Armando C Oliveira

List of Publications by Year in Descending Order

115 papers	2,683 citations	29 h-index	49 g-index
124 ext. papers	3,013 ext. citations	4.7 avg, IF	5.51 L-index

#	Paper	IF	Citations
115	Feasibility of Utilizing Photovoltaics for Irrigation Purposes in Moamba, Mozambique. *Sustainability*, **2021**, 13, 10998	3.6	3
114	Comparison of nZEB indicators for hotel renovations under different European climatic conditions. *International Journal of Low-Carbon Technologies*, **2021**, 16, 246-257	2.8	1
113	A dynamic model for once-through direct steam generation in linear focus solar collectors. *Renewable Energy*, **2021**, 163, 246-261	8.1	4
112	Performance evaluation of a variable geometry ejector applied in a multi-effect thermal vapor compression desalination system. *Applied Thermal Engineering*, **2021**, 195, 117177	5.8	6
111	Sustainability assessment of a novel micro solar thermal: Biomass heat and power plant in Morocco. *Journal of Industrial Ecology*, **2020**, 24, 1379-1392	7.2	4
110	Experimental assessment of pine wood chips gasification at steady and part-load performance. *Biomass and Bioenergy*, **2020**, 139, 105625	5.3	5
109	Benchmarking for realistic nZEB hotel buildings. *Journal of Building Engineering*, **2020**, 30, 101298	5.2	8
108	Applying a variable geometry ejector in a solar ejector refrigeration system. *International Journal of Refrigeration*, **2020**, 113, 187-195	3.8	19
107	Energetic analysis of a thermal building using geothermal and solar energy sources. *Energy Reports*, **2020**, 6, 201-206	4.6	7
106	Sustainability indicators of a naturally ventilated photovoltaic fa□de system. *Journal of Cleaner Production*, **2020**, 266, 121946	10.3	3
105	Thermal and electrical performance assessment of a solar polygeneration system. *Energy Reports*, **2020**, 6, 725-731	4.6	1
104	Sustainability assessment of a hybrid CSP/biomass. Results of a prototype plant in Tunisia. *Sustainable Energy Technologies and Assessments*, **2020**, 42, 100862	4.7	3
103	Educational solar energy tool in Matlab environment. *Energy Reports*, **2020**, 6, 490-495	4.6	1
102	Analysis of swimming pool solar heating using the utilizability method. *Energy Reports*, **2020**, 6, 717-724	4.6	
101	Energy assessment of the implementation of renewable energies in a Portuguese household. *International Journal of Low-Carbon Technologies*, **2019**, 14, 452-460	2.8	
100	POLYSOL □Thermal and electrical performance assessment of a cost-effective polygeneration system. *IOP Conference Series: Earth and Environmental Science*, **2019**, 352, 012052	0.3	
99	A method of strategic evaluation of energy performance of Building Integrated Photovoltaic in the urban context. *Journal of Cleaner Production*, **2018**, 184, 82-91	10.3	32

98	Thermoeconomic Analysis and Evaluation of a Building-Integrated Photovoltaic (BIPV) System Based on Actual Operational Data. *Green Energy and Technology*, **2018**, 877-886	0.6	
97	Evaluation of the performance of a photovoltaic power plant installed in a building in the north of Portugal. *Energy Procedia*, **2018**, 153, 42-47	2.3	1
96	Evaluation of the performance of hybrid CSP/biomass power plants. *International Journal of Low-Carbon Technologies*, **2018**, 13, 380-387	2.8	10
95	Dynamic simulation of an integrated solar-driven ejector based air conditioning system with PCM cold storage. *Applied Energy*, **2017**, 190, 600-611	10.7	76
94	A Trnsys simulation of a solar-driven ejector air conditioning system with an integrated PCM cold storage **2017**,		2
93	A key review of building integrated photovoltaic (BIPV) systems **2017**, 20, 833-858		136
92	Experimental and numerical studies to assess the energy performance of naturally ventilated PV façade systems. *Solar Energy*, **2017**, 147, 37-51	6.8	38
91	Preliminary experimental results with a solar driven ejector air conditioner in Portugal. *Renewable Energy*, **2017**, 109, 83-92	8.1	28
90	On the selection of a turbulence model for the simulation of steam ejectors using CFD. *International Journal of Low-Carbon Technologies*, **2017**, 12, 233-243	2.8	20
89	Numerical simulation of a hybrid CSP/Biomass 5 MWel power plant **2017**,		1
88	Numerical simulation of a hybrid concentrated solar power/biomass mini power plant. *Applied Thermal Engineering*, **2017**, 111, 1378-1386	5.8	47
87	Performance evaluation of a building integrated photovoltaic (BIPV) system combined with a wastewater source heat pump (WWSHP) system. *Energy Procedia*, **2017**, 140, 434-446	2.3	7
86	Validation of a CFD model for the simulation of heat transfer in a tubes-in-tank PCM storage unit. *Renewable Energy*, **2016**, 89, 371-379	8.1	38
85	Pre-design of a Mini CSP Plant. *Energy Procedia*, **2015**, 69, 1613-1622	2.3	12
84	Readdressing working fluid selection with a view to designing a variable geometry ejector. *International Journal of Low-Carbon Technologies*, **2015**, 10, 205-215	2.8	14
83	Modelling and analysis of photovoltaic/thermal collectors influence of PV cell location and area. *International Journal of Ambient Energy*, **2015**, 36, 76-86	2	2
82	Biomass and central receiver system (CRS) hybridization: Integration of syngas/biogas on the atmospheric air volumetric CRS heat recovery steam generator duct burner. *Renewable Energy*, **2015**, 75, 665-674	8.1	20
81	Comparison of software prediction and measured performance of a grid-connected photovoltaic power plant. *Journal of Renewable and Sustainable Energy*, **2015**, 7, 063102	2.5	12

80	A novel solar façade concept for energy polygeneration in buildings. *International Journal of Low-Carbon Technologies*, **2015**, ctv020	2.8	1
79	Development and Performance of an Advanced Ejector Cooling System for a Sustainable Built Environment. *Frontiers in Mechanical Engineering*, **2015**, 1,	2.6	7
78	Experimental determination of the heat transfer and cold storage characteristics of a microencapsulated phase change material in a horizontal tank. *Energy Conversion and Management*, **2015**, 94, 275-285	10.6	52
77	Optimization of an atmospheric air volumetric central receiver system: Impact of solar multiple, storage capacity and control strategy. *Renewable Energy*, **2014**, 63, 392-401	8.1	22
76	Experimental results with a variable geometry ejector using R600a as working fluid. *International Journal of Refrigeration*, **2014**, 46, 77-85	3.8	38
75	CFD study of a variable area ratio ejector using R600a and R152a refrigerants. *International Journal of Refrigeration*, **2013**, 36, 157-165	3.8	54
74	An indoor air perception method to detect fungi growth in flats. *Expert Systems With Applications*, **2012**, 39, 3740-3746	7.8	7
73	A field study on building inertia and its effects on indoor thermal environment. *Renewable Energy*, **2012**, 37, 89-96	8.1	46
72	Improvement in quality control for applications used by marine engineers. *Computer Applications in Engineering Education*, **2012**, 20, 187-192	1.6	3
71	Biomass and central receiver system (CRS) hybridization: Volumetric air CRS and integration of a biomass waste direct burning boiler on steam cycle. *Solar Energy*, **2012**, 86, 2912-2922	6.8	24
70	An Experimental Test of Low Speed Wind Turbine Concentrators. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, **2012**, 34, 1222-1230	1.6	4
69	Research on the Brayton cycle design conditions for reliquefaction cooling of LNG boil off. *Journal of Marine Science and Technology*, **2012**, 17, 532-541	1.7	22
68	Realistic Solutions for Wind Power Production with Climate Change. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, **2012**, 34, 912-918	1.6	6
67	Case study of safe working conditions in spanish merchant ships. *Polish Maritime Research*, **2012**, 19,	1.7	1
66	Real Indoor Environments. *Green Energy and Technology*, **2012**, 49-70	0.6	
65	Passive Methods. *Green Energy and Technology*, **2012**, 71-97	0.6	
64	Future Research Work. *Green Energy and Technology*, **2012**, 131-147	0.6	
63	Permeable Coverings. *Green Energy and Technology*, **2012**, 99-129	0.6	1

62	Passive Methods as a Solution for Improving Indoor Environments. *Green Energy and Technology*, **2012**,	0.6	4
61	Thermal Comfort and Indoor Air Quality. *Green Energy and Technology*, **2012**, 1-13	0.6	2
60	Indoor Air Standards and Models. *Green Energy and Technology*, **2012**, 15-47	0.6	2
59	Experimental and numerical analysis of a variable area ratio steam ejector. *International Journal of Refrigeration*, **2011**, 34, 1668-1675	3.8	62
58	Software tools for HVAC research. *Advances in Engineering Software*, **2011**, 42, 846-851	3.6	8
57	Reducing energy peak consumption with passive climate control methods. *Energy and Buildings*, **2011**, 43, 2282-2288	7	6
56	Numerical simulation of a solar-assisted ejector air conditioning system with cold storage. *Energy*, **2011**, 36, 1280-1291	7.9	27
55	Numerical simulation of a trapezoidal cavity receiver for a linear Fresnel solar collector concentrator. *Renewable Energy*, **2011**, 36, 90-96	8.1	91
54	A new thermal comfort approach comparing adaptive and PMV models. *Renewable Energy*, **2011**, 36, 951-956	8.1	34
53	Temperature influence on the thermal and structural properties of electrodeposited nanostructured black nickel cermet on high conductive C81100 copper. *International Journal of Low-Carbon Technologies*, **2011**, 6, 86-92	2.8	3
52	Comparison of CFD and experimental performance results of a variable area ratio steam ejector. *International Journal of Low-Carbon Technologies*, **2011**, 6, 119-124	2.8	10
51	Performance simulation of a solar-assisted micro-tri-generation system: hotel case study. *International Journal of Low-Carbon Technologies*, **2011**, 6, 309-317	2.8	8
50	Utilities and Effluent Treatment | Refrigeration **2011**, 596-601		
49	Passive Methods to Address the Sick Building Syndrome in Public Buildings **2011**, 481-492		
48	Impact of climate change on cooling energy consumption. *Journal of the Energy Institute*, **2010**, 83, 171-177	3.7	1
47	Research on heating and cooling requirements of buildings with solar louvre devices. *Advances in Building Energy Research*, **2010**, 4, 1-21	1.8	5
46	Simulation of a linear Fresnel solar collector concentrator. *International Journal of Low-Carbon Technologies*, **2010**, 5, 125-129	2.8	4
45	New procedure for wind farm maintenance. *Industrial Management and Data Systems*, **2010**, 110, 861-882	3.6	11

44	Concentrated solar power for renewable electricity and hydrogen production from water review. *Energy and Environmental Science*, **2010**, 3, 1398	35.4	62
43	Assessment of work-related risk criteria onboard a ship as an aid to designing its onboard environment. *Journal of Marine Science and Technology*, **2010**, 15, 16-22	1.7	14
42	Experimental assessment of heat storage properties and heat transfer characteristics of a phase change material slurry for air conditioning applications. *Applied Energy*, **2010**, 87, 620-628	10.7	138
41	Effect of louver shading devices on building energy requirements. *Applied Energy*, **2010**, 87, 2040-2049	10.7	150
40	Implementation of a method in EN ISO 13790 for calculating the utilisation factor taking into account different permeability levels of internal coverings. *Energy and Buildings*, **2010**, 42, 598-604	7	16
39	Experimental study of natural convection heat transfer in a microencapsulated phase change material slurry. *Energy*, **2010**, 35, 2688-2693	7.9	50
38	EXPERIMENTAL QUANTIFICATION OF THE OPERATIVE TIME OF A PASSIVE HVAC SYSTEM USING POROUS COVERING MATERIALS. *Journal of Porous Media*, **2010**, 13, 637-643	2.9	3
37	Low speed wind concentrator to improve wind farm power generation **2009**,		1
36	Analysis of a solar-assisted ejector cooling system for air conditioning. *International Journal of Low-Carbon Technologies*, **2009**, 4, 2-8	2.8	28
35	Influence of geometrical factors on steam ejector performance A numerical assessment. *International Journal of Refrigeration*, **2009**, 32, 1694-1701	3.8	102
34	Numerical assessment of steam ejector efficiencies using CFD. *International Journal of Refrigeration* , **2009**, 32, 1203-1211	3.8	128
33	Energy saving with passive climate control methods in Spanish office buildings. *Energy and Buildings* , **2009**, 41, 823-828	7	31
32	Hourly indoor thermal comfort and air quality acceptance with passive climate control methods. *Renewable Energy*, **2009**, 34, 2735-2742	8.1	17
31	Energy and economic analysis of an integrated solar absorption cooling and heating system in different building types and climates. *Applied Energy*, **2009**, 86, 949-957	10.7	157
30	Analysis of Energetic, Design and Operational Criteria When Choosing an Adequate Working Fluid for Small ORC Systems **2009**,		8
29	Heat and Mass Transfer in an Indirect Contact Cooling Tower: CFD Simulation and Experiment. *Numerical Heat Transfer; Part A: Applications*, **2008**, 54, 933-944	2.3	8
28	Study of a hybrid PV-Thermal solar system to provide electricity and heat in Portugal. *International Journal of Ambient Energy*, **2008**, 29, 153-161	2	2
27	Analysis of a solar assisted micro-cogeneration ORC system. *International Journal of Low-Carbon Technologies*, **2008**, 3, 254-264	2.8	22

26	Evaluation of a solar louvre collector system for building heating and cooling. *International Journal of Ambient Energy*, **2008**, 29, 59-64	2	2
25	A new look at the long-term performance of general solar thermal systems. *Solar Energy*, **2007**, 81, 1361-1368	6	12
24	The energy shift: towards a renewable future. *International Journal of Low-Carbon Technologies*, **2007**, 2, 289-299	2.8	4
23	Evaluation of a solar cooling system with louvre thermal collectors. *International Journal of Low-Carbon Technologies*, **2007**, 2, 99-108	2.8	3
22	Simulation study of an electrogasdynamic power converter using CFD. *International Journal of Low-Carbon Technologies*, **2006**, 1, 245-261	2.8	3
21	Analysis of a micro-cogeneration system using hybrid solar/gas collectors. *International Journal of Low-Carbon Technologies*, **2006**, 1, 285-297	2.8	5
20	Experimental uncertainty analysis in solar collectors. *International Journal of Ambient Energy*, **2006**, 27, 59-64	2	3
19	Analysis of a plate heat pipe solar collector. *International Journal of Low-Carbon Technologies*, **2006**, 1, 1-9	2.8	2
18	Evaluation of a solar thermal system using building louvre shading devices. *Solar Energy*, **2006**, 80, 545-554	5.8	30
17	Modeling Laminar Heat Transfer in a Curved Rectangular Duct with a Computational Fluid Dynamics Code. *Numerical Heat Transfer; Part A: Applications*, **2005**, 48, 165-177	2.3	17
16	The effect of condenser heat transfer on the energy performance of a plate heat pipe solar collector. *International Journal of Energy Research*, **2005**, 29, 903-912	4.5	3
15	Heat and mass transfer correlations for the design of small indirect contact cooling towers. *Applied Thermal Engineering*, **2004**, 24, 1969-1978	5.8	29
14	Testing of an integrated solar louvre collector. *International Journal of Ambient Energy*, **2004**, 25, 171-176	2	2
13	Evaluation of the Use of Artificial Neural Networks for the Simulation of Hybrid Solar Collectors. *International Journal of Green Energy*, **2004**, 1, 337-352	3	21
12	Numerical simulation of an integrated solar louvre collector system. *International Journal of Ambient Energy*, **2003**, 24, 6-12	2	2
11	A combined heat and power system for buildings driven by solar energy and gas. *Applied Thermal Engineering*, **2002**, 22, 587-593	5.8	50
10	Characterisation of thermal diode panels for use in the cooling season in buildings. *Energy and Buildings*, **2002**, 34, 227-235	7	47
9	Experimental and numerical analysis of natural ventilation with combined light/vent pipes. *Applied Thermal Engineering*, **2001**, 21, 1925-1936	5.8	13

8	Thermal performance of a closed wet cooling tower for chilled ceilings: measurement and CFD simulation. *International Journal of Energy Research*, **2000**, 24, 1171-1179	4.5	2
7	Ventilation terminals for use with light pipes in buildings: a CFD study. *Applied Thermal Engineering*, **2000**, 20, 1743-1752	5.8	17
6	Thermal performance of a novel air conditioning system using a liquid desiccant. *Applied Thermal Engineering*, **2000**, 20, 1213-1223	5.8	42
5	Thermal behaviour of closed wet cooling towers for use with chilled ceilings. *Applied Thermal Engineering*, **2000**, 20, 1225-1236	5.8	59
4	Solar chimneys: simulation and experiment. *Energy and Buildings*, **2000**, 32, 71-79	7	147
3	Combining light pipe and stack ventilation some development aspects **2000**, 395-400		3
2	Natural refrigerants for refrigeration and air-conditioning systems. *Applied Thermal Engineering*, **1997**, 17, 33-42	5.8	85
1	A new simplified method for evaluating the thermal behaviour of direct gain passive solar buildings. *Solar Energy*, **1992**, 48, 227-233	6.8	16