

Harry Boyer

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.

29
papers

495
citations

14
h-index

21
g-index

29
ext. papers

557
ext. citations

6.3
avg, IF

3.25
L-index

#	Paper	IF	Citations
29	A detailed weather data generator for building simulations. <i>Energy and Buildings</i> , 2000 , 31, 75-88	7	35
28	Building energy efficiency and thermal comfort in tropical climates: Presentation of a numerical approach for predicting the percentage of well-ventilated living spaces in buildings using natural ventilation. <i>Energy and Buildings</i> , 2006 , 38, 1093-1103	7	34
27	On the thermal behaviour of roof-mounted radiant barriers under tropical and humid climatic conditions: modelling and empirical validation. <i>Energy and Buildings</i> , 2003 , 35, 997-1008	7	34
26	A thermal model for phase change materials in a building roof for a tropical and humid climate: Model description and elements of validation. <i>Energy and Buildings</i> , 2014 , 70, 71-80	7	33
25	Study of moisture in buildings for hot humid climates. <i>Energy and Buildings</i> , 2002 , 34, 345-355	7	33
24	Energy, cost, and CO2 emission comparison between radiant wall panel systems and radiator systems. <i>Energy and Buildings</i> , 2012 , 54, 496-502	7	31
23	Evaluation of the thermal resistance of a roof-mounted multi-reflective radiant barrier for tropical and humid conditions: Experimental study from field measurements. <i>Energy and Buildings</i> , 2012 , 48, 79-90	7	28
22	A simple evaluation of global and diffuse luminous efficacy for all sky conditions in tropical and humid climate. <i>Renewable Energy</i> , 2011 , 36, 298-306	8.1	26
21	A combined approach for determining the thermal performance of radiant barriers under field conditions. <i>Solar Energy</i> , 2008 , 82, 399-410	6.8	19
20	Study of tubular daylight guide systems in buildings: Experimentation, modelling and validation. <i>Energy and Buildings</i> , 2016 , 129, 308-321	7	19
19	Empirical validation of the thermal model of a passive solar cell test. <i>Energy and Buildings</i> , 2001 , 33, 589-599	7	18
18	Hybrid modelling of a sugar boiling process. <i>Control Engineering Practice</i> , 2000 , 8, 299-310	3.9	18
17	A nodal thermal model for photovoltaic systems: Impact on building temperature fields and elements of validation for tropical and humid climatic conditions. <i>Energy and Buildings</i> , 2009 , 41, 1117-1126	7	16
16	A genetic algorithm applied to the validation of building thermal models. <i>Energy and Buildings</i> , 2005 , 37, 858-866	7	15
15	Experimental investigation on a complex roof incorporating phase-change material. <i>Energy and Buildings</i> , 2015 , 108, 36-43	7	14
14	Model optimization and validation with experimental data using the case study of a building equipped with photovoltaic panel on roof: Coupling of the building thermal simulation code ISOLAB with the generic optimization program GenOpt. <i>Energy and Buildings</i> , 2013 , 58, 333-347	7	14
13	A complex roof incorporating phase change material for improving thermal comfort in a dedicated test cell. <i>Renewable Energy</i> , 2017 , 101, 450-461	8.1	13

12	Parametric Sensitivity Analysis of a Test Cell Thermal Model Using Spectral Analysis. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2002 , 124, 237-242	2.3	13
11	Implementation and experimental survey of passive design specifications used in new low-cost housing under tropical climates. <i>Energy and Buildings</i> , 2004 , 36, 353-366	7	12
10	A validation methodology aid for improving a thermal building model: case of diffuse radiation accounting in a tropical climate. <i>Energy and Buildings</i> , 2001 , 33, 711-718	7	12
9	Development of a new model to predict indoor daylighting: Integration in CODYRUN software and validation. <i>Energy Conversion and Management</i> , 2011 , 52, 2724-2734	10.6	11
8	Bringing simulation to implementation: presentation of a global approach in the design of passive solar buildings under humid tropical climates. <i>Solar Energy</i> , 2001 , 71, 109-120	6.8	9
7	Bayesian Parameter Estimation of Convective Heat Transfer Coefficients of a Roof-Mounted Radiant Barrier System. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2006 , 128, 213-225 ²⁻³	2.3	8
6	Bringing scientific knowledge from research to the professional fields: the case of the thermal and airflow design of buildings in tropical climates. <i>Energy and Buildings</i> , 2002 , 34, 511-521	7	8
5	Photometrical analysis of mirrored light pipe: From state-of-the-art on experimental results (1990-2019) to the proposition of new experimental observations in high solar potential climates. <i>Solar Energy</i> , 2019 , 193, 637-653	6.8	7
4	Natural Ventilation - A New Method Based on the Walton Model Applied to Cross-Ventilated Buildings having Two Large External Openings. <i>International Journal of Ventilation</i> , 2007 , 6, 195-206	1.1	7
3	Empirical Validation of a Thermal Model of a Complex Roof Including Phase Change Materials. <i>Energies</i> , 2016 , 9, 9	3.1	4
2	Thermal Performance of Photovoltaic Systems Integrated in Buildings		3
1	SHADECO: A low-cost shadow-ring for diffuse measures: State of the art, principles, design and application. <i>Renewable Energy</i> , 2018 , 117, 71-84	8.1	1