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Fluid selection for the Organic Rankine Cycle (ORC) in biomass power and heat plants

DOI: 10.1016/j.applthermaleng.2006.04.024
Applied Thermal Engineering, 2007, 27, 223-228.

Source: <https://exaly.com/paper-pdf/42653520/citation-report.pdf>

Version: 2024-04-28

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557	Innovation management in Finmeccanica: experiencing a technology matrix. 2002 , 23, 431		1
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555	Thermodynamic Design and Comparative Analysis of Rankine, ORC and Kalina Cycles for Low-Cost, Meso-Scale Power Generation Systems. 2008 ,		1
554	Waste Heat Recovery From Closed Brayton Cycle Using Organic Rankine Cycle: Thermodynamic Analysis. 2009 ,		4
553	Theoretical and experimental investigation of an organic Rankine cycle for a waste heat recovery system. 2009 , 223, 523-533		51
552	Comparative techno-economic analysis of ORC and gasification for bioenergy applications. 2009 , 50, 674-681		112
551	Parametric optimization and comparative study of organic Rankine cycle (ORC) for low grade waste heat recovery. 2009 , 50, 576-582		550
550	A study on performance of solid oxide fuel cell-organic Rankine cycle combined system. 2009 , 33, 553-564		72
549	Development of small-scale and micro-scale biomass-fuelled CHP systems [A literature review. <i>Applied Thermal Engineering</i> , 2009 , 29, 2119-2126	5.8	274
548	Fluid selection for a low-temperature solar organic Rankine cycle. <i>Applied Thermal Engineering</i> , 2009 , 29, 2468-2476	5.8	585
547	Process integration of organic Rankine cycle. <i>Energy</i> , 2009 , 34, 1674-1686	7.9	243
546	Description of linear siloxanes with PC-SAFT equation. 2009 , 283, 22-30		22
545	Alternative ORC bottoming cycles FOR combined cycle power plants. 2009 , 86, 2162-2170		224
544	Performance analysis of the different Organic Rankine Cycles (ORCs) using dry fluids. 2009 , 6, 323		68
543	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
542	Analysis and optimization of the low-temperature solar organic Rankine cycle (ORC). 2010 , 51, 2846-2856		286
541	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

540	Working fluids for low-temperature heat source. <i>Applied Thermal Engineering</i> , 2010 , 30, 1262-1268	5.8	217
539	A review of thermodynamic cycles and working fluids for the conversion of low-grade heat. 2010 , 14, 3059-3067		935
538	Energy analysis of a trigeneration plant based on solid oxide fuel cell and organic Rankine cycle. 2010 , 35, 5104-5113		153
537	Optimization of low temperature solar thermal electric generation with Organic Rankine Cycle in different areas. 2010 , 87, 3355-3365		137
536	A comparative study of pure and zeotropic mixtures in low-temperature solar Rankine cycle. 2010 , 87, 3366-3373		170
535	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
534	Internal Combustion Engine (ICE) bottoming with Organic Rankine Cycles (ORCs). <i>Energy</i> , 2010 , 35, 1084-1093	7.9	309
533	Working Fluid Selection for Low Temperature Solar Thermal Power Generation with Two-Stage Collectors and Heat Storage Units. 2010 ,		2
532	Integrated Biomass Gasification Small-Scale Combined Cycle Distributed Generation Plant With Microturbine and ORC. 2010 ,		
531	Computational Study of a High-Expansion Ratio Radial Organic Rankine Cycle Turbine Stator. <i>Journal of Engineering for Gas Turbines and Power</i> , 2010 , 132,	1.7	38
530	Energy and Exergy Assessments of a New Trigeneration System Based on Organic Rankine Cycle and Biomass Combustor. 2010 ,		1
529	Heat Recovery from Internal Combustion Engine with Rankine Cycle. 2010 ,		3
528	Thermodynamic Optimization of Organic Rankine Cycles at Several Condensing Temperatures: Case Study of Waste Heat Recovery in a Natural Gas Compressor Station. 2010 , 224, 917-930		8
527	Computational study of hydrocarbon adsorption in metal-organic framework Ni ₂ (dhtp). 2011 , 115, 2842-9		12
526	Parametric Optimization and Performance Analysis of a Regenerative Organic Rankine Cycle Using Low-Grade Waste Heat for Power Generation. 2011 , 8, 173-196		26
525	Efficiency Improving Strategies of Low-temperature Heat Conversion Systems Using Organic Rankine Cycles: An Overview. 2011 , 33, 869-878		12
524	Measurement of Thermophysical Pure Component Properties for a Few Siloxanes Used as Working Fluids for Organic Rankine Cycles. 2011 , 50, 9748-9757		11
523	Parametric analysis and optimization of regenerative Clausius and organic Rankine cycles with two feedwater heaters using artificial bees colony and artificial neural network. <i>Energy</i> , 2011 , 36, 5728-5740	7.9	89

522	Heat Recovery from Aluminium Reduction Cells. 2011 , 393-398		7
521	A review of renewable energy based cogeneration technologies. 2011 , 15, 3640-3648		127
520	Low-grade heat conversion into power using organic Rankine cycles [A review of various applications. 2011 , 15, 3963-3979		769
519	Performance comparison of three trigeneration systems using organic rankine cycles. <i>Energy</i> , 2011 , 36, 5741-5754	7.9	67
518	Thermodynamic analysis of high-temperature regenerative organic Rankine cycles using siloxanes as working fluids. <i>Energy</i> , 2011 , 36, 5239-5249	7.9	103
517	Comparison of trilateral cycles and organic Rankine cycles. <i>Energy</i> , 2011 , 36, 6208-6219	7.9	136
516	A combined thermodynamic cycle used for waste heat recovery of internal combustion engine. <i>Energy</i> , 2011 , 36, 6821-6829	7.9	126
515	Thermo-economic optimization of waste heat recovery Organic Rankine Cycles. <i>Applied Thermal Engineering</i> , 2011 , 31, 2885-2893	5.8	477
514	A techno-economic analysis of small-scale, biomass-fuelled combined heat and power for community housing. 2011 , 35, 3849-3858		55
513	Energetic and exergetic analysis of steam production for the extraction of coniferous essential oils. 2011 , 35, 4045-4056		6
512	Performance evaluation of a micro turbo-expander for application in low-temperature solar electricity generation. 2011 , 12, 207-213		11
511	A thermodynamic study of waste heat recovery from GT-MHR using organic Rankine cycles. 2011 , 47, 181-196		57
510	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
509	An iterative method for modelling the air-cooled organic Rankine cycle geothermal power plant. 2011 , 35, 436-448		6
508	Performance analysis of an Organic Rankine Cycle with superheating under different heat source temperature conditions. 2011 , 88, 2995-3004		171
507	Greenhouse gas emission and exergy assessments of an integrated organic Rankine cycle with a biomass combustor for combined cooling, heating and power production. <i>Applied Thermal Engineering</i> , 2011 , 31, 439-446	5.8	87
506	Working fluids for high-temperature organic Rankine cycles. <i>Energy</i> , 2011 , 36, 199-211	7.9	261
505	A vapor injector-based novel regenerative organic Rankine cycle. <i>Applied Thermal Engineering</i> , 2011 , 31, 1238-1243	5.8	47

504	A procedure to select working fluids for Solar Organic Rankine Cycles (ORCs). 2011 , 36, 659-670	298
503	Effect of dry hydrocarbons and critical point temperature on the efficiencies of organic Rankine cycle. 2011 , 36, 1196-1202	131
502	Off-design operation of ORC and CO ₂ power production cycles for low temperature surplus heat recovery. 2011 , 6, 134-140	10
501	. 2011 ,	1
500	Performance analysis of a solar-powered organic rankine cycle engine. 2011 , 61, 3-6	11
499	Gas Turbine Bottoming Cycles for Cogenerative Applications: Comparison of Different Heat Recovery Cycle Solutions. 2011 ,	9
498	Analysis of Cogeneration System in Series Circuit Based on Regenerative Organic Rankine Cycle. 2012 , 505, 519-523	6
497	Biomass Exploitation in Efficient ORC Systems. 2012 , 260-261, 77-82	4
496	Waste Heat Produces Electrical Power System, Using Organic Rankine Cycle (ORC) from Steelworks. 2012 , 512-515, 1338-1342	
495	Exergetical Performance Assessment of Organic Rankine Cycle with Superheating. 2012 , 234, 69-73	3
494	Modeling Small Scale Solar Powered ORC Unit for Standalone Application. 2012 , 2012, 1-10	9
493	Energetic Based Organic Fluid Selection for a Solid Oxide Fuel Cell-Organic Rankine Cycle Combined System. 2012 , 622-623, 1162-1167	
492	A Thermodynamic Analysis of Cogeneration System in Parallel Circuit Based on Organic Rankine Cycle. 2012 , 505, 534-538	5
491	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
490	Development and Validation of an Advanced Simulation Model for ORC-Based Systems. 2012 ,	3
489	Selection of working fluids for micro-CHP systems with ORC. 2012 , 48, 565-570	116
488	Thermodynamic analysis of two micro CHP systems operating with geothermal and solar energy. 2012 , 97, 609-617	127
487	Possibilities of electricity generation in the Republic of Croatia from medium-temperature geothermal sources. 2012 , 98, 404-414	37

486	Dynamic modeling and multivariable control of organic Rankine cycles in waste heat utilizing processes. 2012 , 64, 908-921		79
485	Investigation of a two stage Rankine cycle for electric power plants. 2012 , 100, 285-294		56
484	Performance analysis of double organic Rankine cycle for discontinuous low temperature waste heat recovery. <i>Applied Thermal Engineering</i> , 2012 , 48, 63-71	5.8	62
483	Thermodynamic analysis of a binary power cycle for different EGS geofluid temperatures. <i>Applied Thermal Engineering</i> , 2012 , 48, 476-485	5.8	25
482	Efficiencies of power flash cycles. <i>Energy</i> , 2012 , 44, 1017-1027	7.9	55
481	Potential of zeotropic mixtures as working fluids in organic Rankine cycles. <i>Energy</i> , 2012 , 44, 623-632	7.9	200
480	Alkanes as fluids in Rankine cycles in comparison to water, benzene and toluene. <i>Energy</i> , 2012 , 45, 256-263	7.9	49
479	Energy and exergy analyses of a biomass trigeneration system using an organic Rankine cycle. <i>Energy</i> , 2012 , 45, 975-985	7.9	124
478	Exergy analysis and parameter study on a novel auto-cascade Rankine cycle. <i>Energy</i> , 2012 , 48, 539-547	7.9	25
477	Thermodynamic analysis of double-stage biomass fired Organic Rankine Cycle for micro-cogeneration. 2012 , 36, 944-952		30
476	Experimental investigation of a biomass-fired ORC-based micro-CHP for domestic applications. 2012 , 96, 374-382		166
475	HD Diesel engine equipped with a bottoming Rankine cycle as a waste heat recovery system. Part 1: Study and analysis of the waste heat energy. <i>Applied Thermal Engineering</i> , 2012 , 36, 269-278	5.8	159
474	On the role of working fluid properties in Organic Rankine Cycle performance. <i>Applied Thermal Engineering</i> , 2012 , 36, 406-413	5.8	105
473	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
472	Model of the expansion process for R245fa in an Organic Rankine Cycle (ORC). <i>Applied Thermal Engineering</i> , 2012 , 40, 248-257	5.8	39
471	Efficiency enhancement of combined cycles by suitable working fluids and operating conditions. <i>Applied Thermal Engineering</i> , 2012 , 42, 25-33	5.8	24
470	Assessment of high temperature organic Rankine cycle engine for polygeneration with MED desalination: A preliminary approach. 2012 , 53, 108-117		61
469	Integrated system approach for increase of engine combined cycle efficiency. 2012 , 60, 36-44		28

468	Energetic and exergetic investigation of an organic Rankine cycle at different heat source temperatures. <i>Energy</i> , 2012 , 38, 85-95	7.9	89
467	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
466	Zeotropic mixtures as working fluids in Organic Rankine Cycles for low-enthalpy geothermal resources. 2012 , 37, 364-370		232
465	Waste heat recovery from a landfill gas-fired power plant. 2012 , 16, 1779-1789		65
464	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
463	Performance analysis of ORC power generation system with low-temperature waste heat of aluminum reduction cell. 2012 , 24, 546-553		12
462	Thermodynamic analysis of an integrated gasification solid oxide fuel cell plant combined with an organic Rankine cycle. 2013 , 60, 226-234		54
461	Influence of intake pressure on the performance of single screw expander working with compressed air. <i>Applied Thermal Engineering</i> , 2013 , 51, 662-669	5.8	62
460	Investigation of the effect of different refrigerants on performances of binary geothermal power plants. 2013 , 76, 483-498		46
459	Assa An energy view on an Amazon residue. 2013 , 58, 76-86		13
458	Thermodynamic analysis of application of organic Rankine cycle for heat recovery from an integrated DIR-MCFC with pre-reformer. 2013 , 67, 197-207		25
457	A techno-economic assessment of biomass fuelled trigeneration system integrated with organic Rankine cycle. <i>Applied Thermal Engineering</i> , 2013 , 53, 325-331	5.8	92
456	Design and optimisation of organic Rankine cycles for waste heat recovery in marine applications using the principles of natural selection. <i>Energy</i> , 2013 , 55, 803-812	7.9	132
455	A Preliminary Turbine Design for an Organic Rankine Cycle. 2013 ,		6
454	Improved analysis of Organic Rankine Cycle based on radial flow turbine. <i>Applied Thermal Engineering</i> , 2013 , 61, 606-615	5.8	65
453	Optimization of waste heat utilization in oil field development employing a transcritical Organic Rankine Cycle (ORC) for electricity generation. <i>Applied Thermal Engineering</i> , 2013 , 59, 363-369	5.8	19
452	Computational Science and Its Applications IICCSA 2013. <i>Lecture Notes in Computer Science</i> , 2013 ,	0.9	1
451	A combined cycle utilizing LNG and low-temperature solar energy. <i>Applied Thermal Engineering</i> , 2013 , 60, 51-60	5.8	71

450	Methodology to design a bottoming Rankine cycle, as a waste energy recovering system in vehicles. Study in a HDD engine. 2013 , 104, 758-771		63
449	Implementation of a biomass-fired co-generation plant supplied with an ORC (Organic Rankine Cycle) as a heat source for small scale heat distribution system A comparative analysis under Polish and German conditions. <i>Energy</i> , 2013 , 62, 132-141	7.9	41
448	Comparison and Optimization of Mid-low Temperature Cogeneration Systems for Flue Gas in Iron and Steel Plants. 2013 , 20, 33-40		7
447	Cost-effectiveness performance analysis of organic Rankine cycle for low grade heat utilization coupling with operation condition. <i>Applied Thermal Engineering</i> , 2013 , 58, 571-584	5.8	20
446	Systematic comparison of ORC configurations by means of comprehensive performance indexes. <i>Applied Thermal Engineering</i> , 2013 , 61, 129-140	5.8	118
445	Performance improvement of a radial organic Rankine cycle turbine by means of automated computational fluid dynamic design. 2013 , 227, 637-645		42
444	Thermodynamic comparison of organic Rankine cycles employing liquid-flooded expansion or a solution circuit. <i>Applied Thermal Engineering</i> , 2013 , 61, 859-865	5.8	9
443	Comparative performance analysis of low-temperature Organic Rankine Cycle (ORC) using pure and zeotropic working fluids. <i>Applied Thermal Engineering</i> , 2013 , 54, 35-42	5.8	118
442	A review of working fluid and expander selections for organic Rankine cycle. 2013 , 24, 325-342		848
441	Techno-economic survey of Organic Rankine Cycle (ORC) systems. 2013 , 22, 168-186		883
440	Thermo-economic assessment of a micro CHP system fuelled by geothermal and solar energy. <i>Energy</i> , 2013 , 58, 45-51	7.9	71
439	Examination of the expander leaving loss in variable organic Rankine cycle operation. 2013 , 65, 66-74		24
438	Analysis of vehicle exhaust waste heat recovery potential using a Rankine cycle. <i>Energy</i> , 2013 , 49, 71-85	7.9	88
437	Generalized predictive control applied in waste heat recovery power plants. 2013 , 102, 320-326		77
436	Multi-objective, multi-period optimization of biomass conversion technologies using evolutionary algorithms and mixed integer linear programming (MILP). <i>Applied Thermal Engineering</i> , 2013 , 50, 1504-1513	5.8	82
435	Technologies for Waste Heat Recovery in Off-Shore Applications. 2013 ,		1
434	Performance Analysis and Working Fluid Optimization of a Cogenerative Organic Rankine Cycle Plant. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2013 , 135,	2.6	29
433	The Application of Rotary Vane Expanders in Organic Rankine Cycle Systems Thermodynamic Description and Experimental Results. <i>Journal of Engineering for Gas Turbines and Power</i> , 2013 , 135,	1.7	42

432	Siloxanes as Working Fluids for Mini-ORC Systems Based on High-Speed Turbogenerator Technology. <i>Journal of Engineering for Gas Turbines and Power</i> , 2013 , 135,	1.7	26
431	A comprehensive study on waste heat recovery from internal combustion engines using organic Rankine cycle. 2013 , 17, 611-624		26
430	Enhancement of the Electrical Efficiency of Commercial Fuel Cell Units by Means of an Organic Rankine Cycle: A Case Study. <i>Journal of Engineering for Gas Turbines and Power</i> , 2013 , 135,	1.7	17
429	Calculation and Optimization of Heat Transfer between the Low Exergy Heat Source and Organic Rankine Cycle Applied to Heat Recovery Systems. 2013 , 597, 45-50		
428	Exergy Analysis of Transcritical Regenerative Organic Rankine Cycle Using Isobutane. 2013 , 442, 183-186		
427	Off-design analysis of ORC and CO2 power production cycles for low-temperature surplus heat recovery. 2013 , 8, 29-36		5
426	Effect of pinch point temperature difference on cost-effective performance of organic Rankine cycle. 2013 , 37, n/a-n/a		4
425	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. 2013 , 37, 1831-1841		48
424	Air Cooled Two-Stage Rankine Cycles for Large Power Plants Operating With Different Working Fluids: Performance, Size and Cost. 2013 ,		
423	Selecting working fluids in an organic Rankine cycle for power generation from low temperature heat sources. 2014 , 81, 173-180		4
422	Thermodynamic Analysis of an Electricity-Cooling WHR Cogeneration System Aboard Ships using Siloxanes as Working Fluids. 2014 ,		0
421	A Comparative Exergoeconomic Analysis of Waste Heat Recovery from a Gas Turbine-Modular Helium Reactor via Organic Rankine Cycles. 2014 , 6, 2474-2489		40
420	Computational studies of adsorption in metal organic frameworks and interaction of nanoparticles in condensed phases. 2014 , 40, 571-584		14
419	Organic Rankine Cycle Simulation Based on Aspen Plus. 2014 , 1070-1072, 1808-1811		2
418	Numerical Study of Multistage Transcritical Organic Rankine Cycle Axial Turbines. <i>Journal of Engineering for Gas Turbines and Power</i> , 2014 , 136,	1.7	9
417	Energy Analysis and Multi-Objective Optimization of an Internal Combustion Engine-Based CHP System for Heat Recovery. 2014 , 16, 5633-5653		9
416	Study on the Characteristics of Expander Power Output Used for Offsetting Pumping Work Consumption in Organic Rankine Cycles. <i>Energies</i> , 2014 , 7, 4957-4971	3.1	8
415	Bibliography. 2014 , 195-232		

414	The Performance of a Novel Solar Cooling and Power System with Different Working Fluids. 2014 , 672-674, 86-93		1
413	Energy at the Junction of the Rivers Negro and Solimões, Contributors of the Amazon River, in the Brazilian Amazon. 2014 , 2014, 794583		3
412	Part-Load Performance of a Wet Indirectly Fired Gas Turbine Integrated with an Organic Rankine Cycle Turbogenerator. <i>Energies</i> , 2014 , 7, 8294-8316	3.1	17
411	Optimization of Biomass-Fuelled Combined Cooling, Heating and Power (CCHP) Systems Integrated with Subcritical or Transcritical Organic Rankine Cycles (ORCs). 2014 , 16, 2433-2453		22
410	Thermodynamic Analysis of a CO ₂ Part-Flow Cycle Combined With an Organic Rankine Cycle With Liquefied Natural Gas as Heat Sink. 2014 ,		7
409	Thermodynamic Analysis and Comparison Study of an Organic Rankine Cycle (ORC) and a Kalina Cycle for Waste Heat Recovery of Compressor Intercooling. 2014 ,		2
408	Multi-Criteria Analysis, Evaluation and Modeling of Future Scenario for the Energy Generation Sector in a Case Study. 2014 ,		1
407	A study of organic working fluids of an organic Rankine cycle for solar concentrating power plant. 2014 , 50, 158-167		6
406	Solar Powered Cascading Cogeneration Cycle with ORC and Adsorption Technology for Electricity and Refrigeration. 2014 , 35, 1028-1034		27
405	Crossover Equation of State for Selected Hydrocarbons (C ₄ -C ₇). 2014 , 22, 1291-1297		8
404	Adapting the pinch point analysis to improve the ORC design process. 2014 , 38, 29-40		9
403	A study on lubricant oil supply for positive-displacement expanders in small-scale organic Rankine cycles. <i>Energy</i> , 2014 , 78, 846-853	7.9	10
402	Exergetical analysis of organic flash cycle with two-phase expander for recovery of finite thermal reservoirs. <i>Journal of Thermal Science</i> , 2014 , 23, 572-579	1.9	3
401	Effect of condensation temperature glide on the performance of organic Rankine cycles with zeotropic mixture working fluids. 2014 , 115, 394-404		152
400	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
399	Alkanes as working fluids for high-temperature exhaust heat recovery of diesel engine using organic Rankine cycle. 2014 , 119, 204-217		177
398	Analysis of zeotropic mixtures used in high-temperature Organic Rankine cycle. 2014 , 84, 253-260		55
397	Design and performance measurements of an organic vapour turbine. <i>Applied Thermal Engineering</i> , 2014 , 63, 297-303	5.8	36

396	Thermodynamic analysis of an organic Rankine cycle for waste heat recovery from gas turbines. <i>Energy</i> , 2014 , 65, 91-100	7.9	86
395	Thermodynamic analysis and fluids screening for a gasoline engine exhaust heat recovery system. 2014 , 6, 023115		1
394	Exergoeconomic assessment and parametric study of a Gas Turbine-Modular Helium Reactor combined with two Organic Rankine Cycles. <i>Energy</i> , 2014 , 65, 533-543	7.9	118
393	Tri-generation systems: Energy policies, prime movers, cooling technologies, configurations and operation strategies. 2014 , 32, 396-415		174
392	Energy and exergy analysis of an organic Rankine for power generation from waste heat recovery in steel industry. 2014 , 77, 108-117		111
391	Working fluid selection for a two-phase thermofluidic oscillator: Effect of thermodynamic properties. 2014 , 124, 167-185		25
390	Thermodynamic analysis of organic Rankine cycle using zeotropic mixtures. 2014 , 130, 748-756		94
389	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
388	Optimal design of inter-plant waste energy integration. <i>Applied Thermal Engineering</i> , 2014 , 62, 633-652	5.8	43
387	New efficiency charts for the optimum design of axial flow turbines for organic Rankine cycles. <i>Energy</i> , 2014 , 77, 447-459	7.9	43
386	Potential of organic Rankine cycle using zeotropic mixtures as working fluids for waste heat recovery. <i>Energy</i> , 2014 , 77, 509-519	7.9	91
385	Design and optimization of multi-component organic rankine cycle using liquefied natural gas cryogenic exergy. <i>Energy</i> , 2014 , 77, 520-532	7.9	39
384	Minimum variance control of organic Rankine cycle based waste heat recovery. 2014 , 86, 576-586		42
383	Innovative biomass to power conversion systems based on cascaded supercritical CO2 Brayton cycles. 2014 , 69, 155-168		51
382	Thermodynamic and heat transfer analysis of heat recovery from engine test cell by Organic Rankine Cycle. 2014 , 50, 1661-1671		12
381	Improving energy efficiency of dividing-wall columns using heat pumps, Organic Rankine Cycle and Kalina Cycle. 2014 , 76, 45-59		65
380	Thermodynamic cycles optimised for medium enthalpy units of concentrating solar power. <i>Energy</i> , 2014 , 67, 176-185	7.9	25
379	Binary ORC (organic Rankine cycles) power plants for the exploitation of medium temperature geothermal sources [Part A: Thermodynamic optimization. <i>Energy</i> , 2014 , 66, 423-434	7.9	109

378	A hybrid Rankine cycle (HyRC) with ambient pressure combustion (APC). <i>Applied Thermal Engineering</i> , 2014 , 73, 484-499	5.8	2
377	Techno-economic Analysis of Biomass-fired ORC Systems for Single-family Combined Heat and Power (CHP) Applications. 2014 , 45, 1285-1294		30
376	Electrical energy production from the integrated aerobic-anaerobic treatment of organic waste by ORC. 2014 , 66, 461-467		13
375	Advances and challenges in ORC systems modeling for low grade thermal energy recovery. 2014 , 121, 79-95		147
374	Energy Recovery from Low Temperature Heat Produced During Aerobic Biological Treatment. 2014 , 45, 81-90		7
373	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
372	Systematic optimization of subcritical and transcritical organic Rankine cycles (ORCs) constrained by technical parameters in multiple applications. 2014 , 117, 11-29		205
371	Using the Peng-Robinson Equation of State to Explore Working Fluids for Higher Temperature Organic Rankine Cycles. 2014 ,		1
370	Technical and economic analysis of different cogeneration systems for energy production from biomass. 2014 , 13, 289		10
369	Influence of Heat Source Cooling Limitation on ORC System Layout and Working Fluid Selection: The Case OG Aluminium Industry. 2014 , 723-727		
368	Exergetic and Economic Analysis of Energy Recovery from the Exhaust Air of Organic Waste Aerobic Bioconversion by Organic Rankine Cycle. 2015 , 81, 272-281		10
367	Feasibility of Small-size Biomass-fueled Hirn-cycle Cogeneration Plants. 2015 , 81, 155-164		
366	Organic Rankine Cycles Including Fluid Selection. 2015 , 1-33		1
365	Biomass-Fueled Organic Rankine Cycle-Based Cogeneration System. 2015 , 247-261		1
364	Exergetic Analysis of an Integrated Tri-Generation Organic Rankine Cycle. <i>Energies</i> , 2015 , 8, 8835-8856	3.1	17
363	Exergy analysis of a small gasification-ICE integrated system for CHP production fueled with Mediterranean agro-food processing wastes: The SMART-CHP. 2015 , 83, 510-517		24
362	Thermo-economic optimization of low-grade waste heat recovery in Yazd combined-cycle power plant (Iran) by a CO ₂ transcritical Rankine cycle. <i>Energy</i> , 2015 , 86, 74-84	7.9	32
361	Energy and Economic Analysis of a Residential Solar Organic Rankine Plant. 2015 , 81, 558-568		14

360	Performance analysis of an organic Rankine cycle with internal heat exchanger having zeotropic working fluid. 2015 , 6, 155-161		40
359	Small scale biomass CHP: Techno-economic performance of steam vs gas turbines with bottoming ORC. 2015 , 82, 825-832		20
358	State of Art on ORC Applications for Waste Heat Recovery and Micro-cogeneration for Installations up to 100kWe. 2015 , 82, 994-1001		20
357	Systematic Fluid Selection for Organic Rankine Cycles (ORC) and Performance Analysis for a Combined High and Low Temperature Cycle. 2015 ,		5
356	Experimental Study and Numerical Simulation of a Regenerative ORC Utilizing Low-Grade Heat Source. 2015 , 141, 04014011		7
355	Power generation and heating performances of integrated system of ammonia-water Kalina Rankine cycle. 2015 , 92, 517-522		25
354	Parametric investigation of working fluids for organic Rankine cycle applications. <i>Applied Thermal Engineering</i> , 2015 , 90, 64-74	5.8	25
353	Energy and exergy analysis of integrated system of ammonia-water Kalina Rankine cycle. <i>Energy</i> , 2015 , 90, 2028-2037	7.9	38
352	A graphical criterion for working fluid selection and thermodynamic system comparison in waste heat recovery. <i>Applied Thermal Engineering</i> , 2015 , 89, 772-782	5.8	43
351	Thermal performance analysis of a reheating-regenerative organic Rankine cycle using different working fluids. 2015 , 21,		1
350	Modeling and optimization of a shell and louvered fin mini-tubes heat exchanger in an ORC powered by an internal combustion engine. 2015 , 101, 697-712		39
349	Energy analysis of Organic Rankine Cycles for biomass applications. 2015 , 19, 193-205		16
348	The contribution to energy production of the aerobic bioconversion of organic waste by an organic Rankine cycle in an integrated anaerobic-aerobic facility. 2015 , 81, 770-778		6
347	Computational study of the diffuser angle effect in the design of a waste heat recovery system for oil field cabins. <i>Energy</i> , 2015 , 84, 219-238	7.9	5
346	An approach for IC engine coolant energy recovery based on low-temperature organic Rankine cycle. 2015 , 22, 727-734		6
345	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
344	Simultaneous Optimal Design of Organic Mixtures and Rankine Cycles for Low-Temperature Energy Recovery. 2015 , 54, 3367-3383		27
343	Parametric analysis and optimization of a small-scale radial turbine for Organic Rankine Cycle. <i>Energy</i> , 2015 , 83, 696-711	7.9	66

342	Extension of the SU2 open source CFD code to the simulation of turbulent flows of fluids modelled with complex thermophysical laws. 2015 ,		21
341	Parametric Optimization of Brayton /Organic Trans-critical Combined Cycle for Flue Gas Waste Heat Recovery. 2015 , 75, 1590-1595		3
340	A genetic optimization of a hybrid organic Rankine plant for solar and low-grade energy sources. <i>Energy</i> , 2015 , 91, 807-815	7.9	23
339	Thermo-economic Assessment of Small Scale Biomass CHP: Steam Turbines vs ORC in Different Energy Demand Segments. 2015 , 75, 1609-1617		16
338	Geometry Optimization of Power Production Turbine for a Low Enthalpy (100°C) ORC System. 2015 , 75, 1624-1630		5
337	Recuperated power cycle analysis model: Investigation and optimisation of low-to-moderate resource temperature Organic Rankine Cycles. <i>Energy</i> , 2015 , 93, 484-494	7.9	11
336	Characteristics of Organic Rankine Cycles with Zeotropic Mixture for Heat Recovery of Exhaust Gas of Boiler. 2015 , 75, 1093-1101		12
335	A general framework to select working fluid and configuration of ORCs for low-to-medium temperature heat sources. 2015 , 156, 727-746		110
334	Performance analysis of a combined organic Rankine cycle and vapor compression cycle for power and refrigeration cogeneration. <i>Applied Thermal Engineering</i> , 2015 , 91, 964-974	5.8	62
333	Design and optimization of a novel organic Rankine cycle with improved boiling process. <i>Energy</i> , 2015 , 91, 48-59	7.9	10
332	Structural Optimization and Experimental Investigation of the Organic Rankine Cycle for Solar Thermal Power Generation. <i>Springer Theses</i> , 2015 ,	0.1	6
331	Modelling and optimization of organic Rankine cycle based on a small-scale radial inflow turbine. 2015 , 91, 186-198		78
330	One-stage approach for the integrated design of ORC processes and working fluid using PC-SAFT. 2016 , 38, 1335-1340		2
329	Coupling of a Liquid Organic Hydrogen Carrier System with Industrial Heat. 2016 , 39, 1570-1574		12
328	Performance Simulation of 3-Stage Gas Turbine CHP Plant for Marine Applications. 2016 ,		
327	Electric Power Generation From Low-Enthalpy Heat Recovery in FPSOs Using Kalina Cycle. 2016 ,		
326	Comparative Investigation of the Performances of Subcritical and Transcritical Biomass-Fired ORC Systems for Micro-scale CHP Applications. 2016 , 83, 855-862		5
325	Geothermal power plants with maximized specific power output: Optimal working fluid and operating conditions of subcritical and transcritical Organic Rankine Cycles. 2016 , 64, 111-124		37

324	Analysis of two heat storage integrations for an Organic Rankine Cycle Parabolic trough solar power plant. 2016 , 125, 353-367		54
323	Analytical thermal efficiency of medium-low temperature organic Rankine cycles derived from entropy-generation analysis. <i>Energy</i> , 2016 , 106, 121-130	7.9	20
322	Thermo-economic comparisons between solar steam Rankine and organic Rankine cycles. <i>Applied Thermal Engineering</i> , 2016 , 105, 862-875	5.8	47
321	Exergoeconomic analysis and multi objective optimization of performance of a Carbon dioxide power cycle driven by geothermal energy with liquefied natural gas as its heat sink. 2016 , 119, 422-434		102
320	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
319	Dynamic Simulation of Fixed-Bed Chemical-Looping Combustion Reactors Integrated in Combined Cycle Power Plants. 2016 , 4, 1209-1220		15
318	A systematic method to customize an efficient organic Rankine cycle (ORC) to recover waste heat in refineries. 2016 , 179, 302-315		29
317	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
316	Innovative CHP concept for ORC and its benefit compared to conventional concepts. 2016 , 183, 478-490		32
315	Organic Rankine Cycle for Residual Heat to Power Conversion in Natural Gas Compressor Station. Part I: Modelling and Optimisation Framework. 2016 , 61, 245-258		
314	Organic Rankine Cycle for Residual Heat to Power Conversion in Natural Gas Compressor Station. Part II: Plant Simulation and Optimisation Study. 2016 , 61, 259-274		3
313	Organic Rankine cycle performance evaluation and thermoeconomic assessment with various applications part II: Economic assessment aspect. 2016 , 64, 490-505		46
312	Categorization and analysis of heat sources for organic Rankine cycle systems. 2016 , 64, 790-805		108
311	Using tree crop pruning residues for energy purposes: A spatial analysis and an evaluation of the economic and environmental sustainability. 2016 , 95, 124-131		18
310	Techno-economic assessment of thermal energy storage solutions for a 1 MWe CSP-ORC power plant. 2016 , 140, 206-218		47
309	A study of the applicability of a straw-fired batch boiler as a heat source for a small-scale cogeneration unit. 2016 , 37, 503-515		8
308	Criteria for selection of working fluid in low-temperature ORC. 2016 , 37, 429-440		8
307	Effect of Evaporation Temperature on the Performance of Organic Rankine Cycle in Near-Critical Condition. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2016 , 138,	2.6	6

306	Working fluid selection for organic Rankine cycles – Impact of uncertainty of fluid properties. <i>Energy</i> , 2016 , 109, 987-997	7.9	43
305	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
304	Analysis of the quantitative correlation between the heat source temperature and the critical temperature of the optimal pure working fluid for subcritical organic Rankine cycles. <i>Applied Thermal Engineering</i> , 2016 , 99, 383-391	5.8	24
303	Systematic Fluid Selection for Organic Rankine Cycles and Performance Analysis for a Combined High and Low Temperature Cycle. <i>Journal of Engineering for Gas Turbines and Power</i> , 2016 , 138,	1.7	14
302	Investigation on the fluid selection and evaporation parametric optimization for sub- and supercritical organic Rankine cycle. <i>Energy</i> , 2016 , 96, 59-68	7.9	34
301	A review of waste heat recovery technologies for maritime applications. 2016 , 111, 315-328		173
300	Optimum design method of Organic Rankine Cycle system based on semi-empirical model and experimental validation. 2016 , 108, 85-95		14
299	Thermo-economic analysis and selection of working fluid for solar organic Rankine cycle. <i>Applied Thermal Engineering</i> , 2016 , 95, 471-481	5.8	100
298	System design and control for waste heat recovery of automotive engines based on Organic Rankine Cycle. <i>Energy</i> , 2016 , 102, 276-286	7.9	44
297	The ORC-PD: A versatile tool for fluid selection and Organic Rankine Cycle unit design. <i>Energy</i> , 2016 , 102, 605-620	7.9	55
296	A cascade organic Rankine cycle power generation system using hybrid solar energy and liquefied natural gas. 2016 , 127, 136-146		63
295	A tri-generation plant fuelled with olive tree pruning residues in Apulia: An energetic and economic analysis. 2016 , 89, 411-421		38
294	A new solar based multigeneration system with hot and cold thermal storages and hydrogen production. 2016 , 91, 302-314		46
293	Analysis of a novel solar electricity generation system using cascade Rankine cycle and steam screw expander. 2016 , 165, 627-638		64
292	Biomass based microturbine system for electricity generation for isolated communities in amazon region. 2016 , 91, 323-333		8
291	Thermodynamic analyses and sustainability assessment of solar-based organic Rankine cycle. 2016 , 19, 91		4
290	Maximizing ORC performance with optimal match of working fluid with system design. <i>Applied Thermal Engineering</i> , 2016 , 100, 11-19	5.8	42
289	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

288	Organic Rankine cycle performance evaluation and thermoeconomic assessment with various applications part I: Energy and exergy performance evaluation. 2016 , 53, 477-499		82
287	Design optimization of partial admission axial turbine for ORC service. <i>Applied Thermal Engineering</i> , 2016 , 96, 18-25	5.8	24
286	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
285	A New Supercritical Carbon Dioxide Brayton Cycle with High Efficiency. 2017 , 46, 465-482		6
284	1-stage CoMT-CAMD: An approach for integrated design of ORC process and working fluid using PC-SAFT. 2017 , 159, 217-230		55
283	Integrated thermoeconomic optimization of standard and regenerative ORC for different heat source types and capacities. <i>Energy</i> , 2017 , 121, 570-598	7.9	49
282	Uncertainty assessment of equations of state with application to an organic Rankine cycle View all notes . 2017 , 115, 1225-1244		15
281	A study on optimal composition of zeotropic working fluid in an Organic Rankine Cycle (ORC) for low grade heat recovery. <i>Energy</i> , 2017 , 123, 326-339	7.9	48
280	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
279	A multi-fluid PSO-based algorithm for the search of the best performance of sub-critical Organic Rankine Cycles. <i>Energy</i> , 2017 , 129, 42-58	7.9	19
278	Process integration and superstructure optimization of Organic Rankine Cycles (ORCs) with heat exchanger network synthesis. 2017 , 107, 257-270		39
277	A novel control strategy for ORC system with unsteady heat source. 2017 ,		
276	Industrial waste-heat recovery through integrated computer-aided working-fluid and ORC system optimisation using SAFT-Mie. 2017 , 150, 851-869		55
275	A Combined Organic Rankine Cycle With Double Modes Used for Internal Combustion Engine Waste Heat Recovery. <i>Journal of Engineering for Gas Turbines and Power</i> , 2017 , 139,	1.7	6
274	Operational profile based thermal-economic analysis on an Organic Rankine cycle using for harvesting marine engine exhaust waste heat. 2017 , 146, 107-123		72
273	Biomass-based chemical looping technologies: the good, the bad and the future. 2017 , 10, 1885-1910		248
272	Energy and exergy analysis of novel combined cooling and power (CCP) cycles. <i>Applied Thermal Engineering</i> , 2017 , 124, 152-169	5.8	62
271	Performance analysis of the coupled system of heat pump and double stage extraction rankine cycle. 2017 , 36, 1856-1863		

270	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
269	From molecules to dollars: integrating molecular design into thermo-economic process design using consistent thermodynamic modeling. 2017 , 2, 301-320		40
268	Performance evaluation of organic Rankine cycle systems utilizing low grade energy at different temperature. <i>Energy</i> , 2017 , 127, 397-407	7.9	20
267	A novel design methodology for waste heat recovery systems using organic Rankine cycle. 2017 , 142, 1-12		13
266	Review of organic Rankine cycle for small-scale applications. 2017 , 134, 135-155		188
265	Conceptual Design for CHP System for Class III Power. 2017 ,		
264	Towards development of 1-10 kW pilot ORC units operating with hexamethyldisiloxane and using rotary vane expander. 2017 , 129, 826-833		14
263	Integration of an Organic Rankine Cycle and a Photovoltaic Unit for Micro-Scale CHP Applications in the Residential Sector. 2017 , 126, 597-604		8
262	An improved modeling for low-grade organic Rankine cycle coupled with optimization design of radial-inflow turbine. 2017 , 153, 60-70		34
261	Thermodynamic analysis of organic Rankine cycle used for flue gases from biogas combustion. 2017 , 153, 627-640		25
260	Analysis of a high temperature heat pump using BY-5 as refrigerant. <i>Applied Thermal Engineering</i> , 2017 , 127, 1461-1468	5.8	21
259	Cost Benefit Analysis of Waste Heat to Power Option for Multistage Air Compressor. 2017 ,		
258	Thermoeconomic analysis of recuperative sub- and transcritical organic Rankine cycle systems. 2017 , 129, 58-65		11
257	Modeling and optimal steady-state operating points of an ORC waste heat recovery system for diesel engines. 2017 , 206, 329-345		28
256	A multi-objective optimization approach for the selection of working fluids of geothermal facilities: Economic, environmental and social aspects. 2017 , 203, 962-972		27
255	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
254	Performance of working-fluid mixtures in ORC-CHP systems for different heat-demand segments and heat-recovery temperature levels. 2017 , 148, 1508-1524		57
253	Supersonic turbine stator design using dense gas with numerical method. 2017 , 31, 4297-4303		3

252	Micro-combined heat and power systems (micro-CHP) based on renewable energy sources. 2017 , 154, 262-285		107
251	SU2: the Open-Source Software for Non-ideal Compressible Flows. 2017 , 821, 012013		11
250	Energetic Investigation of Organic Rankine Cycles (ORCs) for the Exploitation of Low-Temperature Geothermal Sources [A possible application in Slovakia. 2017 , 109, 833-840		7
249	Thermodynamic analysis of a low-temperature organic Rankine cycle power plant operating at off-design conditions. <i>Applied Thermal Engineering</i> , 2017 , 113, 937-951	5.8	15
248	Comparative performance study of different configurations of organic Rankine cycle using low-grade waste heat for power generation. 2017 , 14, 212-228		2
247	Organic Rankine Cycle system performance targeting and design for multiple heat sources with simultaneous working fluid selection. 2017 , 142, 1950-1970		25
246	Multi-objective optimization and grey relational analysis on configurations of organic Rankine cycle. <i>Applied Thermal Engineering</i> , 2017 , 114, 1355-1363	5.8	43
245	Updraft gasifier and ORC system for high ash content biomass: A modelling and simulation study. 2017 , 156, 394-406		25
244	Power generation from low temperature heat recovery. 2017 , 75, 402-414		35
243	Performance estimation of Tesla turbine applied in small scale Organic Rankine Cycle (ORC) system. <i>Applied Thermal Engineering</i> , 2017 , 110, 318-326	5.8	39
242	Exergy, economic and environmental impact assessment and optimization of a novel cogeneration system including a gas turbine, a supercritical CO ₂ and an organic Rankine cycle (GT-HRSG/SCO 2). <i>Applied Thermal Engineering</i> , 2017 , 110, 1315-1330	5.8	135
241	Thermodynamic and Thermo-economic Analysis of Integrated Organic Rankine Cycle for Waste Heat Recovery from Vapor Compression Refrigeration Cycle. 2017 , 143, 192-198		18
240	Integration of Organic Rankine Cycle and Scroll Expander Models for Effective Design and Performance Using Organic Working Fluids. 2017 ,		
239	Biomass O.R.C. cogeneration [A case study. 2017 ,		2
238	Nonlinear adaptive control of a transcritical Organic Rankine Cycle. 2017 ,		1
237	Energy and exergy analysis of a combined refrigeration and waste heat driven organic Rankine cycle system. 2017 , 21, 2621-2631		7
236	Small Scale Organic Rankine Cycle (ORC): A Techno-Economic Review. <i>Energies</i> , 2017 , 10, 413	3.1	97
235	Thermoeconomic Evaluation of Modular Organic Rankine Cycles for Waste Heat Recovery over a Broad Range of Heat Source Temperatures and Capacities. <i>Energies</i> , 2017 , 10, 269	3.1	20

234	Numerical Analysis of an Organic Rankine Cycle with Adjustable Working Fluid Composition, a Volumetric Expander and a Recuperator. <i>Energies</i> , 2017 , 10, 440	3.1	8
233	Recent trends in the development of heat exchangers for geothermal systems. 2017 , 923, 012044		1
232	Dynamic Simulation of an Organic Rankine Cycle Detailed Model of a Kettle Boiler. <i>Energies</i> , 2017 , 10, 548	3.1	8
231	Optimizations of the organic Rankine cycle-based domestic CHP using biomass fuel. 2018 , 160, 31-47		37
230	Estimation of the Solar Organic Rankine Cycle System Technology Potential in Developing Countries. 2018 , 115, 35-56		1
229	Energetic optimization of regenerative Organic Rankine Cycle (ORC) configurations. 2018 , 159, 353-370		86
228	Dynamic performance investigation of organic Rankine cycle driven by solar energy under cloudy condition. <i>Energy</i> , 2018 , 147, 122-141	7.9	26
227	Exergetic optimization of double stage Organic Rankine Cycle (ORC). <i>Energy</i> , 2018 , 149, 296-313	7.9	38
226	Investigation of a gas-fuelled water heater based on combined power and heat pump cycles. 2018 , 212, 1476-1488		20
225	Profit optimization of sustainable low-to-medium temperature waste heat recovering management. 2018 , 118, 330-348		2
224	Thermodynamic analysis and performance improvement of Irem geothermal power plant in Turkey: A case study of organic Rankine cycle. 2018 , 37, 1523-1539		5
223	Issues, comparisons, turbine selections and applications [An overview in organic Rankine cycle. 2018 , 166, 474-488		71
222	Thermodynamic evaluation on the effect of working fluid type and fluids critical properties on design and performance of Organic Rankine Cycles. 2018 , 188, 253-263		43
221	A Review on the Performance of Organic Rankine Cycle with Different Heat Sources and Absorption Chillers. 2018 , 33, 6-37		3
220	Full Issue PDF Volume 33, Issue 2. 2018 , 33, 1-80		
219	Thermodynamic analysis of low-grade solar heat source-powered modified organic Rankine cycle using zeotropic mixture (Butane/R1234yf). 2018 , 39, 606-612		5
218	Design and operation optimization of organic Rankine cycle coupled trigeneration systems. <i>Energy</i> , 2018 , 142, 666-677	7.9	25
217	Working fluids selection for flashing organic rankine regeneration cycle driven by low-medium heat source. 2018 , 37, 1201-1209		4

216	Optimization of organic Rankine cycle power systems considering multistage axial turbine design. 2018 , 209, 339-354		31
215	Recent research trends in organic Rankine cycle technology: A bibliometric approach. 2018 , 81, 552-562		87
214	Assessment of different configurations of solar energy driven organic flash cycles (OFCs) via exergy and exergoeconomic methodologies. 2018 , 115, 1231-1248		25
213	Biomass gasification coupled to an EFGT-ORC combined system to maximize the electrical energy generation: A case applied to the olive oil industry. <i>Energy</i> , 2018 , 144, 41-53	7.9	40
212	VirtuaSchlieren: A hybrid GPU/CPU-based schlieren simulator for ideal and non-ideal compressible-fluid flows. 2018 , 319, 647-661		4
211	Design and Development of Innovative Protracted-Finned Counter Flow Heat Exchanger (PFCHE) for an Engine WHR and Its Impact on Exhaust Emissions. <i>Energies</i> , 2018 , 11, 2717	3.1	16
210	Investigation of Integrated Organic Rankine Cycles and Wind Turbines for Micro-Scale Applications. 2018 , 148, 986-993		6
209	Case study of power generation and CO2 emissions reduction potential from introduction of Organic Rankine Cycle on Atyrau Oil Refinery Plant Vacuum Distillation Unit. 2018 , 5, 22859-22870		0
208	Performance analysis of organic Rankine cycle power generation system for intercooled cycle gas turbine. 2018 , 10, 168781401879407		3
207	Reverse Engineering of Working Fluid Selection for Industrial Heat Pump Based on Monte Carlo Sampling and Uncertainty Analysis. 2018 , 57, 13463-13477		8
206	Thermodynamic analysis of integrated LNG regasification process configurations. 2018 , 69, 1-27		33
205	Model predictive control of an automotive waste heat recovery system. 2018 , 81, 28-42		17
204	Exergetic and heat load optimization of high temperature organic Rankine cycle. 2018 , 171, 48-58		16
203	Electricity generation from pyrolysis gas produced in charcoal manufacture: Technical and economic analysis. 2018 , 194, 219-242		13
202	Effects of physical and chemical properties of working fluids on thermodynamic performances of medium-low temperature organic Rankine cycles (ORCs). 2018 , 171, 742-749		17
201	Engine Load Effects on the Energy and Exergy Performance of a Medium Cycle/Organic Rankine Cycle for Exhaust Waste Heat Recovery. 2018 , 20,		8
200	A recent review of waste heat recovery by Organic Rankine Cycle. <i>Applied Thermal Engineering</i> , 2018 , 143, 660-675	5.8	191
199	Towards working fluid properties and selection of Rankine cycle based waste heat recovery (WHR) systems for internal combustion engines I A fundamental analysis. <i>Applied Thermal Engineering</i> , 2018 , 142, 502-510	5.8	20

198	Energy Exploitation of High-Temperature Geothermal Sources in Volcanic Areas— Possible ORC Application in Phlegraean Fields (Southern Italy). <i>Energies</i> , 2018 , 11, 618	3.1	4
197	A Generalised Assessment of Working Fluids and Radial Turbines for Non-Recuperated Subcritical Organic Rankine Cycles. <i>Energies</i> , 2018 , 11, 800	3.1	17
196	Reversible Heat Pump—Organic Rankine Cycle Systems for the Storage of Renewable Electricity. <i>Energies</i> , 2018 , 11, 1352	3.1	25
195	Experimental Study of an Organic Rankine Cycle Using n-Hexane as the Working Fluid and a Radial Turbine Expander. 2018 , 3, 31		4
194	Exergoeconomic optimization of a combined cycle power plant— bottoming cycle using organic working fluids. 2018 , 171, 1721-1736		6
193	Multi-objective optimization of a combined cycle using exergetic and exergoeconomic approaches. 2018 , 171, 1761-1772		16
192	Computer-aided working-fluid design, thermodynamic optimisation and thermoeconomic assessment of ORC systems for waste-heat recovery. <i>Energy</i> , 2018 , 161, 1181-1198	7.9	62
191	Thermoeconomic multi-objective optimization of an organic Rankine cycle (ORC) adapted to an existing solid waste power plant. 2018 , 168, 308-319		45
190	Global optimization of the diesel engine—organic Rankine cycle (ORC) combined system based on particle swarm optimizer (PSO). 2018 , 174, 248-259		30
189	Effect factors of part-load performance for various Organic Rankine cycles using in engine waste heat recovery. 2018 , 174, 504-515		24
188	The performance assessment of a combined organic Rankine-vapor compression refrigeration cycle aided hydrogen liquefaction. 2018 , 43, 20192-20202		6
187	Performance Assessments of Organic Rankine Cycle With Internal Heat Exchanger Based on Exergetic Approach. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2018 , 140,	2.6	11
186	Full Issue PDF Volume 115, Issue 3. 2018 , 115, 1-80		
185	Toward the Integrated Design of Organic Rankine Cycle Power Plants: A Method for the Simultaneous Optimization of Working Fluid, Thermodynamic Cycle, and Turbine. <i>Journal of Engineering for Gas Turbines and Power</i> , 2019 , 141,	1.7	4
184	CFD analysis of a tube-in-tube heat exchanger to recover waste heat for food drying. 2019 , 3, 169-186		4
183	Thermodynamic analysis and optimization of a novel organic Rankine cycle-based micro-scale cogeneration system using biomass fuel. 2019 , 198, 111803		21
182	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
181	Solar thermal power plants. 2019 , 179-235		4

180	Contribution of Metal-Organic-Heat Carrier nanoparticles in a R245fa low-grade heat recovery Organic Rankine Cycle. 2019 , 199, 111960		8
179	Experimental investigation and performance analysis of an Organic Rankine Cycle for low-temperature heat to electricity generation. 2019 , 14, 500-507		
178	Development of Parabolic Trough Collector Based Power and Ejector Refrigeration System Using Eco-Friendly Refrigerants. 2019 , 233-308		1
177	A modeling of electricity generation by using geothermal assisted organic Rankine cycle with internal heat recovery. 2019 , 1-17		5
176	Energy, exergy, and environmental (3E) assessments of an integrated molten carbonate fuel cell (MCFC), Stirling engine and organic Rankine cycle (ORC) cogeneration system fed by a biomass-fueled gasifier. 2019 , 44, 31488-31505		38
175	Determination of the optimal working fluid for the turbine recovering combustion engine exhaust gases heat. <i>E3S Web of Conferences</i> , 2019 , 91, 01001	0.5	2
174	Design of a rotary expander as an expansion device integrated into organic Rankine cycle (ORC) to recover low-grade waste heat. <i>Applied Thermal Engineering</i> , 2019 , 163, 114326	5.8	14
173	Thermodynamic analysis of ORC solar power plant operating in southern Tunisia. 2019 ,		
172	Working fluid selection for a combined system based on coupling of organic Rankine cycle and air source heat pump cycle. 2019 , 158, 1485-1490		5
171	Evaluation of working fluids for organic Rankine cycles using group-contribution methods and second-law-based models. 2019 , 26, 2234-2243		
170	Technical and economic feasibility of organic Rankine cycle-based waste heat recovery systems on feeder ships: Impact of nitrogen oxides emission abatement technologies. 2019 , 183, 577-589		32
169	Analysis, economical and technical enhancement of an organic Rankine cycle recovering waste heat from an exhaust gas stream. 2019 , 7, 230-254		17
168	Selection and Evaluation of Dry and Isentropic Organic Working Fluids Used in Organic Rankine Cycle Based on the Turning Point on Their Saturated Vapor Curves. <i>Journal of Thermal Science</i> , 2019 , 28, 643-658	1.9	19
167	Nichtlineare modellprädiktive Regelung eines Abwärmegewinnungssystems für LKW-Dieselmotoren. 2019 , 67, 129-144		
166	Dynamic analysis and control strategies of Organic Rankine Cycle system for waste heat recovery using zeotropic mixture as working fluid. 2019 , 192, 321-334		27
165	Off-design performance analysis of a novel hybrid binary geothermal-biomass power plant in extreme environmental conditions. 2019 , 195, 210-225		15
164	Review of the Working Fluid Thermal Stability for Organic Rankine Cycles. <i>Journal of Thermal Science</i> , 2019 , 28, 597-607	1.9	19
163	Development of Total Capital Investment Estimation Module for Waste Heat Power Plant. <i>Energies</i> , 2019 , 12, 1492	3.1	2

162	Operation Characteristics and Transient Simulation of an ICE-ORC Combined System. 2019 , 9, 1639		5
161	Multi-objective optimization design of plate-fin vapor generator for supercritical organic Rankine cycle. 2019 , 43, 2312		6
160	Thermodynamics analysis of hybrid solar-biomass power generation system. 2019 ,		
159	Fluids selection and performance analysis of a polygeneration plant with exergy recovery from LNG-regasification. <i>Energy</i> , 2019 , 176, 1020-1036	7.9	20
158	Study of the operation of straw-fired boiler dedicated to steam generation for micro-cogeneration system. 2019 , 214, 012108		
157	Experimental investigation of modern ORC working fluids R1224yd(Z) and R1233zd(E) as replacements for R245fa. 2019 , 240, 946-963		69
156	A Distributed Generation Hybrid System for Electric Energy Boosting Fueled with Olive Industry Wastes. <i>Energies</i> , 2019 , 12, 500	3.1	7
155	Options for using solid oxide fuel cell technology in complex integrated biomass gasification cogeneration plants. 2019 , 122, 400-413		5
154	Biomass based Rankine cycle, ORC and gasification system for electricity generation for isolated communities in Bonfim city, Brazil. 2019 , 13, 737-743		2
153	Integration of Downdraft Gasifier with Fuel Cell and Organic Rankine Cycle for Power Generation. 2019 ,		1
152	. 2019 ,		0
151	Investigation of the energy performance of multi-source integrated CHP systems for small-scale applications. 2019 ,		3
150	Pure and Hydrocarbon Binary Mixtures as Possible Alternatives Working Fluids to the Usual Organic Rankine Cycles Biomass Conversion Systems. <i>Energies</i> , 2019 , 12, 4140	3.1	14
149	System simulation and experimental verification: Biomass-based integrated gasification combined cycle (BIGCC) coupling with chemical looping gasification (CLG) for power generation. 2019 , 241, 118-128		35
148	A study of working fluids for Organic Rankine Cycles (ORCs) operating across and below ambient temperature to utilize Liquefied Natural Gas (LNG) cold energy. <i>Energy</i> , 2019 , 167, 730-739	7.9	43
147	Environmental sustainability of integrating the organic Rankin cycle with anaerobic digestion and combined heat and power generation. 2019 , 658, 684-696		18
146	Performance analysis and multi-objective optimization of an organic Rankine cycle with binary zeotropic working fluid employing modified artificial bee colony algorithm. 2019 , 136, 1645-1665		16
145	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

144	Thermodynamic and multi-objective optimisation of solar-driven Organic Rankine Cycle using zeotropic mixtures. 2019 , 40, 135-151		7
143	Experimental development of a kilowatt-scale biomass fired micro CHP unit based on ORC with rotary vane expander. 2020 , 147, 2882-2895		21
142	Analysis of multi-source energy system for small-scale domestic applications. Integration of biodiesel, solar and wind energy. <i>Energy Reports</i> , 2020 , 6, 652-659	4.6	7
141	Optimization of an adapted Kalina cycle to an actual municipal solid waste power plant by using NSGA-II method. 2020 , 149, 1146-1156		18
140	Potential of Organic Rankine Cycles for Unmanned Underwater Vehicles. <i>Energy</i> , 2020 , 192, 116559	7.9	9
139	Energy and exergy analysis and optimization of a gas turbine cycle coupled by a bottoming organic Rankine cycle. 2020 , 141, 495-510		17
138	Thermal efficiency analysis of Organic Rankine Cycle (ORC) System from low-grade heat resources using various working fluids based on simulation. 2020 , 542, 012047		0
137	Simultaneous Optimization Method for Directly Integrating ORC with HEN to Achieve Exergy-Economy Multiobjective. 2020 , 59, 21488-21501		6
136	Optimization of an improved power cycle for geothermal applications in Iran. <i>Energy</i> , 2020 , 209, 118381	7.9	7
135	Experimental investigation of a prototype semi-dry revolving vane expander: Design challenges and performance criteria. <i>Energy</i> , 2020 , 205, 118063	7.9	6
134	A Predictive Equation of State to Perform an Extending Screening of Working Fluids for Power and Refrigeration Cycles. 2020 ,		
133	Optimal Design of a Ljungström Turbine for ORC Power Plants: From a 2D model to a 3D CFD Validation. 2020 , 5, 19		2
132	A low-grade heat Organic Rankine Cycle driven by hybrid solar collectors and a waste heat recovery system. <i>Energy Reports</i> , 2020 , 6, 3425-3445	4.6	19
131	Review of the fuel properties, characterisation techniques, and pre-treatment technologies for oil palm empty fruit bunches. 2020 , 1		4
130	Integrated Geothermal Energy Systems for Small-Scale Combined Heat and Power Production: Energy and Economic Investigation. 2020 , 10, 6639		9
129	Thermodynamic performance limits of the organic Rankine cycle: Working fluid parameterization based on corresponding states modeling. 2020 , 217, 113011		13
128	Evaluation of Using Gas Turbine to Increase Efficiency of the Organic Rankine Cycle (ORC). <i>Energies</i> , 2020 , 13, 1499	3.1	9
127	Review of innovative approaches of thermo-mechanical refrigeration systems using low grade heat. 2020 , 44, 9808-9838		11

126	The potential of halogenated olefins as working fluids for organic Rankine cycle technology. <i>Journal of Molecular Liquids</i> , 2020 , 310, 112971	6	1
125	Application of modified Kalina cycle in biomass chp plants. 2020 , 44, 8754-8768		
124	Thermodynamic performance analysis a power and cooling generation system based on geothermal flash, organic Rankine cycles, and ejector refrigeration cycle; application of zeotropic mixtures. <i>Sustainable Energy Technologies and Assessments</i> , 2020 , 40, 100749	4.7	18
123	Thermo-Economic Performance of an Organic Rankine Cycle System Recovering Waste Heat Onboard an Offshore Service Vessel. 2020 , 8, 351		5
122	Design of organic Rankine cycle power systems for maritime applications accounting for engine backpressure effects. <i>Applied Thermal Engineering</i> , 2020 , 178, 115527	5.8	12
121	Economic and Exergo-Advance Analysis of a Waste Heat Recovery System Based on Regenerative Organic Rankine Cycle under Organic Fluids with Low Global Warming Potential. <i>Energies</i> , 2020 , 13, 1317 ^{2,1}		26
120	Consequential Life Cycle Assessment of energy generation from waste wood and forest residues: The effect of resource-efficient additives. 2020 , 259, 120948		9
119	Performance analysis of different orc power plant configurations using solar and geothermal heat sources. 2020 , 17, 349-362		11
118	Experimental investigation of a novel waste heat based food drying system. 2020 , 281, 110002		13
117	Techno-economic analysis of a modified concentrating photovoltaic/organic Rankine cycle system. 2020 , 1-13		4
116	Potential of liquefied natural gas cold energy recovery on board ships. 2020 , 271, 122519		9
115	Exergetic performance of CO ₂ and ultra-low GWP refrigerant mixtures as working fluids in ORC for waste heat recovery. <i>Energy</i> , 2020 , 203, 117801	7.9	13
114	Influence of heat exchanger pinch point on the control strategy of Organic Rankine cycle (ORC). <i>Energy</i> , 2020 , 207, 118196	7.9	9
113	Techno-Economic Analysis of Biofuel, Solar and Wind Multi-Source Small-Scale CHP Systems. <i>Energies</i> , 2020 , 13, 3002	3.1	8
112	A novel self-seeding method for particle image velocimetry measurements of subsonic and supersonic flows. 2020 , 10, 10834		1
111	Residential cogeneration and trigeneration. 2020 , 141-175		
110	Numerical studies on the performance of ammonia ejectors used in ocean thermal energy conversion system. 2020 , 161, 766-776		2
109	A study of effects on economic indicators for different heat source temperature on thermal storage-based solar organic Rankine cycle system. 2020 , 2, e12102		2

108	Thermo-Economic Optimization of Organic Rankine Cycle (ORC) Systems for Geothermal Power Generation: A Comparative Study of System Configurations. 2020 , 8,		14
107	Performance investigation of two stage Organic Rankine Cycle (ORC) architectures using induction turbine layouts in dual source waste heat recovery. 2020 , 6, 100029		2
106	Performance analysis of supercritical ORC utilizing marine diesel engine waste heat recovery. 2020 , 59, 893-904		7
105	Computational and experimental investigation on effective utilization of waste heat from diesel engine exhaust using a fin protracted heat exchanger. <i>Energy</i> , 2020 , 200, 117489	7.9	14
104	Regression Models for the Evaluation of the Techno-Economic Potential of Organic Rankine Cycle-Based Waste Heat Recovery Systems on Board Ships Using Low Sulfur Fuels. <i>Energies</i> , 2020 , 13, 1378	3.1	6
103	Comparative performance analysis of ORC/RC combined systems based on refrigerant selection. 2021 , 27, 70-84		2
102	Thermodynamic investigation of water generating system through HDH desalination and RO powered by organic Rankine cycle. 2021 , 46, 5256-5261		3
101	Experience from set-up and pilot operation of an in-house developed biomass-fired ORC microcogeneration unit. 2021 , 165, 251-260		5
100	A comparative thermoeconomic analysis and optimization of two different combined cycles by utilizing waste heat source of an MSWPP. 2021 , 228, 113583		3
99	Assessment of integrated energy systems for the production and use of renewable methanol by water electrolysis and CO ₂ hydrogenation. 2021 , 285, 119160		31
98	Multi-objective optimization for a small biomass cooling and power cogeneration system using binary mixtures. <i>Applied Thermal Engineering</i> , 2021 , 182, 116045	5.8	5
97	Optimization of cyclic parameters for ORC system using response surface methodology (RSM). 2021 , 43, 993-1006		8
96	Exergy and Entransy Performance Characteristics of Cogeneration System in Parallel Circuit Using Low-Grade Heat Source. <i>Transactions of the Korean Hydrogen and New Energy Society</i> , 2021 , 32, 77-85	0.5	
95	Experimental study of two cascaded organic Rankine cycles with varying working fluids. 2021 , 230, 113818		8
94	Experimental investigation of an Organic Rankine cycle system using an oil-free scroll expander for low grade heat recovery. 2021 , 18, 812-821		2
93	Application of volumetric expanders in small vapour power plants used in distributed energy generation [Selected design and thermodynamic issues. 2021 , 231, 113859		7
92	Optimization of an Organic Rankine Cycle-Based Waste Heat Recovery System Using a Novel Target-Temperature-Line Approach. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2021 , 143,	2.6	1
91	Optimum parameters of Organic Rankine Cycle (ORC) power plant using coconut shell as fuel. 2021 , 1098, 062085		

90	R1224yd(Z), R1233zd(E) and R1336mzz(Z) as replacements for R245fa: Experimental performance, interaction with lubricants and environmental impact. 2021 , 288, 116661		8
89	Investigation on improvement potential of ORC system off-design performance by expander speed regulation based on theoretical and experimental exergy-energy analyses. <i>Energy</i> , 2021 , 220, 119753	7.9	8
88	An overview on subcritical organic rankine cycle configurations with pure organic fluids. 2021 , 45, 12536-12563		3
87	Using organic fluids in natural circulation loop systems for absorbing of heat from low temperature renewable energy sources. <i>Energy</i> , 2021 , 222, 119962	7.9	0
86	Effect of phase change materials on the performance of direct vapor generation solar organic Rankine cycle system. <i>Energy</i> , 2021 , 223, 120006	7.9	2
85	Energy analysis of a micro-scale biomass cogeneration system. 2021 , 236, 114079		4
84	A small-scale power generation system based on biomass direct chemical looping process with organic rankine cycle. 2021 , 163, 108361		3
83	Thermodynamic analysis and parametric optimization of ejector heat pump integrated with organic Rankine cycle combined cooling, heating and power system using zeotropic mixtures. <i>Applied Thermal Engineering</i> , 2021 , 194, 117097	5.8	7
82	Preliminary design, optimization and CFD analysis of an organic rankine cycle radial turbine rotor. <i>Applied Thermal Engineering</i> , 2021 , 195, 117103	5.8	0
81	Optimization of CO ₂ Transcritical Power Cycle (CTPC) for engine waste heat recovery based on split concept. <i>Energy</i> , 2021 , 229, 120718	7.9	6
80	A theoretical approach to predict the performance of organic Rankine cycle systems. 2021 , 243, 114360		3
79	New steam turbine operational mode for a gas turbine combine cycle bottoming cycle system. <i>Applied Thermal Engineering</i> , 2021 , 198, 117451	5.8	3
78	Analysis on gas dynamic effects and design of supersonic ORC stator nozzles for transcritical expansions. 2021 , 247, 114703		0
77	Design and thermodynamic assessment of a solar powered energy-food-water nexus driven multigeneration system. <i>Energy Reports</i> , 2021 , 7, 3033-3049	4.6	5
76	Determination of optimum organic Rankine cycle parameters and configuration for utilizing waste heat in the steel industry as a driver of receive osmosis system. <i>Energy Reports</i> , 2021 , 7, 4146-4171	4.6	1
75	A Reaxff-Based Molecular Dynamics Study of the Pyrolysis Mechanism of Hexamethyldisiloxane. <i>SSRN Electronic Journal</i> ,	1	
74	Exergo-economic environmental analysis of organic Rankine cycle. 2021 , 46, 10368-10371		
73	Comparative analysis and evaluation of different working fluids for the organic rankine cycle performance. 2021 , 47, 2580-2584		2

72	Thermodynamic Performance Assessment of Different Fluids in a Typical Organic Rankine Cycle for Usage in Municipal Solid Waste Power Plant. 2017 , 132, 807-812		7
71	EXERGY ANALYSIS OF THE ORGANIC RANKINE CYCLE BASED ON THE PINCH POINT TEMPERATURE DIFFERENCE. 157-165		9
70	Thermoeconomic Evaluation of Combined Heat and Power Generation for Geothermal Applications. 2011 ,		3
69	Thermodynamic Analysis of the Organic Rankine Cycle as a Waste Heat Recovery System of Marine Diesel Engine. <i>Transactions of the Korean Society of Mechanical Engineers, B</i> , 2012 , 36, 711-719	0.5	1
68	Technical and Economical Feasibility of Biomass Use for Power Generation in Sicily. 2012 , 3, 40-50		2
67	Effect on the Cycle by the Properties of Working Fluids Using Organic Rankine Cycle. 2015 , 18, 5-12		7
66	Design and Thermodynamic Analysis of Hybrid Tri-generation Gas Engine-Organic Rankine Cycle. <i>Transactions of the Korean Hydrogen and New Energy Society</i> , 2015 , 26, 79-87	0.5	2
65	Renkin's organic cycle and its application in alternative power engineering. 2014 , 14,		2
64	Simulation, Validation and Economic Analysis of Solar Powered Organic Rankine Cycle for Electricity Generation. 2015 , 3, 62-67		6
63	Selection of Working fluid for the Organic Rankine Cycle to Utilize Low-Temperature Waste Heat. 2014 , 10, 36-46		1
62	Heat Recovery from Aluminium Reduction Cells. 2011 , 393-398		3
61	Theoretical Characteristics of Thermodynamic Performance of Combined Heat and Power Generation with Parallel Circuit using Organic Rankine Cycle. 2011 , 31, 49-56		4
60	Exergy Analysis of Organic Rankine Cycle with Internal Heat Exchanger. 2013 , 41-45		4
59	Technical and Economical Feasibility of Biomass Use for Power Generation in Sicily. 2013 , 1411-1420		
58	Optimal Organic Rankine Cycle Installation Planning for Factory Waste Heat Recovery. 2013 , 569-576		
57	Technical-Economic Analysis of an Innovative Small Scale Solar Thermal - ORC Cogenerative System. <i>Lecture Notes in Computer Science</i> , 2013 , 271-287	0.9	1
56	Influence of Heat Source Cooling Limitation on ORC System Layout and Working Fluid Selection: the Case Og Aluminium Industry. 2014 , 723-727		
55	Experimental Study of the ORC Under Variable Condensation Temperature. <i>Springer Theses</i> , 2015 , 71-99 _{0.1}		

54	Performance Analysis of 1MW Organic Rankine Cycle with Liquid-Vapor Ejector using Effluent from Power Plant. <i>Journal of Power System Engineering</i> , 2014 , 18, 120-125	0.4	
53	Gradual Progress in the Organic Rankine Cycle and Solar Thermal Power Generation. <i>Springer Theses</i> , 2015 , 1-29	0.1	0
52	Thermodynamic Performance Analysis of a Cogeneration System in Series Circuit Using Regenerative ORC. <i>Transactions of the Korean Hydrogen and New Energy Society</i> , 2015 , 26, 278-286	0.5	2
51	Characteristics of Thermodynamic Performance of Heat Exchanger in Organic Rankine Cycle Depending on Pinch Temperature Difference. <i>Transactions of the Korean Hydrogen and New Energy Society</i> , 2015 , 26, 590-599	0.5	1
50	Thermodynamic Performance Analysis of Regenerative Organic Flash Cycle. <i>Transactions of the Korean Society of Mechanical Engineers, B</i> , 2016 , 40, 589-596	0.5	1
49	Integration of CCHP with Renewable Energy. 2017 , 1-36		1
48	Exergy analysis of sub-critical organic Rankin cycle for the energy utilization of biomass. <i>Tehnika</i> , 2018 , 73, 373-380	0.2	
47	Integration of CCHP with Renewable Energy. 2018 , 1449-1484		1
46	Organik Rankine Dvrimi entegre edilmi CO ₂ kullanan bir gaz tabin Dvriminin termodinamik ve termoekonomik analizi. 2018 , 2018,		0
45	Análisis termodinámico del intercambiador de calor de un sistema ORC para el aprovechamiento de calor residual en procesos industriales. <i>Revista De Ingeniería Mecánica</i> , 27-33		0
44	Investigation into a Combined Inverted Brayton and Rankine Cycle. <i>Journal of Engineering for Gas Turbines and Power</i> , 2019 , 141,	1.7	
43	Cascaded Organic Rankine Cycles (ORCs) for Simultaneous Utilization of Liquefied Natural Gas (LNG) Cold Energy and Low-Temperature Waste Heat. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 418-423	0.2	1
42	Comparative Exergy Analysis of Kalina and Organic Rankine Cycles for Conversion of Low-Grade Heat Source. <i>Transactions of the Korean Hydrogen and New Energy Society</i> , 2020 , 31, 105-111	0.5	2
41	Thermodynamic analysis of working fluids: What is the highest performance of the sub- and trans-critical organic Rankine cycles?. <i>Energy</i> , 2021 , 241, 122512	7.9	0
40	Exergy and Entransy Performance Characteristics of Cogeneration System in Series Circuit Using Low-Grade Heat Source. <i>Transactions of the Korean Hydrogen and New Energy Society</i> , 2020 , 31, 637-645	0.5	1
39	Biomass Combined Heat and Power Generation for Anticosti Island: A Case Study. <i>Journal of Power and Energy Engineering</i> , 2020 , 08, 64-87	0.7	1
38	Microturbine power plant for utilization of the heat of exhaust gases of internal combustion engines. <i>E3S Web of Conferences</i> , 2020 , 221, 01002	0.5	
37	Waste Heat Recovery from Fly Ash of 210 MW Coal Fired Power Plant using Organic Rankine Cycle. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 1-33	2.6	2

36	Numerical Simulation of Geothermal Energy Productivity Considering the Evolution of Permeability in Various Fractures. <i>Applied Thermal Engineering</i> , 2021 , 201, 117756	5.8	3
35	Energy analysis and optimization of a small-scale axial flow turbine for Organic Rankine Cycle application. <i>International Journal of Thermofluids</i> , 2021 , 100119	5.6	1
34	An Environmental Analysis of Bio-H ₂ Production Introducing the 2-step PSA and Waste Heat Recovery. <i>Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy</i> , 2020 , 99, 129-135	0.5	
33	Solar organic Rankine cycle and its poly-generation applications [A review]. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 49, 101732	4.7	3
32	Development of a heat exchanger for cogeneration via TEG. <i>E3S Web of Conferences</i> , 2021 , 321, 02002	0.5	
31	Techno-economic performance of the 2-propanol/1-butanol zeotropic mixture and 2-propanol/water azeotropic mixture as a working fluid in Organic Rankine Cycles. <i>Energy</i> , 2022 , 246, 123316	7.9	0
30	Review on Applications of Zeotropic Mixtures. <i>Journal of Thermal Science</i> , 2022 , 31, 285	1.9	1
29	Optimization of the Adsorption/Desorption Contribution from Metal-Organic-Heat-Carrier Nanoparticles in Waste Heat Recovery Applications: R245fa/MIL101 in Organic Rankine Cycles. <i>Energies</i> , 2022 , 15, 1138	3.1	0
28	Parallel and in-series arrangements of zeotropic dual-pressure Organic Rankine Cycle (ORC) for low-grade waste heat recovery. <i>Energy Reports</i> , 2022 , 8, 2630-2645	4.6	0
27	Process Design and Analysis of a Novel Heat Recovery Energy System for an Aromatics Complex. <i>SSRN Electronic Journal</i> ,	1	
26	Performance Analysis and Multi-Objective Optimization of Two Organic Rankine Cycles with Different Fluids for Low Grade Waste Heat Recovery. <i>Journal of Thermal Science</i> , 2022 , 31, 650	1.9	1
25	The organic Rankine cycle: A promising technology for electricity generation and thermal pollution mitigation. <i>Energy</i> , 2022 , 247, 123405	7.9	0
24	A ReaxFF-based molecular dynamics study of the pyrolysis mechanism of hexamethyldisiloxane. <i>Journal of Molecular Liquids</i> , 2022 , 356, 119026	6	1
23	Comparing the profitability of waste heat electricity generation of internal combustion engines: An exergoeconomic analysis through optimization of two different organic Rankine cycle scenarios. <i>Applied Thermal Engineering</i> , 2022 , 211, 118443	5.8	0
22	Geothermal Power Generation Potential in the Eastern Linqing Depression. <i>Acta Geologica Sinica</i> , 2021 , 95, 1870-1881	0.7	0
21	Surrogate Models Applied to Optimized Organic Rankine Cycles. <i>Energies</i> , 2021 , 14, 8456	3.1	1
20	Waste Heat Recovery Potential from Internal Combustion Engines Using Organic Rankine Cycle. <i>Energy, Environment, and Sustainability</i> , 2022 , 331-364	0.8	
19	Opportunities in the intensification of the production of biofuels for the generation of electrical and thermal energy. 2022 , 157-196		

18	Thermoeconomic analysis of conventional and recuperative ORC for heat recovery of exothermic reactions. <i>Thermal Science and Engineering Progress</i> , 2022 , 101347	3.6	○
17	Waste heat recovery research in systematic bibliometric analysis (1991 to 2020). <i>Environmental Science and Pollution Research</i> ,	5.1	○
16	Energy and Exergy-Based Screening of Various Refrigerants, Hydrocarbons and Siloxanes for the Optimization of Biomass Boiler Organic Rankine Cycle (BBORC) Heat and Power Cogeneration Plants. 2022 , 15, 5513		1
15	Energetic Analysis and Working Fluids Selection for a New Power and Refrigeration Combined Ecological System.		○
14	Appropriate number of stages of an ORC driven by LNG cold energy to produce acceptable power with reasonable surface area of heat exchangers. 2022 , 103599		1
13	Process modelling, optimisation and analysis of heat recovery energy system for petrochemical industry. 2022 , 135133		○
12	Shock losses and Pitot tube measurements in non-ideal supersonic and subsonic flows of Organic Vapors. 2023 , 265, 126087		○
11	ORC fluids selection for a bottoming binary geothermal power plant integrated with a CSP plant. 2023 , 265, 126186		○
10	Design and numerical analysis of supersonic radial-inflow turbines for transcritical ORC processes. 2023 , 277, 116609		○
9	Theoretical study of a downdraft gasifier, microturbine and organic Rankine cycle fueled with data molasses wastes for distributed generation applications in Iraq.		○
8	Phase equilibria and thermodynamic properties in the o-dichlorobenzene in-dichlorobenzene system. 2022 , 39, 3412-3421		○
7	Thermodynamic Analysis of the Low-Grade Heat Sources for the Improvement in Efficiency of OxyFuel Combustion Power Cycles. 2023 , 8, 16		○
6	The Organic Rankine Cycle Power Systems Market: Recent Developments and Future Perspectives. 2023 , 119980		○
5	Energy-exergy-economic-environmental (4E) analysis and multi-objective optimization of a cascade LiBr/H ₂ O refrigeration and Organic Rankine cycle integrated system for power generation. 2023 , 225, 120142		○
4	Thermo-economic performance limit analysis of combined heat and power systems for optimal working fluid selections. 2023 , 272, 127041		○
3	Experimental and Theoretical Study to Increase the Solar-Organic Rankine Cycle Efficiency. 2023 , 20,		○
2	Exergoeconomic analysis and multi-objective optimization of ORC configurations via Taguchi-Grey Relational Methods. 2023 , 9, e15007		1
1	Exergoeconomic and Exergetic Sustainability Analysis of a Combined Dual-Pressure Organic Rankine Cycle and Vapor Compression Refrigeration Cycle. 2023 , 15, 6987		○

