Maria E Mondejar Montagud

List of Publications by Year
in descending order

36	1,351	516215 16	414034 32
papers	citations	h-index	g-index

37	37	37	1097
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Digitalization to achieve sustainable development goals: Steps towards a Smart Green Planet. Science of the Total Environment, 2021, 794, 148539.	3.9	284
2	Determination of the force transmission error in a single-sinker magnetic suspension densimeter due to the fluid-specific effect and its correction for use with gas mixtures containing oxygen. Measurement: Journal of the International Measurement Confederation, 2020, 151, 107176.	2.5	5
3	The potential of halogenated olefins as working fluids for organic Rankine cycle technology. Journal of Molecular Liquids, 2020, 310, 112971.	2.3	4
4	Design of organic Rankine cycle power systems for maritime applications accounting for engine backpressure effects. Applied Thermal Engineering, 2020, 178, 115527.	3.0	18
5	Potential of liquefied natural gas cold energy recovery on board ships. Journal of Cleaner Production, 2020, 271, 122519.	4.6	15
6	Organic Rankine cycle-based waste heat recovery system combined with thermal energy storage for emission-free power generation on ships during harbor stays. Journal of Cleaner Production, 2020, 271, 122394.	4.6	13
7	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. Energies, 2020, 13, 1378.	1.6	7
8	Technical and economic feasibility of organic Rankine cycle-based waste heat recovery systems on feeder ships: Impact of nitrogen oxides emission abatement technologies. Energy Conversion and Management, 2019, 183, 577-589.	4.4	40
9	Uncertainty in the prediction of the thermophysical behavior of new halogenated working fluids. Fluid Phase Equilibria, 2019, 485, 220-233.	1.4	7
10	Application of the group contribution volume translated Pengâ€“Robinson equation of state to new commercial refrigerant mixtures. International Journal of Refrigeration, 2019, 103, 316-328.	1.8	16
11	General heat transfer correlations for flow boiling of zeotropic mixtures in horizontal plain tubes. Applied Thermal Engineering, 2019, 150, 824-839.	3.0	21
12	A review of heat transfer enhancement techniques in plate heat exchangers. Renewable and Sustainable Energy Reviews, 2019, 101, 305-328.	8.2	183
13	A review of the use of organic Rankine cycle power systems for maritime applications. Renewable and Sustainable Energy Reviews, 2018, 91, 126-151.	8.2	109
14	Quasi-steady state simulation of an organic Rankine cycle for waste heat recovery in a passenger vessel. Applied Energy, 2017, 185, 1324-1335.	5.1	67
15	Prospects of the use of nanofluids as working fluids for organic Rankine cycle power systems. Energy Procedia, 2017, 129, 160-167.	1.8	12
16	Analysis of isentropic mixtures for their use as working fluids in organic Rankine cycles. Environmental Progress and Sustainable Energy, 2017, 36, 921-935.	1.3	4
17	Prediction of properties of new halogenated olefins using two group contribution approaches. Fluid Phase Equilibria, 2017, 433, 79-96.	1.4	31
18	Geothermal Power Technologies. , 2017, , 51-61.		2

#	Article	IF	Citations
19	Waste Heat Recovery in a Cruise Vessel in the Baltic Sea by Using an Organic Rankine Cycle: A Case Study. Journal of Engineering for Gas Turbines and Power, 2015, 138, 011702.	0.5	30
20	Waste Heat Recovery in a Cruise Vessel in the Baltic Sea by Using an Organic Rankine Cycle: A Case Study. , 2015, , .		3
21	Study of the On-route Operation of a Waste Heat Recovery System in a Passenger Vessel. Energy Procedia, 2015, 75, 1646-1653.	1.8	6
22	Integration of biogas in the natural gas grid: Thermodynamic characterization of a biogas-like mixture. Journal of Chemical Thermodynamics, 2015, 84, 60-66.	1.0	15
23	Thermodynamic Properties of trans-1-Chloro-3,3,3-trifluoropropene (R1233zd(E)): Vapor Pressure, (p, Ï, T) Behavior, and Speed of Sound Measurements, and Equation of State. Journal of Chemical & Engineering Data, 2015, 60, 2477-2489.	1.0	97
24	Aerodynamic Considerations in the Thermodynamic Analysis of Organic Rankine Cycles. , 2014, , .		2
25	An estimation of the enhanced geothermal systems potential for the Iberian Peninsula. Renewable Energy, 2014, 66, 1-14.	4.3	33
26	Accurate thermodynamic characterization of a synthetic coal mine methane mixture. Journal of Chemical Thermodynamics, 2014, 68, 253-259.	1.0	16
27	Enhanced geothermal systems in Europe: An estimation and comparison of the technical and sustainable potentials. Energy, 2014, 65, 250-263.	4.5	70
28	A new IPSEproÂ® library for the simulation of binary mixtures of real fluids in power cycle analysis. Postdoc Journal, 2014, , .	0.4	1
29	Experimental Determination of (p, Ï, T) Data for Three Mixtures of Carbon Dioxide with Methane for the Thermodynamic Characterization of Nonconventional Energy Gases. Journal of Chemical & Engineering Data, 2012, 57, 2581-2588.	1.0	18
30	World geothermal power production status: Energy, environmental and economic study of high enthalpy technologies. Energy, 2012, 42, 10-18.	4.5	142
31	Accurate (p,Ï,T) data for two new (carbon dioxide+nitrogen) mixtures from (250 to 400)K at pressures up to 20MPa. Journal of Chemical Thermodynamics, 2012, 48, 254-259.	1.0	16
32	(p, Ï,T) Behavior of Two Mixtures of Carbon Monoxide with Nitrogen in the Temperature Range from (250 to 400) K and Pressures up to 20 MPa. Journal of Chemical & Engineering Data, 2011, 56, 3933-3939.	1.0	8
33	Sorption and Swelling Measurements of CO₂ and N₂ on Polyol for Their Use As Blowing Agents in a New PU Foaming Process Device. Industrial & Engineering Chemistry Research, 2011, 50, 7631-7636.	1.8	16
34	Improvement of the measurement uncertainty of a high accuracy single sinker densimeter via setup modifications based on a state point uncertainty analysis. Measurement: Journal of the International Measurement Confederation, 2011, 44, 1768-1780.	2.5	21
35	New (p,Ï,T) data for carbon dioxide â€“ Nitrogen mixtures from (250 to 400)K at pressures up to 20MPa. Journal of Chemical Thermodynamics, 2011, 43, 1950-1953.	1.0	19
36	Non-conventional working fluids for thermal power generation: A review. Postdoc Journal, 0, , .	0.4	0