

George Kosmadakis

List of Publications by Year in descending order

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48
papers

2,144
citations

293460

24
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299063

42
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all docs

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docs citations

48
times ranked

1775
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>Renewable Energy</i> , 2022, 181, 116-128.	4.3	11
2	Resource, environmental, and economic aspects of SGHE. , 2022, , 319-353.		15
3	Reversible high-temperature heat pump/ORC for waste heat recovery in various ships: A techno-economic assessment. <i>Energy</i> , 2022, 256, 124634.	4.5	14
4	Numerical and Experimental Study by Quasi-Dimensional Modeling of Combustion and Emissions in Variable Compression Ratio High-Speed Spark-Ignition Engine. <i>Journal of Energy Engineering - ASCE</i> , 2021, 147, .	1.0	22
5	Assessment of the performance of a low-temperature Organic Rankine Cycle engine coupled with a concentrating PV-Thermal system. <i>Renewable Energy</i> , 2021, 179, 1085-1097.	4.3	13
6	Techno-economic analysis of high-temperature heat pumps with low-global warming potential refrigerants for upgrading waste heat up to 150Å°C. <i>Energy Conversion and Management</i> , 2020, 226, 113488.	4.4	60
7	Investigating the performance and cost effects of nanorefrigerants in a low-temperature ORC unit for waste heat recovery. <i>Energy</i> , 2020, 204, 117966.	4.5	24
8	Exergy assessment of combustion and EGR and load effects in DI diesel engine using comprehensive two-zone modeling. <i>Energy</i> , 2020, 202, 117685.	4.5	35
9	Boosting the performance of a Reverse Electrodialysis â€œ Multi-Effect Distillation Heat Engine by novel solutions and operating conditions. <i>Applied Energy</i> , 2019, 253, 113489.	5.1	35
10	Review of Experimental Research on Supercritical and Transcritical Thermodynamic Cycles Designed for Heat Recovery Application. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2571.	1.3	30
11	Evaluation of the Economic and Environmental Performance of Low-Temperature Heat to Power Conversion using a Reverse Electrodialysis â€œ Multi-Effect Distillation System. <i>Energies</i> , 2019, 12, 3206.	1.6	26
12	Test results for characterizing two in-series scroll expanders within a low-temperature ORC unit under partial heat load. <i>Applied Thermal Engineering</i> , 2019, 163, 114389.	3.0	8
13	Application of reverse electrodialysis to site-specific types of saline solutions: A techno-economic assessment. <i>Energy</i> , 2019, 181, 532-547.	4.5	41
14	Investigating the effect of nanorefrigerants on a heat pump performance and cost-effectiveness. <i>Thermal Science and Engineering Progress</i> , 2019, 13, 100371.	1.3	16
15	Estimating the potential of industrial (high-temperature) heat pumps for exploiting waste heat in EU industries. <i>Applied Thermal Engineering</i> , 2019, 156, 287-298.	3.0	94
16	Experimental comparative assessment of butanol or ethanol diesel-fuel extenders impact on combustion features, cyclic irregularity, and regulated emissions balance in heavy-duty diesel engine. <i>Energy</i> , 2019, 174, 1145-1157.	4.5	96
17	A Fast CFD-Based Methodology for Determining the Cyclic Variability and Its Effects on Performance and Emissions of Spark-Ignition Engines. <i>Energies</i> , 2019, 12, 4131.	1.6	8
18	Towards the first proof of the concept of a Reverse ElectroDialysis - Membrane Distillation Heat Engine. <i>Desalination</i> , 2019, 453, 77-88.	4.0	46

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19	Evaluation of Existing Heat Transfer Correlations in Designing Helical Coil Evaporators for Low-Temperature Organic Rankine Cycles via Inverse Design Approach. <i>Heat Transfer Engineering</i> , 2019, 40, 1137-1152.	1.2	2
20	Industrial waste heat: Estimation of the technically available resource in the EU per industrial sector, temperature level and country. <i>Applied Thermal Engineering</i> , 2018, 138, 207-216.	3.0	311
21	Correlations for estimating the specific capital cost of multi-effect distillation plants considering the main design trends and operating conditions. <i>Desalination</i> , 2018, 447, 74-83.	4.0	24
22	Investigating the EGR rate and temperature impact on diesel engine combustion and emissions under various injection timings and loads by comprehensive two-zone modeling. <i>Energy</i> , 2018, 157, 990-1014.	4.5	95
23	Assessment of methodologies and data used to calculate desalination costs. <i>Desalination</i> , 2017, 419, 8-19.	4.0	82
24	Experimental testing of a small-scale two stage Organic Rankine Cycle engine operating at low temperature. <i>Energy</i> , 2017, 141, 869-879.	4.5	21
25	Development of Open-Drive Scroll Expander for an Organic Rankine Cycle (ORC) Engine and First Test Results. <i>Energy Procedia</i> , 2017, 129, 371-378.	1.8	10
26	Comparative Evaluation of Ethanol, n-Butanol, and Diethyl Ether Effects as Biofuel Supplements on Combustion Characteristics, Cyclic Variations, and Emissions Balance in Light-Duty Diesel Engine. <i>Journal of Energy Engineering - ASCE</i> , 2017, 143, .	1.0	73
27	Developments on Small-Scale Organic Rankine Cycle (ORC) Systems. <i>Journal of Fundamentals of Renewable Energy and Applications</i> , 2016, 6, .	0.2	2
28	Performance Evaluation of a Helical Coil Heat Exchanger Working under Supercritical Conditions in a Solar Organic Rankine Cycle Installation. <i>Energies</i> , 2016, 9, 432.	1.6	31
29	Experimental evaluation of a multi-skid reverse osmosis unit operating at fluctuating power input. <i>Desalination</i> , 2016, 398, 77-86.	4.0	27
30	Experimental testing of a low-temperature organic Rankine cycle (ORC) engine coupled with concentrating PV/thermal collectors: Laboratory and field tests. <i>Energy</i> , 2016, 117, 222-236.	4.5	53
31	Combustion and Emissions in an HSDI Engine Running on Diesel or Vegetable Oil Base Fuel with n-Butanol or Diethyl Ether As a Fuel Extender. <i>Journal of Energy Engineering - ASCE</i> , 2016, 142, .	1.0	18
32	Experimental investigation of a low-temperature organic Rankine cycle (ORC) engine under variable heat input operating at both subcritical and supercritical conditions. <i>Applied Thermal Engineering</i> , 2016, 92, 1-7.	3.0	52
33	An investigation of design concepts and control strategies of a double-stage expansion solar organic Rankine cycle. <i>International Journal of Sustainable Energy</i> , 2015, 34, 446-467.	1.3	14
34	Performance investigation of concentrating solar collectors coupled with a transcritical organic Rankine cycle for power and seawater desalination co-generation. <i>Desalination</i> , 2013, 318, 107-117.	4.0	69
35	Renewable and Conventional Electricity Generation Systems: Technologies and Diversity of Energy Systems. <i>Lecture Notes in Energy</i> , 2013, , 9-30.	0.2	18
36	Simulation and economic analysis of a CPV/thermal system coupled with an organic Rankine cycle for increased power generation. <i>Solar Energy</i> , 2011, 85, 308-324.	2.9	123

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37	Parametric theoretical study of a two-stage solar organic Rankine cycle for RO desalination. <i>Renewable Energy</i> , 2010, 35, 989-996.	4.3	69
38	Design of a two stage Organic Rankine Cycle system for reverse osmosis desalination supplied from a steady thermal source. <i>Desalination</i> , 2010, 250, 323-328.	4.0	38
39	Simulation of an autonomous, two-stage solar organic Rankine cycle system for reverse osmosis desalination. <i>Desalination and Water Treatment</i> , 2009, 1, 114-127.	1.0	23
40	Identification of behaviour and evaluation of performance of small scale, low-temperature Organic Rankine Cycle system coupled with a RO desalination unit. <i>Energy</i> , 2009, 34, 767-774.	4.5	97
41	On site experimental evaluation of a low-temperature solar organic Rankine cycle system for RO desalination. <i>Solar Energy</i> , 2009, 83, 646-656.	2.9	139
42	Economic assessment of a two-stage solar organic Rankine cycle for reverse osmosis desalination. <i>Renewable Energy</i> , 2009, 34, 1579-1586.	4.3	95
43	Comparative thermodynamic study of refrigerants to select the best for use in the high-temperature stage of a two-stage organic Rankine cycle for RO desalination. <i>Desalination</i> , 2009, 243, 74-94.	4.0	52
44	Multiple Reverse Osmosis sub-units supplied by unsteady power sources for seawater desalination. <i>Desalination and Water Treatment</i> , 0, , 1-9.	1.0	2
45	Methods based on a semi-empirical model for simulating scroll compressors with HFC and HFO refrigerants. <i>Open Research Europe</i> , 0, 1, 148.	2.0	3
46	Methods based on a semi-empirical model for simulating scroll compressors with HFC and HFO refrigerants. <i>Open Research Europe</i> , 0, 1, 148.	2.0	3
47	Identifying the performance and losses of a scroll compressor with vapour injection and R1234ze(E). <i>Open Research Europe</i> , 0, 2, 49.	2.0	4
48	Methods based on a semi-empirical model for simulating scroll compressors with HFC and HFO refrigerants. <i>Open Research Europe</i> , 0, 1, 148.	2.0	0