) used in engine waste heat recovery. 2014 , 113, 1188-1198		140
293	Critical temperature criterion for selection of working fluids for subcritical pressure Organic Rankine cycles. <i>Energy</i> , 2014 , 74, 719-733	7.9	98
292	Applicability of entropy, entransy and exergy analyses to the optimization of the Organic Rankine Cycle. <i>Energy Conversion and Management</i> , 2014 , 88, 267-276	10.6	27
291	Performance analysis of a novel power/refrigerating combined-system driven by the low-grade waste heat using different refrigerants. <i>Energy</i> , 2014 , 73, 543-553	7.9	16
290	Economic comparison of ORC (Organic Rankine cycle) processes at different scales. <i>Energy</i> , 2014 , 74, 694-706	7.9	44
289	Study of mixtures based on hydrocarbons used in ORC (Organic Rankine Cycle) for engine waste heat recovery. <i>Energy</i> , 2014 , 74, 428-438	7.9	113
288	Heat resources and organic Rankine cycle machines. 2014 , 39, 1185-1199		107
287	Exergy analysis and working fluid selection of organic Rankine cycle for low grade waste heat recovery. <i>Energy</i> , 2014 , 73, 475-483	7.9	100

286	Heat-Exchanger Network Synthesis Involving Organic Rankine Cycle for Waste Heat Recovery. 2014 , 53, 16924-16936		39
285	Simultaneous Optimization of Working Fluid and Process for Organic Rankine Cycles Using PC-SAFT. 2014 , 53, 8821-8830		90
284	A hybrid Rankine cycle (HyRC) with ambient pressure combustion (APC). <i>Applied Thermal Engineering</i> , 2014 , 73, 484-499	5.8	2
283	Performance of a 5kWe Organic Rankine Cycle at part-load operation. 2014 , 120, 147-158		58
282	Techno-economic Analysis of Biomass-fired ORC Systems for Single-family Combined Heat and Power (CHP) Applications. 2014 , 45, 1285-1294		30
281	Performance optimization of low-temperature power generation by supercritical ORCs (organic Rankine cycles) using low GWP (global warming potential) working fluids. <i>Energy</i> , 2014 , 67, 513-526	7.9	121
280	State of Art of Small Scale Solar Powered ORC Systems: A Review of the Different Typologies and Technology Perspectives. 2014 , 45, 257-267		40
279	Energetic analysis of biomass-fired ORC systems for micro-scale combined heat and power (CHP) generation. A possible application to the Italian residential sector. <i>Applied Thermal Engineering</i> , 2014 , 71, 751-759	5.8	69
278	Experimental investigation of a biomass-fuelled micro-scale tri-generation system with an organic Rankine cycle and liquid desiccant cooling unit. <i>Energy</i> , 2014 , 71, 80-93	7.9	59
277	Performance evaluation of free piston compressor coupling organic Rankine cycle under different operating conditions. <i>Energy Conversion and Management</i> , 2014 , 86, 340-348	10.6	31
276	Organic Rankine Cycles Including Fluid Selection. 2015 , 1-33		1
275	Biomass-Fueled Organic Rankine Cycle-Based Cogeneration System. 2015 , 247-261		1
274	Utilizing of Waste Heat in Natural Gas Processing Plants for Efficiency Improvement by Using of Organic Rankine Cycle (ORC). 2015 ,		
273	Thermodynamic analysis and performance optimization of organic rankine cycles for the conversion of low-to-moderate grade geothermal heat. <i>International Journal of Energy Research</i> , 2015 , 39, 1256-1274	15	22
272	Parametric Analysis of Dry Hydrocarbons on the Performance of Organic Rankine Cycle Improved by Working Fluid Reheating. 2015 , 44, 738-752		2
271	Selection of Optimum Working Fluid for Organic Rankine Cycles by Exergy and Exergy-Economic Analyses. <i>Sustainability</i> , 2015 , 7, 15362-15383	3.6	56
270	Two-stage evaporation strategy to improve system performance for organic Rankine cycle. 2015 , 150, 323-334		81
269	Transcritical organic Rankine vapor compression refrigeration system for intercity bus air-conditioning using engine exhaust heat. <i>Energy</i> , 2015 , 82, 1047-1056	7.9	31

268	Evaluation of a solar-powered organic Rankine cycle using dry organic working fluids. 2015 , 2, 1085300		7
267	Minimizing the levelized cost of electricity production from low-temperature geothermal heat sources with ORCs: Water or air cooled?. 2015 , 142, 144-153		61
266	Energy and exergy assessments of modified Organic Rankine Cycles (ORCs). 2015 , 1, 1-7		113
265	Performance evaluation of an ejector subcooled vapor-compression refrigeration cycle. <i>Energy Conversion and Management</i> , 2015 , 92, 431-436	10.6	30
264	Experimental Study and Numerical Simulation of a Regenerative ORC Utilizing Low-Grade Heat Source. 2015 , 141, 04014011		7
263	Parametric optimization of organic Rankine cycle with R245fa/R601a as working fluid. 2015 , 21, 69-75		2
262	Sensitivity analysis and thermoeconomic comparison of ORCs (organic Rankine cycles) for low temperature waste heat recovery. <i>Energy</i> , 2015 , 82, 664-677	7.9	70
261	Performance analysis of organic Rankine cycles using different working fluids. 2015 , 19, 179-191		7
260	CO2 based power cycle with multi-stage compression and intercooling for low temperature waste heat recovery. <i>Energy</i> , 2015 , 90, 1132-1143	7.9	35
259	Payback period estimation and parameter optimization of subcritical organic Rankine cycle system for waste heat recovery. <i>Energy</i> , 2015 , 88, 734-745	7.9	28
258	Design and experimental investigation of a 1kW organic Rankine cycle system using R245fa as working fluid for low-grade waste heat recovery from steam. <i>Energy Conversion and Management</i> , 2015 , 103, 1089-1100	10.6	103
257	Thermodynamic and economic analysis for the pre-feasibility study of a binary geothermal power plant. <i>Energy Conversion and Management</i> , 2015 , 103, 639-649	10.6	33
256	A Humid Air Turbine Organic Rankine Cycle combined cycle for distributed microgeneration. <i>Energy Conversion and Management</i> , 2015 , 104, 115-126	10.6	18
255	Thermal performance analysis of a reheating-regenerative organic Rankine cycle using different working fluids. 2015 , 21,		1
254	Methodical thermodynamic analysis and regression models of organic Rankine cycle architectures for waste heat recovery. <i>Energy</i> , 2015 , 87, 60-76	7.9	50
253	Modelling and simulation analysis of an ORC-FPC waste heat recovery system for the stationary CNG-fuelled compressor. <i>Applied Thermal Engineering</i> , 2015 , 87, 481-490	5.8	17
252	Analysis of ORC (Organic Rankine Cycle) systems with pure hydrocarbons and mixtures of hydrocarbon and retardant for engine waste heat recovery. <i>Applied Thermal Engineering</i> , 2015 , 89, 693-702	5.8	70
251	Thermodynamic analysis and performance assessment of an integrated heat pump system for district heating applications. <i>Applied Thermal Engineering</i> , 2015 , 89, 833-842	5.8	21

250	Energy analysis of Organic Rankine Cycles for biomass applications. 2015 , 19, 193-205		16
249	Multi-Objective Thermo-Economic Optimization Strategy for ORCs Applied to Subcritical and Transcritical Cycles for Waste Heat Recovery. <i>Energies</i> , 2015 , 8, 2714-2741	3.1	46
248	Experimental investigation of an organic Rankine cycle with multiple expanders used in parallel. 2015 , 145, 246-254		49
247	Parametric optimization and performance analyses of geothermal organic Rankine cycles using R600a/R601a mixtures as working fluids. 2015 , 148, 410-420		133
246	Selection of organic Rankine cycle working fluid based on unit-heat-exchange-area net power. 2015 , 22, 1548-1553		
245	A new pinch based method for simultaneous selection of working fluid and operating conditions in an ORC (Organic Rankine Cycle) recovering waste heat. <i>Energy</i> , 2015 , 90, 36-46	7.9	62
244	Thermodynamic analysis and performance optimization of an Organic Rankine Cycle (ORC) waste heat recovery system for marine diesel engines. <i>Energy</i> , 2015 , 82, 976-985	7.9	151
243	Simultaneous Optimal Design of Organic Mixtures and Rankine Cycles for Low-Temperature Energy Recovery. 2015 , 54, 3367-3383		27
242	Comprehensive analysis of energy, exergy and exergo-economic of cogeneration of heat and power in a combined gas turbine and organic Rankine cycle. <i>Energy Conversion and Management</i> , 2015 , 97, 154-165	10.6	175
241	Review of organic Rankine cycle (ORC) architectures for waste heat recovery. 2015 , 47, 448-461		401
240	Optimizing the Non-Inertive-Feedback Thermofluidic Engine for the Conversion of Low-Grade Heat to Pumping Work. 2015 , 36, 1303-1320		8
239	Parametric optimization and performance analysis of ORC (organic Rankine cycle) for diesel engine waste heat recovery with a fin-and-tube evaporator. <i>Energy</i> , 2015 , 91, 128-141	7.9	92
238	Thermoeconomic multi-objective optimization of an organic Rankine cycle for exhaust waste heat recovery of a diesel engine. <i>Energy</i> , 2015 , 93, 2208-2228	7.9	82
237	Discussion of the internal heat exchanger's effect on the Organic Rankine Cycle. <i>Applied Thermal Engineering</i> , 2015 , 75, 334-343	5.8	13
236	Thermodynamic optimization of organic Rankine cycle using two-stage evaporation. 2015 , 75, 654-664		28
235	Second law assessment of a syngas-fuelled triple thermodynamic cycle for sustainable power generation. 2015 , 34, 373-395		4
234	The injector-based regenerative supercritical organic Rankine cycle. 2016 , 30, 2353-2360		1
233	Thermo-economic evaluation of ORCs for various working fluids. <i>Applied Thermal Engineering</i> , 2016 , 109, 841-853	5.8	33

232	An innovative organic Rankine cycle approach for high temperature applications. <i>Energy</i> , 2016 , 115, 1436-1450	13	14
231	Thermodynamic Analysis of Organic Rankine Cycle (ORC) Systems Based on Turbine Performance Prediction. 2016 ,		
230	Aerodynamic optimization of a high-expansion ratio organic radial-inflow turbine. 2016 , 30, 5485-5490		14
229	A proposed coal-to-methanol process with CO ₂ capture combined Organic Rankine Cycle (ORC) for waste heat recovery. 2016 , 129, 53-64		49
228	Strengthening mechanisms of two-stage evaporation strategy on system performance for organic Rankine cycle. <i>Energy</i> , 2016 , 101, 532-540	7.9	31
227	Energy and entropy analysis of closed adiabatic expansion based trilateral cycles. <i>Energy Conversion and Management</i> , 2016 , 119, 49-59	10.6	12
226	Analysis and Performance of ORC Based Solar Thermal Power Plant Using Benzene as a Working Fluid. 2016 , 23, 454-463		12
225	Thermodynamic and economic performance improvement of ORCs through using zeotropic mixtures: Case of waste heat recovery in an offshore platform. 2016 , 8, 51-70		48
224	Evaluation of a combined cycle based on an HCCI (Homogenous Charge Compression Ignition) engine heat recovery employing two organic Rankine cycles. <i>Energy</i> , 2016 , 107, 748-760	7.9	13
223	A review of expanders for power generation in small-scale organic Rankine cycle systems: Performance and operational aspects. 2016 , 230, 669-684		40
222	Power cycles for waste heat recovery from medium to high temperature flue gas sources [from a view of thermodynamic optimization. 2016 , 180, 707-721		46
221	Modelling of organic Rankine cycle efficiency with respect to the equivalent hot side temperature. <i>Energy</i> , 2016 , 115, 668-683	7.9	13
220	Innovative CHP concept for ORC and its benefit compared to conventional concepts. 2016 , 183, 478-490		32
219	Geothermal Energy and Organic Rankine Cycle Machines. 2016 , 310-317		1
218	Energy and exergy analyses of a novel near zero emission plant: Combination of MATIANT cycle with gasification unit. <i>Applied Thermal Engineering</i> , 2016 , 108, 893-904	5.8	24
217	Criteria for selection of working fluid in low-temperature ORC. 2016 , 37, 429-440		8
216	Effect of Evaporation Temperature on the Performance of Organic Rankine Cycle in Near-Critical Condition. 2016 , 138,		6
215	Proposal of a combined heat and power plant hybridized with regeneration organic Rankine cycle: Energy-Exergy evaluation. <i>Energy Conversion and Management</i> , 2016 , 122, 357-365	10.6	28

214	Effects of critical and boiling temperatures on system performance and fluid selection indicator for low temperature organic Rankine cycles. <i>Energy</i> , 2016 , 109, 830-844	7.9	18
213	Influence of the radial-inflow turbine efficiency prediction on the design and analysis of the Organic Rankine Cycle (ORC) system. <i>Energy Conversion and Management</i> , 2016 , 123, 308-316	10.6	58
212	Effect of working fluids on the performance of a novel direct vapor generation solar organic Rankine cycle system. <i>Applied Thermal Engineering</i> , 2016 , 98, 786-797	5.8	41
211	Comparative assessment of Organic Rankine Cycle integration for low temperature geothermal heat source applications. <i>Energy</i> , 2016 , 102, 473-490	7.9	58
210	Multi-approach evaluations of a cascade-Organic Rankine Cycle (C-ORC) system driven by diesel engine waste heat: Part A Thermodynamic evaluations. <i>Energy Conversion and Management</i> , 2016 , 108, 579-595	10.6	69
209	Maximizing ORC performance with optimal match of working fluid with system design. <i>Applied Thermal Engineering</i> , 2016 , 100, 11-19	5.8	42
208	Effect of resistive load on the performance of an organic Rankine cycle with a scroll expander. <i>Energy</i> , 2016 , 95, 21-28	7.9	13
207	Investigation of the organic Rankine cycle (ORC) system and the radial-inflow turbine design. <i>Applied Thermal Engineering</i> , 2016 , 96, 547-554	5.8	63
206	Comparison and analysis of the effects of various improved turbocharging approaches on gasoline engine transient performances. <i>Applied Thermal Engineering</i> , 2016 , 93, 797-812	5.8	26
205	The determination and matching analysis of pinch point temperature difference in evaporator and condenser of organic rankine cycle for mixed working fluid. 2016 , 13, 470-480		8
204	A New Supercritical Carbon Dioxide Brayton Cycle with High Efficiency. 2017 , 46, 465-482		6
203	Performance enhancement of a power generation unit organic Rankine cycle system through the addition of electric energy storage. 2017 , 10, 28-38		5
202	Performance analysis of organic Rankine cycles using R600/R601a mixtures with liquid-separated condensation. 2017 , 190, 376-389		50
201	Preliminary design and performance analysis of a radial inflow turbine for organic Rankine cycles. <i>Applied Thermal Engineering</i> , 2017 , 120, 549-559	5.8	34
200	Improving the engine cooling system using a power generation cycle for low-temperature heat source (heat losses in engine) instead of radiator. <i>Applied Thermal Engineering</i> , 2017 , 120, 196-202	5.8	0
199	Process integration and superstructure optimization of Organic Rankine Cycles (ORCs) with heat exchanger network synthesis. <i>Computers and Chemical Engineering</i> , 2017 , 107, 257-270	4	39
198	Modern geothermal power: Binary cycle geothermal power plants. 2017 , 64, 243-250		10
197	Modeling and Optimization of Cogeneration and Trigeration Systems. 2017 , 317-397		

196	Economical evaluation and optimization of organic Rankine cycle with mixture working fluids using R245fa as flame retardant. <i>Applied Thermal Engineering</i> , 2017 , 113, 1056-1070	5.8	54
195	Thermo-economic analysis and optimization of a zoetropic fluid organic Rankine cycle with liquid-vapor separation during condensation. <i>Energy Conversion and Management</i> , 2017 , 148, 517-532	10.6	21
194	Performance improvement of two-stage serial organic Rankine cycle (TSORC) integrated with absorption refrigeration (AR) for geothermal power generation. 2017 , 69, 110-118		13
193	Dual-objective optimization of organic Rankine cycle (ORC) systems using genetic algorithm: a comparison between basic and recuperative cycles. 2017 , 53, 2577-2596		5
192	Energy and exergy analysis of novel combined cooling and power (CCP) cycles. <i>Applied Thermal Engineering</i> , 2017 , 124, 152-169	5.8	62
191	Thermodynamic Analysis of Organic Rankine Cycle with Hydrofluoroethers as Working Fluids. 2017 , 105, 1889-1894		13
190	Experimental study on organic Rankine cycle utilizing R245fa, R123 and their mixtures to investigate the maximum power generation from low-grade heat. <i>Energy</i> , 2017 , 133, 636-651	7.9	45
189	Group contribution methods in thermodynamic cycles: Physical properties estimation of pure working fluids. 2017 , 79, 984-1001		17
188	Thermodynamic analysis of a regenerative organic Rankine cycle using dry fluids. <i>Applied Thermal Engineering</i> , 2017 , 123, 852-864	5.8	37
187	Energic, Exergic, Exergo-economic investigation and optimization of auxiliary cooling system (ACS) equipped with compression refrigerating system (CRS). 2017 , 10, 517-531		5
186	Thermodynamic analysis of a simple Organic Rankine Cycle. <i>Energy</i> , 2017 , 118, 85-96	7.9	44
185	Integrated adsorption-ORC system: Comparative study of four scenarios to generate cooling and power simultaneously. <i>Applied Thermal Engineering</i> , 2017 , 114, 1038-1052	5.8	27
184	Simultaneous heat integration and techno-economic optimization of Organic Rankine Cycle (ORC) for multiple waste heat stream recovery. <i>Energy</i> , 2017 , 119, 322-333	7.9	57
183	Efficiency and cost optimization of a regenerative Organic Rankine Cycle power plant through the multi-objective approach. <i>Applied Thermal Engineering</i> , 2017 , 114, 601-610	5.8	39
182	Novel system for cooling and electricity: Four different integrated adsorption-ORC configurations with two expanders. <i>Energy Conversion and Management</i> , 2017 , 152, 72-87	10.6	20
181	Experimental testing of a small-scale two stage Organic Rankine Cycle engine operating at low temperature. <i>Energy</i> , 2017 , 141, 869-879	7.9	17
180	Experimental investigation of the domestic CHP ORC system in transient operating conditions. 2017 , 129, 637-643		18
179	Development and application of a 200 kW ORC generator system for energy recovery in chemical processes. 2017 , 129, 519-526		11

178	Exploration and Analysis of CO ₂ + Hydrocarbons Mixtures as Working Fluids for Trans-critical ORC. 2017 , 129, 145-151		8
177	An improved modeling for low-grade organic Rankine cycle coupled with optimization design of radial-inflow turbine. <i>Energy Conversion and Management</i> , 2017 , 153, 60-70	10.6	34
176	Thermodynamic analysis of organic Rankine cycle used for flue gases from biogas combustion. <i>Energy Conversion and Management</i> , 2017 , 153, 627-640	10.6	25
175	Effect of the Working Fluid on Performance of the ORC and Combined Brayton/ORC Cycle. 2017 ,		1
174	Exergy-based optimization of an organic Rankine cycle (ORC) for waste heat recovery from an internal combustion engine (ICE). <i>Applied Thermal Engineering</i> , 2017 , 126, 447-457	5.8	50
173	Description of wet-to-dry transition in model ORC working fluids. <i>Applied Thermal Engineering</i> , 2017 , 125, 963-971	5.8	28
172	Parametric analysis of organic Rankine cycle based on a radial turbine for low-grade waste heat recovery. <i>Applied Thermal Engineering</i> , 2017 , 126, 470-479	5.8	15
171	Superstructure based techno-economic optimization of the organic rankine cycle using LNG cryogenic energy. <i>Energy</i> , 2017 , 137, 83-94	7.9	30
170	Performance comparison and analysis of a combined power and cooling system based on organic Rankine cycle. 2017 , 24, 353-359		8
169	Overview of the organic Rankine cycles and their current utilization: Verification of several current ORCs utilization by the software Dymola. 2017 ,		
168	Comparative performance study of different configurations of organic Rankine cycle using low-grade waste heat for power generation. 2017 , 14, 212-228		2
167	Analysis of isentropic mixtures for their use as working fluids in organic Rankine cycles. 2017 , 36, 921-935		4
166	A comparative thermodynamic analysis of ORC and Kalina cycles for waste heat recovery: A case study for CGAM cogeneration system. 2017 , 9, 1-13		89
165	Organic Rankine Cycle system performance targeting and design for multiple heat sources with simultaneous working fluid selection. 2017 , 142, 1950-1970		25
164	Power generation from low temperature heat recovery. 2017 , 75, 402-414		35
163	Thermo-economic analysis of combined different ORCs geothermal power plants and LNG cold energy. 2017 , 65, 113-125		125
162	An experimental investigation on a recuperative Organic Rankine Cycle (ORC) system for electric power generation with low-grade thermal energy. 2017 , 142, 1528-1533		11
161	Thermodynamic optimization and fluid selection of organic Rankine cycle driven by a latent heat source. 2017 , 24, 2829-2841		7

160 . 2017,

67

159	Analysis and optimization of three main organic Rankine cycle configurations using a set of working fluids with different thermodynamic behaviors. 2017 , 78, 34808		1
158	Performance Characteristics Analysis of Variable Expansion Ratio Expander Based on Organic Rankine Cycle for Automobile Waste Heat Recovery. 2017 ,		
157	Small Scale Organic Rankine Cycle (ORC): A Techno-Economic Review. <i>Energies</i> , 2017 , 10, 413	3.1	97
156	Performance Evaluation of a Solar-Powered Regenerative Organic Rankine Cycle in Different Climate Conditions. <i>Energies</i> , 2017 , 10, 94	3.1	6
155	Simulation and Performance Analysis of Organic Rankine Systems for Stationary Compressed Natural Gas Engine. <i>Energies</i> , 2017 , 10, 544	3.1	9
154	Thermodynamic Analysis of ORC and Its Application for Waste Heat Recovery. <i>Sustainability</i> , 2017 , 9, 1974	3.6	11
153	Optimisation of a small solar organic Rankine cycle based on the exergetic analysis. 2017 , 22, 1		6
152	Insights into geothermal utilization of abandoned oil and gas wells. 2018 , 87, 44-60		57
151	Crank angle-resolved exergy analysis of exhaust flows in a diesel engine from the perspective of exhaust waste energy recovery. 2018 , 216, 31-44		13
150	Off-design performance comparative analysis between basic and parallel dual-pressure organic Rankine cycles using radial inflow turbines. <i>Applied Thermal Engineering</i> , 2018 , 138, 18-34	5.8	24
149	Performance optimization of combined supercritical CO2 recompression cycle and regenerative organic Rankine cycle using zeotropic mixture fluid. <i>Energy Conversion and Management</i> , 2018 , 166, 187-200	10.6	28
148	A feasibility study of Organic Rankine Cycle (ORC) power generation using thermal and cryogenic waste energy on board an LNG passenger vessel. <i>International Journal of Energy Research</i> , 2018 , 42, 3121-3142	4.5	12
147	Energetic optimization of regenerative Organic Rankine Cycle (ORC) configurations. <i>Energy Conversion and Management</i> , 2018 , 159, 353-370	10.6	86
146	Emerging electrochemical and membrane-based systems to convert low-grade heat to electricity. 2018 , 11, 276-285		118
145	Parametric study and working fluid selection of modified combined power and refrigeration cycles (MCPRCs) using low-temperature heat sources. 2018 , 40, 1		14
144	Alternative organic fluid to enhance the performance of Aluto Langano geothermal power plant in Ethiopia. 2018 , 74, 210-216		1
143	Performance evaluation of a combined cycle power plant integrated with organic Rankine cycle and absorption refrigeration system. 2018 , 5, 1451426		7

142	Working fluids selection for flashing organic rankine regeneration cycle driven by low-medium heat source. 2018 , 37, 1201-1209		4
141	Recent research trends in organic Rankine cycle technology: A bibliometric approach. 2018 , 81, 552-562		87
140	Design and development of a 10-kWe ORC installation working with low-temperature sources. 2018 , 37, 857-872		4
139	Thermodynamic analysis of organic Rankine cycle with Hydrofluoroethers as working fluids. 2018 , 376, 012026		2
138	On the performance assessment of using alcohol/water mixtures in a solar Rankine cycle system with an evacuated tube collector. 2018 ,		0
137	A comparison of heat transfer correlations applied to an Organic Rankine Cycle. 2018 , 21, 1164-1180		6
136	Exergetic and heat load optimization of high temperature organic Rankine cycle. <i>Energy Conversion and Management</i> , 2018 , 171, 48-58	10.6	16
135	Thermoeconomic analysis of a CO ₂ compression system using waste heat into the regenerative organic Rankine cycle. <i>Energy Conversion and Management</i> , 2018 , 168, 588-598	10.6	18
134	A review of molecular simulation applied in vapor-liquid equilibria (VLE) estimation of thermodynamic cycles. 2018 , 264, 652-674		10
133	Multi-objective optimization of turbo-ORC systems for waste heat recovery on passenger car engines. <i>Energy</i> , 2018 , 159, 751-765	7.9	25
132	Exergoeconomic optimization of a combined cycle power plant's bottoming cycle using organic working fluids. <i>Energy Conversion and Management</i> , 2018 , 171, 1721-1736	10.6	6
131	Review of Organic Rankine Cycle experimental data trends. <i>Energy Conversion and Management</i> , 2018 , 173, 679-691	10.6	99
130	4.8 Steam and Organic Rankine Cycles. 2018 , 264-311		2
129	Innovation in an Existing Backpressure Turbine for Ensure Better Sustainability and Flexible Operation. <i>Energies</i> , 2019 , 12, 2652	3.1	3
128	Energy and Exergy Analysis of Different Exhaust Waste Heat Recovery Systems for Natural Gas Engine Based on ORC. <i>Energies</i> , 2019 , 12, 2378	3.1	43
127	Advanced exergy analysis of organic Rankine Cycles for Fischer-Tropsch syngas production with parallel dry and steam methane reforming. <i>Energy Conversion and Management</i> , 2019 , 199, 111963	10.6	28
126	Energetic study and comparative analysis of two novel ORC cogeneration systems using gas ejectors. 2019 , 157, 1220-1229		1
125	Multi-objective thermo-economic optimization of a combined organic Rankine cycle and vapour compression refrigeration cycle. <i>Energy Conversion and Management</i> , 2019 , 199, 112054	10.6	21

124	Performance Analysis of a Multistage Centrifugal Pump Used in an Organic Rankine Cycle (ORC) System under Various Condensation Conditions. 2019 , 28, 621-634		10
123	Determination of the ORC-RO system optimum parameters based on 4E analysis; WaterEnergy-Environment nexus. <i>Energy Conversion and Management</i> , 2019 , 183, 772-790	10.6	38
122	Exergy Analysis and Performance Improvement of a Subcritical/Supercritical Organic Rankine Cycle (ORC) for Exhaust Gas Waste Heat Recovery in a Biogas Fuelled Combined Heat and Power (CHP) Engine Through the Use of Regeneration. <i>Energies</i> , 2019 , 12, 575	3.1	39
121	Comparative Analysis of Small-Scale Organic Rankine Cycle Systems for Solar Energy Utilisation. <i>Energies</i> , 2019 , 12, 829	3.1	14
120	A theoretical study on a novel combined organic Rankine cycle and ejector heat pump. <i>Energy</i> , 2019 , 176, 81-90	7.9	11
119	Exergoeconomic analysis and optimization of innovative cascade bi-evaporator electricity/cooling cycles with two adjustable cooling temperatures. <i>Applied Thermal Engineering</i> , 2019 , 152, 890-906	5.8	28
118	Effect of fluid dryness and critical temperature on trans-critical organic Rankine cycle. <i>Energy</i> , 2019 , 174, 97-109	7.9	12
117	Coupling effect of evaporation and condensation processes of organic Rankine cycle for geothermal power generation improvement. 2019 , 26, 3372-3387		4
116	Carbon dioxide mixtures for organic power cycles using waste heat sources. 2019 , 1409, 012016		1
115	Thermodynamic selection criteria of zeotropic mixtures for subcritical organic Rankine cycle. <i>Energy</i> , 2019 , 167, 484-497	7.9	31
114	Exergy analysis of a novel low-heat recovery organic Rankine cycle (ORC) for combined cooling and power generation. 2019 , 41, 1649-1662		10
113	Energy efficiency analysis of distillation for thermally regenerative salinity gradient power technologies. 2019 , 133, 1034-1045		21
112	Investigation of Performance Enhancements for Air Brayton/ORC Combined Cycles for Small (~ 2 MWe) Power Systems and a Moderate Heat Source Temperature. 2019 , 71, 1616-1622		2
111	The potential of exhaust waste heat recovery (WHR) from marine diesel engines via organic rankine cycle. <i>Energy</i> , 2019 , 166, 17-31	7.9	35
110	Series and Parallel Strategies of Combined Heating, Power and Oil Recovery for Oilfields in High Water Cut Period. 2020 , 52, 565-592		
109	Hybrid solar-biomass combined Brayton/organic Rankine-cycle plants integrated with thermal storage: Techno-economic feasibility in selected Mediterranean areas. 2020 , 147, 2913-2931		65
108	Thermo-economic optimization of a nanofluid based organic Rankine cycle: A multi-objective study and analysis. <i>Thermal Science and Engineering Progress</i> , 2020 , 17, 100381	3.6	16
107	Working fluid selection for organic rankine cycles via deterministic global optimization of design and operation. 2020 , 21, 517-536		11

106	Multi-objective optimization of parameters affecting Organic Rankine Cycle performance characteristics with Taguchi-Grey Relational Analysis. 2020 , 117, 109483		34
105	Synthesis and simultaneous MINLP optimization of heat exchanger network, steam Rankine cycle, and organic Rankine cycle. <i>Energy</i> , 2020 , 195, 116922	7.9	21
104	Compression ratio energy and exergy analysis of a developed Brayton-based power cycle employing CAES and ORC. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 139, 2781-2790	4.1	15
103	A review of research on the closed thermodynamic cycles of ocean thermal energy conversion. 2020 , 119, 109581		12
102	Enhancing the thermal and economic performance of supercritical CO ₂ plant by waste heat recovery using an ejector refrigeration cycle. <i>Energy Conversion and Management</i> , 2020 , 224, 113340	10.6	14
101	Effects of thermophysical and thermochemical recuperation on the performance of combined gas turbine and organic rankine cycle power generation system: Thermo-economic comparison and multi-objective optimization. <i>Energy</i> , 2020 , 210, 118551	7.9	10
100	Thermodynamic, Economic and Sustainability Analysis of Solar Organic Rankine Cycle System with Zeotropic Working Fluid Mixtures for Micro-Cogeneration in Buildings. 2020 , 10, 7925		4
99	Energy recovery efficiency analysis of organic Rankine cycle system in vehicle engine under different road conditions. <i>Energy Conversion and Management</i> , 2020 , 223, 113317	10.6	5
98	Optimal design of an organic Rankine cycle system considering the expected variations on heat sources. <i>Energy</i> , 2020 , 213, 118841	7.9	4
97	Techno-Economic Assessment of Waste Heat Recovery Technologies for the Food Processing Industry. <i>Energies</i> , 2020 , 13, 6446	3.1	1
96	Simultaneous Optimization for Organic Rankine Cycle Design and Heat Integration. 2020 , 59, 20455-20471		3
95	A comparative thermodynamic analysis of Kalina and organic Rankine cycles for hot dry rock: a prospect study in the Gonghe Basin. 2020 , 14, 889-900		5
94	Deep Eutectic Solvents Mixed with Fluorinated Refrigerants for Absorption Refrigeration: A Molecular Simulation Study. 2020 , 124, 4536-4550		10
93	Integration of cryogenic energy storage and cryogenic organic cycle to geothermal power plants. 2020 , 87, 101830		6
92	Advanced ORC architecture for geothermal combined heat and power generation. <i>Energy</i> , 2020 , 205, 117967	7.9	26
91	Thermodynamic performance analysis a power and cooling generation system based on geothermal flash, organic Rankine cycles, and ejector refrigeration cycle; application of zeotropic mixtures. 2020 , 40, 100749		18
90	Thermo-economic and environmental analysis of various low-GWP refrigerants in Organic Rankine cycle system. <i>Energy</i> , 2020 , 199, 117344	7.9	10
89	Entropy, Entransy and Exergy Analysis of a Dual-Loop Organic Rankine Cycle (DORC) Using Mixture Working Fluids for Engine Waste Heat Recovery. <i>Energies</i> , 2020 , 13, 1301	3.1	7

88 Solar Energy Research Institute for India and the United States (SERIUS). **2020**,

87	Zeotropic Mixture Selection for an Organic Rankine Cycle Using a Single Screw Expander. <i>Energies</i> , 2020 , 13, 1022	3.1	5
86	Optimal design of geothermal power plants: A comparison of single-pressure and dual-pressure organic Rankine cycles. 2020 , 86, 101787		10
85	New classification of dry and isentropic working fluids and a method used to determine their optimal or worst condensation temperature used in Organic Rankine Cycle. <i>Energy</i> , 2020 , 201, 117722	7.9	8
84	Performance improvement of the bottoming steam Rankine cycle (SRC) and organic Rankine cycle (ORC) systems for a triple combined system using gas turbine (GT) as topping cycle. <i>Energy Conversion and Management</i> , 2020 , 211, 112745	10.6	39
83	Performance improvement of supercritical carbon dioxide power cycles through its integration with bottoming heat recovery cycles and advanced heat exchanger design: A review. <i>International Journal of Energy Research</i> , 2020 , 44, 7108-7135	4.5	17
82	A heuristic modeling of solar-assisted earth geothermal power production capacity. 2021 , 7, 683-693		
81	Effects of evaporation parameters on recuperative transcritical organic Rankine cycle using binary mixture fluids. 2021 , 16, 275-286		
80	Thermodynamic analysis and optimization of a partial evaporating dual-pressure organic rankine cycle system for low-grade heat recovery. <i>Applied Thermal Engineering</i> , 2021 , 185, 116363	5.8	4
79	Techno-economic performance of multi-generation energy system driven by associated mixture of oil and geothermal water for oilfield in high water cut. 2021 , 89, 101991		12
78	Investigate the technical-economical feasibility of utilizing the available industrial waste thermal energy in Oman. <i>Thermal Science and Engineering Progress</i> , 2021 , 21, 100778	3.6	
77	Optimization of cyclic parameters for ORC system using response surface methodology (RSM). 2021 , 43, 993-1006		8
76	Supercritical Fluids and Their Applications in Power Generation. 2021 , 566-599		
75	Energy conversion systems and Energy storage systems. 2021 , 155-179		0
74	A review on biomass-fired CHP system using fruit and vegetable waste with regenerative organic Rankine cycle (RORC). 2021 , 43, 572-578		0
73	Thermo-economic design, optimization, and evaluation of a novel zeotropic ORC with mixture composition adjustment during operation. <i>Energy Conversion and Management</i> , 2021 , 230, 113771	10.6	15
72	Experimental study of two cascaded organic Rankine cycles with varying working fluids. <i>Energy Conversion and Management</i> , 2021 , 230, 113818	10.6	8
71	An overview on subcritical organic rankine cycle configurations with pure organic fluids. <i>International Journal of Energy Research</i> , 2021 , 45, 12536-12563	4.5	3

70	Sensitivity analysis and multi-objective optimization of organic Rankine cycle integrated with vapor compression refrigeration system. 1-13		0
69	Analysis of the thermodynamic performance limits of the organic Rankine cycle in low and medium temperature heat source applications. 2021 , 64, 1624-1640		1
68	Multi-objective optimization and thermo-economic analysis of an enhanced compression-absorption cascade refrigeration system and ORC integrated system for cooling and power cogeneration. <i>Energy Conversion and Management</i> , 2021 , 236, 114068	10.6	8
67	Thermal integration of reheated organic Rankine cycle (RH-ORC) with gas turbine exhaust for maximum power recovery. <i>Thermal Science and Engineering Progress</i> , 2021 , 23, 100876	3.6	2
66	Performance Comparison of Regenerative Organic Rankine Cycle Configurations. 2022 , 583-593		
65	Thermodynamic assessment and optimization of the influences of the steam-assisted turbocharging and organic Rankine cycle on the overall performance of a diesel engine-based cogeneration integrated with a reverse osmosis desalination unit. 2021 , 46, 101175		2
64	Thermodynamic analysis and optimization of a vapor injection organic Rankine cycle system for low-grade heat recovery. 2021 , 1180, 012053		
63	Thermodynamic performance analysis and optimization of a trigeneration system with different configurations applied to a medium-sized hospital. <i>Energy</i> , 2021 , 122195	7.9	0
62	A Theoretical Criterion for Evaluating the Thermodynamic Effectiveness of Regenerators in Organic Rankine Cycle Systems. 1		1
61	Design analysis of the Schwartz DBased heat exchanger: A numerical study. 2021 , 177, 121415		6
60	Solar-driven water pump with organic Rankine cycle for pressurized irrigation systems: A case study. <i>Thermal Science and Engineering Progress</i> , 2021 , 25, 100960	3.6	3
59	Analytical model for thermal efficiency of organic Rankine cycles, considering superheating, heat recovery, pump and expander efficiencies. <i>Energy Conversion and Management</i> , 2021 , 246, 114628	10.6	1
58	Effect of working fluids on the performance of phase change material storage based direct vapor generation solar organic Rankine cycle system. 2021 , 7, 348-361		4
57	Optimisation of simple and regenerative organic Rankine cycles using jacket water of an internal combustion engine fuelled with biogas produced from agricultural waste. 2021 , 155, 17-31		15
56	Determination of optimum organic Rankine cycle parameters and configuration for utilizing waste heat in the steel industry as a driver of receive osmosis system. 2021 , 7, 4146-4171		1
55	A geospatial analysis approach for the operational assessment of solar ORC systems. Case study: Performance evaluation of a two-stage solar ORC engine in Greece. 2022 , 181, 116-128		2
54	Optimal Selection of Working Fluid for the Organic Rankine Cycle Driven by Low-Temperature Geothermal Heat. 2012 , 121-129		2
53	Thermoeconomic Analysis of a Combined Natural Gas Cogeneration System With a Supercritical CO ₂ Brayton Cycle and an Organic Rankine Cycle. 2020 , 142,		7

52	THERMODYNAMIC ANALYSIS OF BASIC AND REGENERATIVE ORGANIC RANKINE CYCLES USING DRY FLUIDS FROM WASTE HEAT RECOVERY. 2381-2393	9
51	Thermodynamic, Environmental and Economic Simulation of an Organic Rankine Cycle (ORC) for Waste Heat Recovery: Terceira Island Case Study. 2019 , 23, 347-365	3
50	Thermoeconomic Evaluation of Combined Heat and Power Generation for Geothermal Applications. 2011 ,	3
49	Applying Process Integration Methods to Target for Electricity Production from Industrial Waste Heat Using Organic Rankine Cycle (ORC) Technology. 2011 ,	1
48	Technical and Economical Feasibility of Biomass Use for Power Generation in Sicily. 2012 , 3, 40-50	2
47	Effect on the Cycle by the Properties of Working Fluids Using Organic Rankine Cycle. 2015 , 18, 5-12	7
46	Effects of Source Temperature on Thermodynamic Performance of Transcritical Organic Rankine Cycle. 2013 , 55-59	2
45	Energy and Exergy Analysis of a Novel CHP System Powered by Recuperative ORC with Water Heating System.	
44	A critical review on waste heat recovery utilization with special focus on Organic Rankine Cycle applications. 2021 , 5, 100292	3
43	Thermodynamic Efficiencies of Organic Rankine Cycles with a Feed Liquid Heater or Regenerator. 2011 , 23, 662-669	6
42	Theoretical Characteristics of Thermodynamic Performance of Combined Heat and Power Generation with Parallel Circuit using Organic Rankine Cycle. 2011 , 31, 49-56	4
41	Technical and Economical Feasibility of Biomass Use for Power Generation in Sicily. 2013 , 1411-1420	
40	Working Fluids for Organic Rankine Cycles Comparative Studies. 2014 , 299-309	
39	Thermodynamic Performance Analysis of Regenerative Organic Rankine Cycle using Turbine Bleeding. 2015 , 26, 377-385	
38	Thermodynamic Performance Analysis of Regenerative Organic Flash Cycle. 2016 , 40, 589-596	1
37	Supercritical Fluids and Their Applications in Power Generation. 2017 , 369-402	
36	Multi-objective Optimization of Cogeneration of Power and Heat in a Combined Gas Turbine and Organic Rankine Cycle. 2018 , 843-861	
35	Thermodynamic Performance Analysis on Various Configurations of Organic Rankine Cycle Systems. 2020 , 439-446	

34 Introduction. **2020**, 1-24

33 MULTI OBJECTIVE OPTIMIZATION OF WASTE HEAT RECOVERY IN CEMENT INDUSTRY (A CASE STUDY). 604-618 2

32 A new indicator for minimizing size of an orc power plant based on heat exchanger and turbine design parameters. *Applied Thermal Engineering*, **2021**, 117750 5.8 1

31 Exergy performance of a new ORC configuration of a solar cogeneration system using a gas ejector. **2020**, 330, 01025

30 Review on Applications of Zeotropic Mixtures. **2022**, 31, 285 1

29 Numerical Modeling of Energy Systems Based on Micro Gas Turbine: A Review. *Energies*, **2022**, 15, 900 3.1 3

28 Simulation Study of Bamboo Leaves Valorization to Small-Scale Electricity and Bio-silica Using ASPEN PLUS. *Bioenergy Research*, 1 3.1 0

27 Automated configuration of organic Rankine cycle system based on process simulations. *Energy Conversion and Management*, **2022**, 253, 115186 10.6 0

26 Exergy and eco-exergy analysis of different scenarios in waste heat recovery applications for electricity and fresh water generation. *Journal of Thermal Analysis and Calorimetry*, 1 4.1 1

25 Review of enhancement for ocean thermal energy conversion system. *Journal of Ocean Engineering and Science*, **2022**, 4.4 1

24 The organic Rankine cycle: A promising technology for electricity generation and thermal pollution mitigation. *Energy*, **2022**, 247, 123405 7.9 0

23 Simultaneous optimization of design and operation of an air-cooled geothermal ORC under consideration of multiple operating points. *Computers and Chemical Engineering*, **2022**, 161, 107745 4

22 Comparing the profitability of waste heat electricity generation of internal combustion engines: An exergoeconomic analysis through optimization of two different organic Rankine cycle scenarios. *Applied Thermal Engineering*, **2022**, 211, 118443 5.8 0

21 Waste Heat Recovery Potential from Internal Combustion Engines Using Organic Rankine Cycle. *Energy, Environment, and Sustainability*, **2022**, 331-364 0.8

20 Economic and Environmental Assessment Using Two Renewable Sources of Energy to Produce Heat and Power for Industrial Applications. *Energies*, **2022**, 15, 2338 3.1 0

19 Multi-objective optimization of TPMS-based heat exchangers for low-temperature waste heat recovery. *Applied Thermal Engineering*, **2022**, 118448 5.8 0

18 An innovative hybrid system for the polygeneration of power, heat, and liquid carbon dioxide using solid oxide fuel cell/electrolyzer technology and oxyfuel power generation cycle. *International Journal of Energy Research*, 4.5 0

17 Construction of a Predictive Model of a Steam Generator Experimental Stand Based on the Organic Rankine Cycle. *Lecture Notes in Mechanical Engineering*, **2022**, 103-109 0.4

16	Thermodynamic Investigation of a Solar Energy Cogeneration Plant Using an Organic Rankine Cycle in Supercritical Conditions. <i>Fluid Dynamics and Materials Processing</i> , 2022 , 18, 1243-1251	1.1	○
15	Thermoeconomic analysis of conventional and recuperative ORC for heat recovery of exothermic reactions. <i>Thermal Science and Engineering Progress</i> , 2022 , 101347	3.6	○
14	Modeling of a Combined Kalina and Organic Rankine Cycle System for Waste Heat Recovery from Biogas Engine. <i>Sustainability</i> , 2022 , 14, 7135	3.6	○
13	Waste heat recovery research a systematic bibliometric analysis (1991 to 2020). <i>Environmental Science and Pollution Research</i> ,	5.1	○
12	Thermo-Economic Analysis for the Feasibility Study of a Binary Geothermal Power Plant in India. <i>Smart Innovation, Systems and Technologies</i> , 2022 , 493-510	0.5	
11	Solar organic Rankine cycle Parametric analysis based on exergy vs energy approaches. 2022 , 14, 043705		
10	Performance Study of Organic Rankine Cycle (ORC) Using Low-Temperature Waste Heat With Zeotropic Refrigerants. 2022 ,		○
9	Energy and Exergy Analyses of a Novel Combined Heat and Power System Operated by a Recuperative Organic Rankine Cycle Integrated with a Water Heating System. 2022 , 15, 6658		○
8	Exergy analysis of organic Rankine cycle for waste heat recovery using low GWP refrigerants. 2022 , 16, 100243		○
7	Low-temperature waste heat recovery from internal combustion engines and power output improvement through dual-expander organic Rankine cycle technology. 095440702211441		○
6	The parametric analysis on the system behaviors with scroll expanders employed in the ORC system: An experimental comparison. 2023 , 268, 126713		○
5	Innovations for organic Rankine cycle power systems: Current trends and future perspectives. 2023 , 225, 120201		○
4	Performance assessment of different Organic Rankine Cycle (ORC) configurations driven by solar energy. 2023 , 171, 655-666		○
3	Evaluation of solar source and ground cooling performance in three different organic rankine cycle (ORC) configurations.		○
2	Printed Circuit Heat Exchangers (PCHEs): A Brief Review. 11-48		○
1	Exergoeconomic analysis and multi-objective optimization of ORC configurations via Taguchi-Grey Relational Methods. 2023 , 9, e15007		1