

Manuel Ruiz de Adana

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6171567/publications.pdf>

Version: 2024-02-01

39
papers

961
citations

430754

18
h-index

454834

30
g-index

40
all docs

40
docs citations

40
times ranked

866
citing authors

#	ARTICLE	IF	CITATIONS
1	Life cycle assessment of an experimental solar HVAC system and a conventional HVAC system. Energy and Buildings, 2022, 256, 111697.	3.1	7
2	Experimental and numerical study of dew-point indirect evaporative coolers to optimize performance and design. International Journal of Refrigeration, 2022, 142, 92-102.	1.8	7
3	Seasonal Analysis Comparison of Three Air-Cooling Systems in Terms of Thermal Comfort, Air Quality and Energy Consumption for School Buildings in Mediterranean Climates. Energies, 2021, 14, 4436.	1.6	5
4	Exploring the reduction of energy demand of a building with an eco-roof under different irrigation strategies. Sustainable Cities and Society, 2021, 74, 103229.	5.1	9
5	Seasonal Performance Analysis of Three Air Cooling Systems for School Buildings. Environmental Sciences Proceedings, 2021, 9, 14.	0.3	0
6	Experimental and Numerical Analysis of Regenerative Indirect Evaporative Coolers. Environmental Sciences Proceedings, 2021, 9, .	0.3	1
7	Experimental energy performance assessment of a solar desiccant cooling system in Southern Europe climates. Applied Thermal Engineering, 2020, 165, 114579.	3.0	40
8	Influence of the geometry of the airways on the characterization of exhalation flows. Comparison between two different airway complexity levels performing two different breathing functions. Sustainable Cities and Society, 2020, 53, 101874.	5.1	19
9	Experimental study of a modular Unglazed transpired collector FaÅšade for building refurbishment. Solar Energy, 2020, 201, 247-258.	2.9	8
10	Detailed experimental analysis of the energy performance of a desiccant wheel activated at low temperature. Applied Thermal Engineering, 2020, 178, 115580.	3.0	18
11	Experimental study of overheating of an unglazed transpired collector faÅšade under southern European summer conditions for four modes of operation. Solar Energy, 2019, 189, 194-206.	2.9	4
12	Optimization of 100 MWe Parabolic-Trough Solar-Thermal Power Plants Under Regulated and Deregulated Electricity Market Conditions. Energies, 2019, 12, 3973.	1.6	9
13	Non-Invasive Forehead Segmentation in Thermographic Imaging. Sensors, 2019, 19, 4096.	2.1	10
14	Assessment of displacement ventilation systems in airborne infection risk in hospital rooms. PLoS ONE, 2019, 14, e0211390.	1.1	31
15	Long term experimental analysis of thermal performance of extensive green roofs with different substrates in Mediterranean climate. Energy and Buildings, 2019, 197, 18-33.	3.1	27
16	Exhaled contaminant concentration data in a hospital room influenced by external heat gains. Data in Brief, 2019, 24, 103978.	0.5	0
17	Experimental variation of the personal exposure in a hospital room influenced by wall heat gains. Building and Environment, 2019, 154, 252-262.	3.0	11
18	Optimal Operation Strategies into Deregulated Markets for 50 MWe Parabolic Trough Solar Thermal Power Plants with Thermal Storage. Energies, 2019, 12, 935.	1.6	9

#	ARTICLE	IF	CITATIONS
19	Validation of multitask artificial neural networks to model desiccant wheels activated at low temperature. <i>International Journal of Refrigeration</i> , 2019, 100, 434-442.	1.8	6
20	Simplified performance correlation of an indirect evaporative cooling system: Development and validation. <i>International Journal of Refrigeration</i> , 2018, 88, 307-317.	1.8	29
21	Performance of an unglazed transpire collector in the facade of a building for heating and cooling in combination with a desiccant evaporative cooler. <i>Renewable Energy</i> , 2018, 122, 460-471.	4.3	8
22	Experimental evaluation of thermal comfort, ventilation performance indices and exposure to airborne contaminant in an airborne infection isolation room equipped with a displacement air distribution system. <i>Energy and Buildings</i> , 2018, 158, 209-221.	3.1	50
23	Energy saving potential of a hybrid HVAC system with a desiccant wheel activated at low temperatures and an indirect evaporative cooler in handling air in buildings with high latent loads. <i>Applied Thermal Engineering</i> , 2018, 131, 412-427.	3.0	39
24	Experimental assessment of different mixing air ventilation systems on ventilation performance and exposure to exhaled contaminants in hospital rooms. <i>Energy and Buildings</i> , 2018, 177, 207-219.	3.1	46
25	Regulation issues for renewable energy integration into electrical markets. , 2017, , .		1
26	Experimental analysis of the air velocity and contaminant dispersion of human exhalation flows. <i>Indoor Air</i> , 2017, 27, 803-815.	2.0	23
27	Techno-Economic Assessment of Heat Transfer Fluid Buffering for Thermal Energy Storage in the Solar Field of Parabolic Trough Solar Thermal Power Plants. <i>Energies</i> , 2017, 10, 1123.	1.6	10
28	Experimental and numerical analysis of desiccant wheels activated at low temperatures. <i>Energy and Buildings</i> , 2016, 133, 529-540.	3.1	17
29	First and second order simplified models for the performance evaluation of low temperature activated desiccant wheels. <i>Energy and Buildings</i> , 2016, 116, 574-582.	3.1	20
30	World location as associated factor for optimal operation model of Parabolic trough Concentrating Solar Thermal Power plants. , 2016, , .		1
31	Sensitivity study of an opaque ventilated facade in the winter season in different climate zones in Spain. <i>Renewable Energy</i> , 2015, 75, 524-533.	4.3	34
32	The risk of airborne cross-infection in a room with vertical low-velocity ventilation. <i>Indoor Air</i> , 2013, 23, 62-73.	2.0	66
33	CFD analysis of the human exhalation flow using different boundary conditions and ventilation strategies. <i>Building and Environment</i> , 2013, 62, 191-200.	3.0	70
34	Distribution of exhaled contaminants and personal exposure in a room using three different air distribution strategies. <i>Indoor Air</i> , 2012, 22, 64-76.	2.0	131
35	Experimental analysis and model validation of an opaque ventilated facade. <i>Building and Environment</i> , 2012, 56, 265-275.	3.0	52
36	Improvement of power quality using distributed generation. <i>International Journal of Electrical Power and Energy Systems</i> , 2010, 32, 1069-1076.	3.3	63

#	ARTICLE	IF	CITATIONS
37	Optimising ventilation-system design for a container-housed engine. Applied Energy, 2006, 83, 1125-1138.	5.1	7
38	Exergetic analysis and thermoeconomic study for a container-housed engine. Applied Thermal Engineering, 2006, 26, 1840-1850.	3.0	15
39	A Fickian model for calculating wine losses from oak casks depending on conditions in ageing facilities. Applied Thermal Engineering, 2005, 25, 709-718.	3.0	37