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	A review of heat transfer enhancement techniques in plate heat exchangers. Renewable and Sustainable Energy Reviews, 2019, 101, 305-328.	8.2	183
3	World geothermal power production status: Energy, environmental and economic study of high enthalpy technologies. Energy, 2012, 42, 10-18.	4.5	142
4	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
5	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
6	Enhanced geothermal systems in Europe: An estimation and comparison of the technical and sustainable potentials. Energy, 2014, 65, 250-263.	4.5	70
7	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
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	An estimation of the enhanced geothermal systems potential for the Iberian Peninsula. Renewable Energy, 2014, 66, 1-14.	4.3	33
10	Prediction of properties of new halogenated olefins using two group contribution approaches. Fluid Phase Equilibria, 2017, 433, 79-96.	1.4	31
11	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
12	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
13	General heat transfer correlations for flow boiling of zeotropic mixtures in horizontal plain tubes. Applied Thermal Engineering, 2019, 150, 824-839.	3.0	21
14	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
15	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
16	Design of organic Rankine cycle power systems for maritime applications accounting for engine backpressure effects. Applied Thermal Engineering, 2020, 178, 115527.	3.0	18
17	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
18	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

#	Article	IF	Citations
19	Accurate thermodynamic characterization of a synthetic coal mine methane mixture. Journal of Chemical Thermodynamics, 2014, 68, 253-259.	1.0	16
20	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
21	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
22	Potential of liquefied natural gas cold energy recovery on board ships. Journal of Cleaner Production, 2020, 271, 122519.	4.6	15
23	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
24	Prospects of the use of nanofluids as working fluids for organic Rankine cycle power systems. Energy Procedia, 2017, 129, 160-167.	1.8	12
25	(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
26	Uncertainty in the prediction of the thermophysical behavior of new halogenated working fluids. Fluid Phase Equilibria, 2019, 485, 220-233.	1.4	7
27	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
28	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
29	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
30	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
31	The potential of halogenated olefins as working fluids for organic Rankine cycle technology. Journal of Molecular Liquids, 2020, 310, 112971.	2.3	4
32	Waste Heat Recovery in a Cruise Vessel in the Baltic Sea by Using an Organic Rankine Cycle: A Case Study. , 2015, , .		3
33	Aerodynamic Considerations in the Thermodynamic Analysis of Organic Rankine Cycles. , 2014, , .		2
34	Geothermal Power Technologies. , 2017, , 51-61.		2
35	A new IPSEproÂ® library for the simulation of binary mixtures of real fluids in power cycle analysis. Postdoc Journal, 2014, , .	0.4	1
36	Non-conventional working fluids for thermal power generation: A review. Postdoc Journal, 0, , .	0.4	0