

# Ricardo Msf Almeida

## List of Publications by Citations

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

58

papers

812

citations

16

h-index

26

g-index

61

ext. papers

979

ext. citations

4.3

avg, IF

4.93

L-index

#	Paper	IF	Citations
58	Infrared thermography for assessing moisture related phenomena in building components. <i>Construction and Building Materials</i> , <b>2016</b> , 110, 251-269	6.7	80
57	Building information modeling for energy retrofitting [A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 89, 249-260	16.2	78
56	Indoor environmental quality of classrooms in Southern European climate. <i>Energy and Buildings</i> , <b>2014</b> , 81, 127-140	7	58
55	An infrared thermography passive approach to assess the effect of leakage points in buildings. <i>Energy and Buildings</i> , <b>2017</b> , 140, 224-235	7	45
54	Thermal comfort models and pupils' perception in free-running school buildings of a mild climate country. <i>Energy and Buildings</i> , <b>2016</b> , 111, 64-75	7	44
53	Parametric study of double-skin facades performance in mild climate countries. <i>Journal of Building Engineering</i> , <b>2017</b> , 12, 87-98	5.2	40
52	Airtightness and ventilation in a mild climate country rehabilitated social housing buildings [What users want and what they get. <i>Building and Environment</i> , <b>2015</b> , 92, 97-110	6.5	34
51	A discussion concerning active infrared thermography in the evaluation of buildings air infiltration. <i>Energy and Buildings</i> , <b>2018</b> , 168, 56-66	7	31
50	A contribution for the quantification of the influence of windows on the airtightness of Southern European buildings. <i>Energy and Buildings</i> , <b>2017</b> , 139, 174-185	7	24
49	A framework for in-situ geometric data acquisition using laser scanning for BIM modelling. <i>Journal of Building Engineering</i> , <b>2020</b> , 28, 101073	5.2	24
48	Thermographic 2D U-value map for quantifying thermal bridges in building faades. <i>Energy and Buildings</i> , <b>2020</b> , 224, 110176	7	18
47	Natural ventilation and indoor air quality in educational buildings: experimental assessment and improvement strategies. <i>Energy Efficiency</i> , <b>2017</b> , 10, 839-854	3	18
46	Indoor hygrothermal conditions and quality of life in social housing: A comparison between two neighbourhoods. <i>Sustainable Cities and Society</i> , <b>2018</b> , 38, 80-90	10.1	17
45	IEQ Assessment of Classrooms with an Optimized Demand Controlled Ventilation System. <i>Energy Procedia</i> , <b>2015</b> , 78, 3132-3137	2.3	17
44	Knowledge discovery of indoor environment patterns in mild climate countries based on data mining applied to in-situ measurements. <i>Sustainable Cities and Society</i> , <b>2017</b> , 30, 37-48	10.1	16
43	A discussion about thermal comfort evaluation in a bus terminal. <i>Energy and Buildings</i> , <b>2018</b> , 168, 86-96	7	16
42	AN INSULATION THICKNESS OPTIMIZATION METHODOLOGY FOR SCHOOL BUILDINGS REHABILITATION COMBINING ARTIFICIAL NEURAL NETWORKS AND LIFE CYCLE COST. <i>Journal of Civil Engineering and Management</i> , <b>2016</b> , 22, 915-923	3	16

41	Towards a methodology to include building energy simulation uncertainty in the Life Cycle Cost analysis of rehabilitation alternatives. <i>Journal of Building Engineering</i> , <b>2015</b> , 2, 44-51	5.2	16
40	Methodology for detection of occupant actions in residential buildings using indoor environment monitoring systems. <i>Building and Environment</i> , <b>2018</b> , 146, 107-118	6.5	14
39	Multi-Objective Optimisation of the Energy Performance of Lightweight Constructions Combining Evolutionary Algorithms and Life Cycle Cost. <i>Energies</i> , <b>2018</b> , 11, 1863	3.1	14
38	Quantitative Infrared Thermography to Evaluate the Humidification of Lightweight Concrete. <i>Sensors</i> , <b>2020</b> , 20,	3.8	13
37	Occupant influence on residential ventilation patterns in mild climate conditions. <i>Energy Procedia</i> , <b>2017</b> , 132, 837-842	2.3	12
36	Thermal comfort evaluation in cruise terminals. <i>Building and Environment</i> , <b>2017</b> , 126, 276-287	6.5	11
35	Energy performance of buildings with on-site energy generation and storage [An integrated assessment using dynamic simulation. <i>Journal of Building Engineering</i> , <b>2019</b> , 24, 100769	5.2	11
34	Thermal characterisation of traditional wall solution of built heritage using the simple hot box-heat flow meter method: In situ measurements and numerical simulation. <i>Applied Thermal Engineering</i> , <b>2020</b> , 169, 114935	5.8	11
33	Residential buildings airtightness frameworks: A review on the main databases and setups in Europe and North America. <i>Building and Environment</i> , <b>2020</b> , 183, 107221	6.5	10
32	Aspects concerning the acoustical performance of school buildings in Portugal. <i>Applied Acoustics</i> , <b>2016</b> , 106, 129-134	3.1	10
31	Automated data-processing technique: 2D Map for identifying the distribution of the U-value in building elements by quantitative internal thermography. <i>Automation in Construction</i> , <b>2021</b> , 122, 103478	9.6	9
30	Energy and Water Consumption Variability in School Buildings: Review and Application of Clustering Techniques. <i>Journal of Performance of Constructed Facilities</i> , <b>2015</b> , 29, 04014165	2	8
29	A case study to improve the winter thermal comfort of an existing bus station. <i>Journal of Building Engineering</i> , <b>2020</b> , 29, 101123	5.2	8
28	Assessing the humidification process of lightweight concrete specimens through infrared thermography. <i>Energy Procedia</i> , <b>2017</b> , 132, 213-218	2.3	7
27	Monte Carlo Simulation to Evaluate Mould Growth in Walls: The Effect of Insulation, Orientation, and Finishing Coating. <i>Advances in Civil Engineering</i> , <b>2018</b> , 2018, 1-12	1.3	7
26	Analysis of User Behavior Profiles and Impact on the Indoor Environment in Social Housing of Mild Climate Countries. <i>Energy Procedia</i> , <b>2015</b> , 78, 561-566	2.3	7
25	Numerical Analysis of the Energy Improvement of Plastering Mortars with Phase Change Materials. <i>Advances in Materials Science and Engineering</i> , <b>2014</b> , 2014, 1-12	1.5	7
24	Impact of unoccupied flats on the thermal discomfort and energy demand: Case of a multi-residential building. <i>Energy and Buildings</i> , <b>2020</b> , 209, 109704	7	7

23	Opportunities of Light Steel Framing towards thermal comfort in southern European climates: Long-term monitoring and comparison with the heavyweight construction. <i>Building and Environment</i> , <b>2021</b> , 200, 107937	6.5	7
22	An innovative approach to evaluate local thermal discomfort due to draught in semi-outdoor spaces. <i>Energy and Buildings</i> , <b>2019</b> , 203, 109416	7	5
21	Recycling Wastes in Concrete Production: Performance and Eco-toxicity Assessment. <i>Waste and Biomass Valorization</i> , <b>2020</b> , 11, 1169-1180	3.2	5
20	Condensation and Mold Risk Evaluation in a Gymnasium: In Situ Measurements and Numerical Simulation. <i>Journal of Performance of Constructed Facilities</i> , <b>2017</b> , 31, 04017049	2	4
19	Aspects concerning the acoustical performance of school cafeterias. <i>Applied Acoustics</i> , <b>2018</b> , 136, 36-40	3.1	4
18	Assessing the variability of the air change rate through tracer gas measurements. <i>Energy Procedia</i> , <b>2017</b> , 132, 831-836	2.3	4
17	Drying Evaluation Using Infrared Thermography. <i>Energy Procedia</i> , <b>2015</b> , 78, 170-175	2.3	4
16	BIM framework for the specification of information requirements in energy-related projects. <i>Engineering, Construction and Architectural Management</i> , <b>2020</b> , ahead-of-print,	3.1	4
15	Lightweight and prefabricated construction as a path to energy efficient buildings: thermal design and execution challenges. <i>International Journal of Environment and Sustainable Development</i> , <b>2020</b> , 19, 1	1.3	3
14	Eco-toxicity assessment of concrete prepared with industrial wastes. <i>Energy Procedia</i> , <b>2017</b> , 136, 115-120	2.3	3
13	Energy consumption in intermittently heated residential buildings: Light Steel Framing vs hollow brick masonry constructive system. <i>Journal of Building Engineering</i> , <b>2021</b> , 43, 103024	5.2	3
12	Infrared Thermography for Building Moisture Inspection. <i>SpringerBriefs in Applied Sciences and Technology</i> , <b>2019</b> ,	0.4	2
11	A Case Study on a Stochastic-Based Optimisation Approach towards the Integration of Photovoltaic Panels in Multi-Residential Social Housing. <i>Energies</i> , <b>2021</b> , 14, 7615	3.1	1
10	The Importance of Moisture Content to the Emissivity of Ceramic Bricks. <i>Proceedings (mdpi)</i> , <b>2019</b> , 27, 4	0.3	1
9	Reliability of quantitative and qualitative assessment of air leakage paths through reductive sealing. <i>Building and Environment</i> , <b>2020</b> , 183, 107151	6.5	1
8	CO <sub>2</sub> experimental measurements towards the development of a predictive framework using user actions in smart buildings. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1343, 012061	0.3	1
7	Impact of atmospherical stability and intra-hour variation of meteorological data in the variability of building air change rates. <i>Building and Environment</i> , <b>2021</b> , 207, 108528	6.5	0
6	Evaluation of heat transfer in humidification phenomena [Comparison between infrared thermography and numerical simulation. <i>MATEC Web of Conferences</i> , <b>2019</b> , 282, 02032	0.3	

- 5 IRT Versus Drying: In Situ Tests in Outdoor Environment. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 53-62 0.4
- 4 IRT Versus Moisture: In Situ Tests in Indoor Environment. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 43-51 0.4
- 3 IRT Versus Moisture: Laboratory Tests. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 29-42 0.4
- 2 Bioreceptivity of different painting systems to mould growth on "tabique" walls and plasterboards. *Conservar Patrimonio*, **2020**, 35, 101-115 0.4
- 1 Measurement of Surface Temperature Using Different Devices. *SpringerBriefs in Applied Sciences and Technology*, **2019**, 7-28 0.4