

# Carlos Rubio-Bellido

## List of Publications by Year in Descending Order

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**Version:** 2024-04-29

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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.

77  
papers

806  
citations

17  
h-index

25  
g-index

88  
ext. papers

1,013  
ext. citations

4.2  
avg, IF

5.25  
L-index

#	Paper	IF	Citations
77	Long-term environmental monitoring for preventive conservation of external historical plasterworks. <i>Journal of Building Engineering</i> , <b>2022</b> , 47, 103896	5.2	2
76	Assessment of energy poverty in Andalusian municipalities. Application of a combined indicator to detect priorities. <i>Energy Reports</i> , <b>2022</b> , 8, 5100-5116	4.6	0
75	Influence of the type of solar protection on thermal and light performance in classrooms. <i>Energy Reports</i> , <b>2022</b> , 8, 5329-5340	4.6	0
74	Collecting and Reviewing Written Resources that Map the Knowledge Triangle for Transferring Research and Innovation on Sustainable Rehabilitation of the Built Environment in Continuing Education. <i>Springer Series in Geomechanics and Geoengineering</i> , <b>2021</b> , 377-392	0.1	
73	The Effect of Thermal Bridge Junctions Between Pillars and Walls in the Energy Demand of Buildings in Warm Climate. <i>Springer Series in Geomechanics and Geoengineering</i> , <b>2021</b> , 437-448	0.1	
72	Energy Saving Achieved with Adaptive Setpoint Temperatures Based on EN16798-1: Application of the Category III. <i>Springer Series in Geomechanics and Geoengineering</i> , <b>2021</b> , 458-466	0.1	
71	The Influence of the Envelope Thermal Properties on Building Energy Performance. <i>SpringerBriefs in Applied Sciences and Technology</i> , <b>2021</b> , 1-12	0.4	
70	Methods to Assess the Thermal Properties of the Building Envelope. <i>SpringerBriefs in Applied Sciences and Technology</i> , <b>2021</b> , 13-30	0.4	
69	Methodological Framework of Artificial Intelligence Algorithms and Generation of the Dataset. <i>SpringerBriefs in Applied Sciences and Technology</i> , <b>2021</b> , 31-45	0.4	
68	Influence of the RCP scenarios on the effectiveness of adaptive strategies in buildings around the world. <i>Building and Environment</i> , <b>2021</b> , 208, 108631	6.5	3
67	Feasibility of adaptive thermal comfort for energy savings in cooling and heating: A study on Europe and the Mediterranean basin. <i>Urban Climate</i> , <b>2021</b> , 36, 100807	6.8	7
66	Present and Future Energy Poverty, a Holistic Approach: A Case Study in Seville, Spain. <i>Sustainability</i> , <b>2021</b> , 13, 7866	3.6	1
65	Optimization of the Characterization of the Thermal Properties of the Building Envelope. <i>SpringerBriefs in Applied Sciences and Technology</i> , <b>2021</b> ,	0.4	1
64	Analysing the inequitable energy framework for the implementation of nearly zero energy buildings (nZEB) in Spain. <i>Journal of Building Engineering</i> , <b>2021</b> , 35, 102011	5.2	6
63	Adaptive setpoint temperatures to reduce the risk of energy poverty? A local case study in Seville. <i>Energy and Buildings</i> , <b>2021</b> , 231, 110571	7	6
62	Building Energy Efficiency and Sustainability. <i>SpringerBriefs in Architectural Design and Technology</i> , <b>2021</b> , 1-11	0.1	
61	Decision-Making in Applying Adaptive Approaches in Indoor Spaces. <i>SpringerBriefs in Architectural Design and Technology</i> , <b>2021</b> , 69-75	0.1	

60	Application of Adaptive Thermal Comfort Models for Energy Saving in Buildings. <i>SpringerBriefs in Architectural Design and Technology</i> , <b>2021</b> , 35-50	0.1	
59	Prediction of Fuel Poverty Potential Risk Index Using Six Regression Algorithms: A Case-Study of Chilean Social Dwellings. <i>Sustainability</i> , <b>2021</b> , 13, 2426	3.6	0
58	Analysis of climate change impact on the preservation of heritage elements in historic buildings with a deficient indoor microclimate in warm regions. <i>Building and Environment</i> , <b>2021</b> , 200, 107959	6.5	4
57	Influence of the Representative Concentration Pathways (RCP) scenarios on the bioclimatic design strategies of the built environment. <i>Sustainable Cities and Society</i> , <b>2021</b> , 72, 103042	10.1	7
56	Potential of applying adaptive strategies in buildings to reduce the severity of fuel poverty according to the climate zone and climate change: The case of Andalusia. <i>Sustainable Cities and Society</i> , <b>2021</b> , 73, 103088	10.1	4
55	Computational approach to extend the air-conditioning usage to adaptive comfort: Adaptive-Comfort-Control-Implementation Script. <i>Automation in Construction</i> , <b>2021</b> , 131, 103900	9.6	2
54	Applying the mixed-mode with an adaptive approach to reduce the energy poverty in social dwellings: The case of Spain. <i>Energy</i> , <b>2021</b> , 237, 121636	7.9	2
53	Adaptive Thermal Comfort Models for Buildings. <i>SpringerBriefs in Architectural Design and Technology</i> , <b>2021</b> , 13-33	0.1	
52	Energy Savings Obtained with an Adaptive Approach with Respect to Building Envelope Improvement. <i>SpringerBriefs in Architectural Design and Technology</i> , <b>2021</b> , 51-67	0.1	
51	Evaluating the potential of adaptive comfort approach using historic data to reduce energy consumption in buildings in southern Spain. <i>Building and Environment</i> , <b>2020</b> , 185, 107313	6.5	3
50	Experimental characterisation of the periodic thermal properties of walls using artificial intelligence. <i>Energy</i> , <b>2020</b> , 203, 117871	7.9	6
49	Influence of future climate changes scenarios on the feasibility of the adaptive comfort model in Japan. <i>Sustainable Cities and Society</i> , <b>2020</b> , 61, 102303	10.1	14
48	Analysis of Energy Consumption in Different European Cities: The Adaptive Comfort Control Implemented Model (ACCIM) Considering Representative Concentration Pathways (RCP) Scenarios. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 1513	2.6	10
47	Towards the implementation of periodic thermal transmittance in Spanish building energy regulation. <i>Journal of Building Engineering</i> , <b>2020</b> , 31, 101402	5.2	7
46	Comparison of energy conservation measures considering adaptive thermal comfort and climate change in existing Mediterranean dwellings. <i>Energy</i> , <b>2020</b> , 190, 116448	7.9	17
45	Automation and optimization of in-situ assessment of wall thermal transmittance using a Random Forest algorithm. <i>Building and Environment</i> , <b>2020</b> , 168, 106479	6.5	10
44	Influence of adaptive energy saving techniques on office buildings located in cities of the Iberian Peninsula. <i>Sustainable Cities and Society</i> , <b>2020</b> , 53, 101944	10.1	15
43	Optimization of energy saving with adaptive setpoint temperatures by calculating the prevailing mean outdoor air temperature. <i>Building and Environment</i> , <b>2020</b> , 170, 106612	6.5	19

42	Energy saving potential in current and future world built environments based on the adaptive comfort approach. <i>Journal of Cleaner Production</i> , <b>2020</b> , 249, 119306	10.3	22
41	Analysing natural ventilation to reduce the cooling energy consumption and the fuel poverty of social dwellings in coastal zones. <i>Applied Energy</i> , <b>2020</b> , 279, 115845	10.7	25
40	Effect on the Thermal Properties of Mortar Blocks by Using Recycled Glass and Its Application for Social Dwellings. <i>Energies</i> , <b>2020</b> , 13, 5702	3.1	1
39	Energy poverty risk mapping methodology considering the user's thermal adaptability: The case of Chile. <i>Energy for Sustainable Development</i> , <b>2020</b> , 58, 63-77	5.4	12
38	Influence of the Improvement in Thermal Expectation Levels with Adaptive Setpoint Temperatures on Energy Consumption. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 5282	2.6	3
37	A comparative study on energy demand through the adaptive thermal comfort approach considering climate change in office buildings of Spain. <i>Building Simulation</i> , <b>2020</b> , 13, 51-63	3.9	14
36	Rammed Earth Construction: A Proposal for a Statistical Quality Control in the Execution Process. <i>Sustainability</i> , <b>2020</b> , 12, 2830	3.6	5
35	Influence of climate on the creation of multilayer perceptrons to analyse the risk of fuel poverty. <i>Energy and Buildings</i> , <b>2019</b> , 198, 38-60	7	13
34	Adaptive Comfort Control Implemented Model (ACCIM) for Energy Consumption Predictions in Dwellings under Current and Future Climate Conditions: A Case Study Located in Spain. <i>Energies</i> , <b>2019</b> , 12, 1498	3.1	28
33	Architectural and Management Strategies for The Design, Construction and Operation of Energy Efficient and Intelligent Primary Care Centers in Chile. <i>Sustainability</i> , <b>2019</b> , 11, 464	3.6	5
32	Towards a multiple-indicator approach to energy poverty in the European Union: A review. <i>Energy and Buildings</i> , <b>2019</b> , 193, 36-48	7	69
31	Towards the quantification of energy demand and consumption through the adaptive comfort approach in mixed mode office buildings considering climate change. <i>Energy and Buildings</i> , <b>2019</b> , 187, 173-185	7	46
30	Internal surface condensation risk in façades of Spanish social dwellings. <i>Building Research and Information</i> , <b>2019</b> , 47, 928-947	4.3	2
29	Optimizing the evaluation of thermal transmittance with the thermometric method using multilayer perceptrons. <i>Energy and Buildings</i> , <b>2019</b> , 198, 395-411	7	19
28	Towards a Life Cycle Sustainability Assessment method for the quantification and reduction of impacts of buildings life cycle. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 323, 012107	0.3	4
27	Estimating Adaptive Setpoint Temperatures Using Weather Stations. <i>Energies</i> , <b>2019</b> , 12, 1197	3.1	13
26	A Comparative Analysis of the International Regulation of Thermal Properties in Building Envelope. <i>Sustainability</i> , <b>2019</b> , 11, 5574	3.6	21
25	Comparing Mechanical Behavior of API H-Class Cement Reinforced with Carbon, Mineral or Polypropylene Fiber Additions. <i>Arabian Journal for Science and Engineering</i> , <b>2019</b> , 44, 6119-6125	2.5	1

24	Fuel Poverty Potential Risk Index in the context of climate change in Chile. <i>Energy Policy</i> , <b>2018</b> , 113, 157-170	28
23	Understanding climatic traditions: A quantitative and qualitative analysis of historic dwellings of Cadiz. <i>Indoor and Built Environment</i> , <b>2018</b> , 27, 665-681	1.8 3
22	Influence of Adaptive Comfort Models on Energy Improvement for Housing in Cold Areas. <i>Sustainability</i> , <b>2018</b> , 10, 859	3.6 5
21	Linguistic descriptions of thermal comfort data for buildings: Definition, implementation and evaluation. <i>Building Simulation</i> , <b>2018</b> , 11, 1095-1108	3.9
20	Influence of Adaptive Comfort Models in Execution Cost Improvements for Housing Thermal Environment in Concepci3n, Chile. <i>Sustainability</i> , <b>2018</b> , 10, 2368	3.6 1
19	Adaptive Comfort Models Applied to Existing Dwellings in Mediterranean Climate Considering Global Warming. <i>Sustainability</i> , <b>2018</b> , 10, 3507	3.6 13
18	Adaptive Thermal Comfort Potential in Mediterranean Office Buildings: A Case Study of Torre Sevilla. <i>Sustainability</i> , <b>2018</b> , 10, 3091	3.6 10
17	Development of a new adaptive comfort model for low income housing in the central-south of chile. <i>Energy and Buildings</i> , <b>2018</b> , 178, 94-106	7 43
16	Artificial neural networks and linear regression prediction models for social housing allocation: Fuel Poverty Potential Risk Index. <i>Energy</i> , <b>2018</b> , 164, 627-641	7.9 22
15	Comparison of linear regression and artificial neural networks models to predict heating and cooling energy demand, energy consumption and CO 2 emissions. <i>Energy</i> , <b>2017</b> , 118, 24-36	7.9 81
14	Development policy in social housing allocation: Fuel poverty potential risk index. <i>Indoor and Built Environment</i> , <b>2017</b> , 26, 980-998	1.8 19
13	El control adaptativo en instalaciones existentes y su potencial en el contexto del cambio clim3tico. <b>2017</b> , 7, 06-17	14
12	Application of adaptive comfort behaviors in Chilean social housing standards under the influence of climate change. <i>Building Simulation</i> , <b>2017</b> , 10, 933-947	3.9 23
11	Study on Envelope in Office Buildings Under the Influence of Climate Change in Santiago, Chile <b>2017</b> , 393-401	
10	Optimization of annual energy demand in office buildings under the influence of climate change in Chile. <i>Energy</i> , <b>2016</b> , 114, 569-585	7.9 40
9	Multivariable regression analysis to assess energy consumption and CO2 emissions in the early stages of offices design in Chile. <i>Energy and Buildings</i> , <b>2016</b> , 133, 738-753	7 15
8	Measuring Climate Change Impact on Urban Microclimate: A Case Study of Concepci3n. <i>Procedia Engineering</i> , <b>2016</b> , 161, 2290-2296	2
7	A Simplified Simulation Model for Predicting Radiative Transfer in Long Street Canyons under High Solar Radiation Conditions. <i>Energies</i> , <b>2015</b> , 8, 13540-13558	3.1 4

6	Adaptation Strategies and Resilience to Climate Change of Historic Dwellings. <i>Sustainability</i> , <b>2015</b> , 7, 3695-3713	3.6	22
5	New configuration factor between a circle and a point-plane at random positions. <i>International Journal of Heat and Mass Transfer</i> , <b>2014</b> , 69, 147-150	4.9	5
4	Spanish fortifications in Asia: a case study of Intramuros district in Manila [Current situation and future prospects <b>2014</b> ,		2
3	Management of the Building Process in Temporary Constructions: Case Study of the Unicaja Exhibition Pavilion <b>2014</b> , 35-42		
2	The future of fortifications in the city of Cadiz: opportunities and strategies for an urban regeneration <b>2012</b> ,		3
1	Using adaptive strategies of natural ventilation with tolerances applied to the upper limit to improve social dwellings [Thermal comfort in current and future scenarios. <i>Science and Technology for the Built Environment</i> , 1-18	1.8	