

Carla Balocco

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

647
citations

567144

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25
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32
all docs

32
docs citations

32
times ranked

613
citing authors

#	ARTICLE	IF	CITATIONS
1	A simple model to study ventilated facades energy performance. Energy and Buildings, 2002, 34, 469-475.	3.1	130
2	A non-dimensional analysis of a ventilated double facade energy performance. Energy and Buildings, 2004, 36, 35-40.	3.1	59
3	Numerical simulation of ancient natural ventilation systems of historical buildings. A case study in Palermo. Journal of Cultural Heritage, 2009, 10, 313-318.	1.5	41
4	Thermal behaviour of interactive mechanically ventilated double glazed facade: Non-dimensional analysis. Energy and Buildings, 2006, 38, 1-7.	3.1	37
5	Thermodynamic parameters for energy sustainability of urban areas. Solar Energy, 2000, 69, 351-356.	2.9	35
6	Natural light design for an ancient building: A case study. Journal of Cultural Heritage, 2008, 9, 172-178.	1.5	34
7	Daily natural heat convection in a historical hall. Journal of Cultural Heritage, 2007, 8, 370-376.	1.5	25
8	Experimental transmittance of polyethylene films in the solar and infrared wavelengths. Solar Energy, 2018, 165, 199-205.	2.9	24
9	A Method for Sustainable Lighting, Preventive Conservation, Energy Design and Technology "Lighting a Historical Church Converted into a University Library. Sustainability, 2019, 11, 3145.	1.6	22
10	Assessing ventilation system performance in isolation rooms. Energy and Buildings, 2011, 43, 246-252.	3.1	21
11	Assessing the effects of sliding doors on an operating theatre climate. Building Simulation, 2012, 5, 73-83.	3.0	21
12	Indoor microclimatic study for Cultural Heritage protection and preventive conservation in the Palatina Library. Journal of Cultural Heritage, 2016, 22, 956-967.	1.5	21
13	Energy Cost for Effective Ventilation and Air Quality for Healthy Buildings: Plant Proposals for a Historic Building School Reopening in the Covid-19 Era. Sustainability, 2020, 12, 8737.	1.6	18
14	Plant refurbishment in historical buildings turned into museum. Energy and Buildings, 2007, 39, 693-701.	3.1	16
15	Natural lighting in the Hall of Two Hundred. A proposal for exhibition of its ancient tapestries. Journal of Cultural Heritage, 2010, 11, 113-118.	1.5	15
16	Hospital ventilation simulation for the study of potential exposure to contaminants. Building Simulation, 2011, 4, 5-20.	3.0	15
17	Numerical Modelling for the Thermal Performance Assessment of a Semi-Opaque Façade with a Multilayer of Nano-Structured and Phase Change Materials. Buildings, 2017, 7, 90.	1.4	15
18	Assessment of Energy Sustainable Operations on a Historical Building. The Dante Alighieri High School in Florence. Sustainability, 2018, 10, 2054.	1.6	12

#	ARTICLE	IF	CITATIONS
19	The Influence of Surgical Staff Behavior on Air Quality in a Conventionally Ventilated Operating Theatre during a Simulated Arthroplasty: A Case Study at the University Hospital of Parma. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 452.	1.2	12
20	Numerical multi-physical approach for the assessment of coupled heat and moisture transfer combined with people movements in historical buildings. <i>Building Simulation</i> , 2014, 7, 289-303.	3.0	11
21	Lighting Design for Energy Sustainability, Information, and Perception. A Museum Environment as a Case Study. <i>Sustainability</i> , 2018, 10, 1671.	1.6	11
22	Optimal and Sustainable Plant Refurbishment in Historical Buildings: A Study of an Ancient Monastery Converted into a Showroom in Florence. <i>Sustainability</i> , 2013, 5, 1700-1724.	1.6	10
23	Biological and microclimatic monitoring for conservation of cultural heritage: a case study at the De Rossi room of the Palatina library in Parma. <i>Aerobiologia</i> , 2020, 36, 105-111.	0.7	8
24	A statistical method to evaluate urban energy needs. <i>International Journal of Energy Research</i> , 1997, 21, 1321-1330.	2.2	6
25	Experimental and Numerical Investigation on Airflow and Climate in a Real Operating Theatre under Effective Use Conditions. <i>International Journal of Ventilation</i> , 2015, 13, 351-368.	0.2	6
26	Light, Information and Perception inside Historical Buildings. A Case Study. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 364, 012007.	0.3	6
27	Modelling of Reversible Plant System Operations in a Cultural Heritage School Building for Indoor Thermal Comfort. <i>Sustainability</i> , 2018, 10, 3776.	1.6	5
28	Natural Lighting for Sustainability of Cultural Heritage Refurbishment. <i>Sustainability</i> , 2019, 11, 4842.	1.6	4
29	Determination of thermal parameters of poor conductors by transient techniques. <i>International Journal of Energy Research</i> , 1995, 19, 37-44.	2.2	3
30	Building's plant system energy sustainability. An approach for transient thermal performance analysis. <i>Energy and Buildings</i> , 2012, 49, 443-453.	3.1	2
31	An experimental methodological approach aimed to preventive conservation and sustainable adaptive use of the cultural heritage. <i>Procedia Structural Integrity</i> , 2020, 29, 25-33.	0.3	2
32	Assessment of the luminous climate inside Historical Buildings. Experimental measurements and lighting simulation of the Hall of five hundred in Florence. , 2016, , .		0