

Armando C Oliveira

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9452811/armando-c-oliveira-publications-by-citations.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Energy and economic analysis of an integrated solar absorption cooling and heating system in different building types and climates. <i>Applied Energy</i> , 2009 , 86, 949-957	10.7	157
114	Effect of louver shading devices on building energy requirements. <i>Applied Energy</i> , 2010 , 87, 2040-2049	10.7	150
113	Solar chimneys: simulation and experiment. <i>Energy and Buildings</i> , 2000 , 32, 71-79	7	147
112	Experimental assessment of heat storage properties and heat transfer characteristics of a phase change material slurry for air conditioning applications. <i>Applied Energy</i> , 2010 , 87, 620-628	10.7	138
111	A key review of building integrated photovoltaic (BIPV) systems 2017 , 20, 833-858		136
110	Numerical assessment of steam ejector efficiencies using CFD. <i>International Journal of Refrigeration</i> , 2009 , 32, 1203-1211	3.8	128
109	Influence of geometrical factors on steam ejector performance [A numerical assessment. <i>International Journal of Refrigeration</i> , 2009 , 32, 1694-1701	3.8	102
108	Numerical simulation of a trapezoidal cavity receiver for a linear Fresnel solar collector concentrator. <i>Renewable Energy</i> , 2011 , 36, 90-96	8.1	91
107	Natural refrigerants for refrigeration and air-conditioning systems. <i>Applied Thermal Engineering</i> , 1997 , 17, 33-42	5.8	85
106	Dynamic simulation of an integrated solar-driven ejector based air conditioning system with PCM cold storage. <i>Applied Energy</i> , 2017 , 190, 600-611	10.7	76
105	Experimental and numerical analysis of a variable area ratio steam ejector. <i>International Journal of Refrigeration</i> , 2011 , 34, 1668-1675	3.8	62
104	Concentrated solar power for renewable electricity and hydrogen production from water [A review. <i>Energy and Environmental Science</i> , 2010 , 3, 1398	35.4	62
103	Thermal behaviour of closed wet cooling towers for use with chilled ceilings. <i>Applied Thermal Engineering</i> , 2000 , 20, 1225-1236	5.8	59
102	CFD study of a variable area ratio ejector using R600a and R152a refrigerants. <i>International Journal of Refrigeration</i> , 2013 , 36, 157-165	3.8	54
101	Experimental determination of the heat transfer and cold storage characteristics of a microencapsulated phase change material in a horizontal tank. <i>Energy Conversion and Management</i> , 2015 , 94, 275-285	10.6	52
100	Experimental study of natural convection heat transfer in a microencapsulated phase change material slurry. <i>Energy</i> , 2010 , 35, 2688-2693	7.9	50
99	A combined heat and power system for buildings driven by solar energy and gas. <i>Applied Thermal Engineering</i> , 2002 , 22, 587-593	5.8	50

98	Numerical simulation of a hybrid concentrated solar power/biomass mini power plant. <i>Applied Thermal Engineering</i> , 2017 , 111, 1378-1386	5.8	47
97	Characterisation of thermal diode panels for use in the cooling season in buildings. <i>Energy and Buildings</i> , 2002 , 34, 227-235	7	47
96	A field study on building inertia and its effects on indoor thermal environment. <i>Renewable Energy</i> , 2012 , 37, 89-96	8.1	46
95	Thermal performance of a novel air conditioning system using a liquid desiccant. <i>Applied Thermal Engineering</i> , 2000 , 20, 1213-1223	5.8	42
94	Experimental and numerical studies to assess the energy performance of naturally ventilated PV façade systems. <i>Solar Energy</i> , 2017 , 147, 37-51	6.8	38
93	Validation of a CFD model for the simulation of heat transfer in a tubes-in-tank PCM storage unit. <i>Renewable Energy</i> , 2016 , 89, 371-379	8.1	38
92	Experimental results with a variable geometry ejector using R600a as working fluid. <i>International Journal of Refrigeration</i> , 2014 , 46, 77-85	3.8	38
91	A new thermal comfort approach comparing adaptive and PMV models. <i>Renewable Energy</i> , 2011 , 36, 951-956	8.1	34
90	A method of strategic evaluation of energy performance of Building Integrated Photovoltaic in the urban context. <i>Journal of Cleaner Production</i> , 2018 , 184, 82-91	10.3	32
89	Energy saving with passive climate control methods in Spanish office buildings. <i>Energy and Buildings</i> , 2009 , 41, 823-828	7	31
88	Evaluation of a solar thermal system using building louvre shading devices. <i>Solar Energy</i> , 2006 , 80, 545-554	5.8	30
87	Heat and mass transfer correlations for the design of small indirect contact cooling towers. <i>Applied Thermal Engineering</i> , 2004 , 24, 1969-1978	5.8	29
86	Preliminary experimental results with a solar driven ejector air conditioner in Portugal. <i>Renewable Energy</i> , 2017 , 109, 83-92	8.1	28
85	Analysis of a solar-assisted ejector cooling system for air conditioning. <i>International Journal of Low-Carbon Technologies</i> , 2009 , 4, 2-8	2.8	28
84	Numerical simulation of a solar-assisted ejector air conditioning system with cold storage. <i>Energy</i> , 2011 , 36, 1280-1291	7.9	27
83	Biomass and central receiver system (CRS) hybridization: Volumetric air CRS and integration of a biomass waste direct burning boiler on steam cycle. <i>Solar Energy</i> , 2012 , 86, 2912-2922	6.8	24
82	Optimization of an atmospheric air volumetric central receiver system: Impact of solar multiple, storage capacity and control strategy. <i>Renewable Energy</i> , 2014 , 63, 392-401	8.1	22
81	Research on the Brayton cycle design conditions for reliquefaction cooling of LNG boil off. <i>Journal of Marine Science and Technology</i> , 2012 , 17, 532-541	1.7	22

80	Analysis of a solar assisted micro-cogeneration ORC system. <i>International Journal of Low-Carbon Technologies</i> , 2008 , 3, 254-264	2.8	22
79	Evaluation of the Use of Artificial Neural Networks for the Simulation of Hybrid Solar Collectors. <i>International Journal of Green Energy</i> , 2004 , 1, 337-352	3	21
78	Biomass and central receiver system (CRS) hybridization: Integration of syngas/biogas on the atmospheric air volumetric CRS heat recovery steam generator duct burner. <i>Renewable Energy</i> , 2015 , 75, 665-674	8.1	20
77	On the selection of a turbulence model for the simulation of steam ejectors using CFD. <i>International Journal of Low-Carbon Technologies</i> , 2017 , 12, 233-243	2.8	20
76	Applying a variable geometry ejector in a solar ejector refrigeration system. <i>International Journal of Refrigeration</i> , 2020 , 113, 187-195	3.8	19
75	Hourly indoor thermal comfort and air quality acceptance with passive climate control methods. <i>Renewable Energy</i> , 2009 , 34, 2735-2742	8.1	17
74	Modeling Laminar Heat Transfer in a Curved Rectangular Duct with a Computational Fluid Dynamics Code. <i>Numerical Heat Transfer; Part A: Applications</i> , 2005 , 48, 165-177	2.3	17
73	Ventilation terminals for use with light pipes in buildings: a CFD study. <i>Applied Thermal Engineering</i> , 2000 , 20, 1743-1752	5.8	17
72	Implementation of a method in EN ISO 13790 for calculating the utilisation factor taking into account different permeability levels of internal coverings. <i>Energy and Buildings</i> , 2010 , 42, 598-604	7	16
71	A new simplified method for evaluating the thermal behaviour of direct gain passive solar buildings. <i>Solar Energy</i> , 1992 , 48, 227-233	6.8	16
70	Readdressing working fluid selection with a view to designing a variable geometry ejector. <i>International Journal of Low-Carbon Technologies</i> , 2015 , 10, 205-215	2.8	14
69	Assessment of work-related risk criteria onboard a ship as an aid to designing its onboard environment. <i>Journal of Marine Science and Technology</i> , 2010 , 15, 16-22	1.7	14
68	Experimental and numerical analysis of natural ventilation with combined light/vent pipes. <i>Applied Thermal Engineering</i> , 2001 , 21, 1925-1936	5.8	13
67	Pre-design of a Mini CSP Plant. <i>Energy Procedia</i> , 2015 , 69, 1613-1622	2.3	12
66	Comparison of software prediction and measured performance of a grid-connected photovoltaic power plant. <i>Journal of Renewable and Sustainable Energy</i> , 2015 , 7, 063102	2.5	12
65	A new look at the long-term performance of general solar thermal systems. <i>Solar Energy</i> , 2007 , 81, 1361-1368	3.6	12
64	New procedure for wind farm maintenance. <i>Industrial Management and Data Systems</i> , 2010 , 110, 861-883	3.6	11
63	Comparison of CFD and experimental performance results of a variable area ratio steam ejector. <i>International Journal of Low-Carbon Technologies</i> , 2011 , 6, 119-124	2.8	10

62	Evaluation of the performance of hybrid CSP/biomass power plants. <i>International Journal of Low-Carbon Technologies</i> , 2018 , 13, 380-387	2.8	10
61	Benchmarking for realistic nZEB hotel buildings. <i>Journal of Building Engineering</i> , 2020 , 30, 101298	5.2	8
60	Software tools for HVAC research. <i>Advances in Engineering Software</i> , 2011 , 42, 846-851	3.6	8
59	Performance simulation of a solar-assisted micro-tri-generation system: hotel case study. <i>International Journal of Low-Carbon Technologies</i> , 2011 , 6, 309-317	2.8	8
58	Analysis of Energetic, Design and Operational Criteria When Choosing an Adequate Working Fluid for Small ORC Systems 2009 ,		8
57	Heat and Mass Transfer in an Indirect Contact Cooling Tower: CFD Simulation and Experiment. <i>Numerical Heat Transfer; Part A: Applications</i> , 2008 , 54, 933-944	2.3	8
56	An indoor air perception method to detect fungi growth in flats. <i>Expert Systems With Applications</i> , 2012 , 39, 3740-3746	7.8	7
55	Performance evaluation of a building integrated photovoltaic (BIPV) system combined with a wastewater source heat pump (WWSHP) system. <i>Energy Procedia</i> , 2017 , 140, 434-446	2.3	7
54	Development and Performance of an Advanced Ejector Cooling System for a Sustainable Built Environment. <i>Frontiers in Mechanical Engineering</i> , 2015 , 1,	2.6	7
53	Energetic analysis of a thermal building using geothermal and solar energy sources. <i>Energy Reports</i> , 2020 , 6, 201-206	4.6	7
52	Reducing energy peak consumption with passive climate control methods. <i>Energy and Buildings</i> , 2011 , 43, 2282-2288	7	6
51	Realistic Solutions for Wind Power Production with Climate Change. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2012 , 34, 912-918	1.6	6
50	Performance evaluation of a variable geometry ejector applied in a multi-effect thermal vapor compression desalination system. <i>Applied Thermal Engineering</i> , 2021 , 195, 117177	5.8	6
49	Experimental assessment of pine wood chips gasification at steady and part-load performance. <i>Biomass and Bioenergy</i> , 2020 , 139, 105625	5.3	5
48	Research on heating and cooling requirements of buildings with solar louvre devices. <i>Advances in Building Energy Research</i> , 2010 , 4, 1-21	1.8	5
47	Analysis of a micro-cogeneration system using hybrid solar/gas collectors. <i>International Journal of Low-Carbon Technologies</i> , 2006 , 1, 285-297	2.8	5
46	Sustainability assessment of a novel micro solar thermal: Biomass heat and power plant in Morocco. <i>Journal of Industrial Ecology</i> , 2020 , 24, 1379-1392	7.2	4
45	An Experimental Test of Low Speed Wind Turbine Concentrators. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2012 , 34, 1222-1230	1.6	4

44	Simulation of a linear Fresnel solar collector concentrator. <i>International Journal of Low-Carbon Technologies</i> , 2010 , 5, 125-129	2.8	4
43	The energy shift: towards a renewable future. <i>International Journal of Low-Carbon Technologies</i> , 2007 , 2, 289-299	2.8	4
42	A dynamic model for once-through direct steam generation in linear focus solar collectors. <i>Renewable Energy</i> , 2021 , 163, 246-261	8.1	4
41	Passive Methods as a Solution for Improving Indoor Environments. <i>Green Energy and Technology</i> , 2012 ,	0.6	4
40	Improvement in quality control for applications used by marine engineers. <i>Computer Applications in Engineering Education</i> , 2012 , 20, 187-192	1.6	3
39	Temperature influence on the thermal and structural properties of electrodeposited nanostructured black nickel cermet on high conductive C81100 copper. <i>International Journal of Low-Carbon Technologies</i> , 2011 , 6, 86-92	2.8	3
38	Simulation study of an electrogasdynamic power converter using CFD. <i>International Journal of Low-Carbon Technologies</i> , 2006 , 1, 245-261	2.8	3
37	Experimental uncertainty analysis in solar collectors. <i>International Journal of Ambient Energy</i> , 2006 , 27, 59-64	2	3
36	Evaluation of a solar cooling system with louvre thermal collectors. <i>International Journal of Low-Carbon Technologies</i> , 2007 , 2, 99-108	2.8	3
35	The effect of condenser heat transfer on the energy performance of a plate heat pipe solar collector. <i>International Journal of Energy Research</i> , 2005 , 29, 903-912	4.5	3
34	EXPERIMENTAL QUANTIFICATION OF THE OPERATIVE TIME OF A PASSIVE HVAC SYSTEM USING POROUS COVERING MATERIALS. <i>Journal of Porous Media</i> , 2010 , 13, 637-643	2.9	3
33	Feasibility of Utilizing Photovoltaics for Irrigation Purposes in Moamba, Mozambique. <i>Sustainability</i> , 2021 , 13, 10998	3.6	3
32	Combining light pipe and stack ventilation – Some development aspects 2000 , 395-400		3
31	Sustainability indicators of a naturally ventilated photovoltaic façade system. <i>Journal of Cleaner Production</i> , 2020 , 266, 121946	10.3	3
30	Sustainability assessment of a hybrid CSP/biomass. Results of a prototype plant in Tunisia. <i>Sustainable Energy Technologies and Assessments</i> , 2020 , 42, 100862	4.7	3
29	A Trnsys simulation of a solar-driven ejector air conditioning system with an integrated PCM cold storage 2017 ,		2
28	Modelling and analysis of photovoltaic/thermal collectors – Influence of PV cell location and area. <i>International Journal of Ambient Energy</i> , 2015 , 36, 76-86	2	2
27	Study of a hybrid PV-Thermal solar system to provide electricity and heat in Portugal. <i>International Journal of Ambient Energy</i> , 2008 , 29, 153-161	2	2

26	Evaluation of a solar louvre collector system for building heating and cooling. <i>International Journal of Ambient Energy</i> , 2008 , 29, 59-64	2	2
25	Analysis of a plate heat pipe solar collector. <i>International Journal of Low-Carbon Technologies</i> , 2006 , 1, 1-9	2.8	2
24	Numerical simulation of an integrated solar louvre collector system. <i>International Journal of Ambient Energy</i> , 2003 , 24, 6-12	2	2
23	Testing of an integrated solar louvre collector. <i>International Journal of Ambient Energy</i> , 2004 , 25, 171-176		2
22	Thermal performance of a closed wet cooling tower for chilled ceilings: measurement and CFD simulation. <i>International Journal of Energy Research</i> , 2000 , 24, 1171-1179	4.5	2
21	Thermal Comfort and Indoor Air Quality. <i>Green Energy and Technology</i> , 2012 , 1-13	0.6	2
20	Indoor Air Standards and Models. <i>Green Energy and Technology</i> , 2012 , 15-47	0.6	2
19	Numerical simulation of a hybrid CSP/Biomass 5 MWel power plant 2017 ,		1
18	A novel solar façade concept for energy polygeneration in buildings. <i>International Journal of Low-Carbon Technologies</i> , 2015 , ctv020	2.8	1
17	Impact of climate change on cooling energy consumption. <i>Journal of the Energy Institute</i> , 2010 , 83, 171-177		1
16	Low speed wind concentrator to improve wind farm power generation 2009 ,		1
15	Case study of safe working conditions in spanish merchant ships. <i>Polish Maritime Research</i> , 2012 , 19,	1.7	1
14	Permeable Coverings. <i>Green Energy and Technology</i> , 2012 , 99-129	0.6	1
13	Thermal and electrical performance assessment of a solar polygeneration system. <i>Energy Reports</i> , 2020 , 6, 725-731	4.6	1
12	Educational solar energy tool in Matlab environment. <i>Energy Reports</i> , 2020 , 6, 490-495	4.6	1
11	Comparison of nZEB indicators for hotel renovations under different European climatic conditions. <i>International Journal of Low-Carbon Technologies</i> , 2021 , 16, 246-257	2.8	1
10	Evaluation of the performance of a photovoltaic power plant installed in a building in the north of Portugal. <i>Energy Procedia</i> , 2018 , 153, 42-47	2.3	1
9	Thermoeconomic Analysis and Evaluation of a Building-Integrated Photovoltaic (BIPV) System Based on Actual Operational Data. <i>Green Energy and Technology</i> , 2018 , 877-886	0.6	

- 8 Energy assessment of the implementation of renewable energies in a Portuguese household. *International Journal of Low-Carbon Technologies*, **2019**, 14, 452-460 2.8
- 7 Utilities and Effluent Treatment | Refrigeration **2011**, 596-601
- 6 Passive Methods to Address the Sick Building Syndrome in Public Buildings **2011**, 481-492
- 5 Real Indoor Environments. *Green Energy and Technology*, **2012**, 49-70 0.6
- 4 Passive Methods. *Green Energy and Technology*, **2012**, 71-97 0.6
- 3 Future Research Work. *Green Energy and Technology*, **2012**, 131-147 0.6
- 2 POLYSOL Thermal and electrical performance assessment of a cost-effective polygeneration system. *IOP Conference Series: Earth and Environmental Science*, **2019**, 352, 012052 0.3
- 1 Analysis of swimming pool solar heating using the utilizability method. *Energy Reports*, **2020**, 6, 717-724 4.6