Harry Boyer

List of Publications by Year in Descending Order

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	Photometrical analysis of mirrored light pipe: From state-of-the-art on experimental results (19902019) to the proposition of new experimental observations in high solar potential climates. *Solar Energy*, **2019**, 193, 637-653	6.8	7
28	SHADECO: A low-cost shadow-ring for diffuse measures: State of the art, principles, design and application. *Renewable Energy*, **2018**, 117, 71-84	8.1	1
27	A complex roof incorporating phase change material for improving thermal comfort in a dedicated test cell. *Renewable Energy*, **2017**, 101, 450-461	8.1	13
26	Empirical Validation of a Thermal Model of a Complex Roof Including Phase Change Materials. *Energies*, **2016**, 9, 9	3.1	4
25	Study of tubular daylight guide systems in buildings: Experimentation, modelling and validation. *Energy and Buildings*, **2016**, 129, 308-321	7	19
24	Experimental investigation on a complex roof incorporating phase-change material. *Energy and Buildings*, **2015**, 108, 36-43	7	14
23	A thermal model for phase change materials in a building roof for a tropical and humid climate: Model description and elements of validation. *Energy and Buildings*, **2014**, 70, 71-80	7	33
22	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. *Energy and Buildings*, **2013**, 58, 333-347	7	14
21	Evaluation of the thermal resistance of a roof-mounted multi-reflective radiant barrier for tropical and humid conditions: Experimental study from field measurements. *Energy and Buildings*, **2012**, 48, 79-90	7	28
20	Energy, cost, and CO2 emission comparison between radiant wall panel systems and radiator systems. *Energy and Buildings*, **2012**, 54, 496-502	7	31
19	Development of a new model to predict indoor daylighting: Integration in CODYRUN software and validation. *Energy Conversion and Management*, **2011**, 52, 2724-2734	10.6	11
18	A simple evaluation of global and diffuse luminous efficacy for all sky conditions in tropical and humid climate. *Renewable Energy*, **2011**, 36, 298-306	8.1	26
17	A nodal thermal model for photovoltaic systems: Impact on building temperature fields and elements of validation for tropical and humid climatic conditions. *Energy and Buildings*, **2009**, 41, 1117-1126	7	16
16	A combined approach for determining the thermal performance of radiant barriers under field conditions. *Solar Energy*, **2008**, 82, 399-410	6.8	19
15	Natural Ventilation - A New Method Based on the Walton Model Applied to Cross-Ventilated Buildings having Two Large External Openings. *International Journal of Ventilation*, **2007**, 6, 195-206	1.1	7
14	Bayesian Parameter Estimation of Convective Heat Transfer Coefficients of a Roof-Mounted Radiant Barrier System. *Journal of Solar Energy Engineering, Transactions of the ASME*, **2006**, 128, 213-225	2.3	8
13	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. *Energy and Buildings*, **2006**, 38, 1093-1103	7	34

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12	A genetic algorithm applied to the validation of building thermal models. *Energy and Buildings*, **2005**, 37, 858-866	7	15
11	Implementation and experimental survey of passive design specifications used in new low-cost housing under tropical climates. *Energy and Buildings*, **2004**, 36, 353-366	7	12
10	On the thermal behaviour of roof-mounted radiant barriers under tropical and humid climatic conditions: modelling and empirical validation. *Energy and Buildings*, **2003**, 35, 997-1008	7	34
9	Study of moisture in buildings for hot humid climates. *Energy and Buildings*, **2002**, 34, 345-355	7	33
8	Bringing scientific knowledge from research to the professional fields: the case of the thermal and airflow design of buildings in tropical climates. *Energy and Buildings*, **2002**, 34, 511-521	7	8
7	Parametric Sensitivity Analysis of a Test Cell Thermal Model Using Spectral Analysis. *Journal of Solar Energy Engineering, Transactions of the ASME*, **2002**, 124, 237-242	2.3	13
6	A validation methodology aid for improving a thermal building model: case of diffuse radiation accounting in a tropical climate. *Energy and Buildings*, **2001**, 33, 711-718	7	12
5	Bringing simulation to implementation: presentation of a global approach in the design of passive solar buildings under humid tropical climates. *Solar Energy*, **2001**, 71, 109-120	6.8	9
4	Empirical validation of the thermal model of a passive solar cell test. *Energy and Buildings*, **2001**, 33, 589-599	7	18
3	Hybrid modelling of a sugar boiling process. *Control Engineering Practice*, **2000**, 8, 299-310	3.9	18
2	A detailed weather data generator for building simulations. *Energy and Buildings*, **2000**, 31, 75-88	7	35
1	Thermal Performance of Photovoltaic Systems Integrated in Buildings		3