

Andrea De Lieto Vollaro

List of Publications by Citations

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36
papers

1,499
citations

23
h-index

36
g-index

36
ext. papers

1,695
ext. citations

5.4
avg, IF

4.91
L-index

#	Paper	IF	Citations
36	Urban microclimate and outdoor thermal comfort. A proper procedure to fit ENVI-met simulation outputs to experimental data. <i>Sustainable Cities and Society</i> , 2016 , 26, 318-343	10.1	171
35	Relating microclimate, human thermal comfort and health during heat waves: An analysis of heat island mitigation strategies through a case study in an urban outdoor environment. <i>Sustainable Cities and Society</i> , 2017 , 30, 79-96	10.1	151
34	Outdoor thermal comfort in the Mediterranean area. A transversal study in Rome, Italy. <i>Building and Environment</i> , 2016 , 96, 46-61	6.5	137
33	How high albedo and traditional buildings materials and vegetation affect the quality of urban microclimate. A case study. <i>Energy and Buildings</i> , 2015 , 99, 32-49	7	130
32	The reliability of technological systems with high energy efficiency in residential buildings. <i>Energy and Buildings</i> , 2014 , 68, 19-24	7	60
31	Evaluation of Different Urban Microclimate Mitigation Strategies through a PMV Analysis. <i>Sustainability</i> , 2015 , 7, 9012-9030	3.6	58
30	Energy Optimization of Road Tunnel Lighting Systems. <i>Sustainability</i> , 2015 , 7, 9664-9680	3.6	57
29	On the impact of innovative materials on outdoor thermal comfort of pedestrians in historical urban canyons. <i>Renewable Energy</i> , 2018 , 118, 825-839	8.1	54
28	Heading towards the nZEB through CHP+HP systems. A comparison between retrofit solutions able to increase the energy performance for the heating and domestic hot water production in residential buildings. <i>Energy Conversion and Management</i> , 2017 , 138, 61-76	10.6	51
27	Fluid dynamic and heat transfer parameters in an urban canyon. <i>Solar Energy</i> , 2014 , 99, 1-10	6.8	43
26	An economic perspective on the reliability of lighting systems in building with highly efficient energy: A case study. <i>Energy Conversion and Management</i> , 2014 , 84, 623-632	10.6	41
25	Method for energy optimization with reliability analysis of a trigeneration and teleheating system on urban scale: A case study. <i>Energy and Buildings</i> , 2015 , 86, 118-136	7	40
24	Underground electric cables a correct evaluation of the soil thermal resistance. <i>Applied Thermal Engineering</i> , 2015 , 78, 268-277	5.8	37
23	Energy and reliability optimization of a system that combines daylighting and artificial sources. A case study carried out in academic buildings. <i>Applied Energy</i> , 2016 , 169, 250-266	10.7	37
22	CFD modeling of the impact of solar radiation in a tridimensional urban canyon at different wind conditions. <i>Solar Energy</i> , 2014 , 102, 212-222	6.8	37
21	Thermal Perception in the Mediterranean Area: Comparing the Mediterranean Outdoor Comfort Index (MOCI) to Other Outdoor Thermal Comfort Indices. <i>Energies</i> , 2016 , 9, 550	3.1	36
20	A Case Study of Technical and Economic Comparison among Energy Production Systems in a Complex of Historic Buildings in Rome. <i>Energy Procedia</i> , 2014 , 45, 482-491	2.3	34

19	On the necessities to analyse the thermohygrometric perception in aged people. A review about indoor thermal comfort, health and energetic aspects and a perspective for future studies. <i>Sustainable Cities and Society</i> , 2018 , 41, 469-480	10.1	30
18	Implications of climate and outdoor thermal comfort on tourism: the case of Italy. <i>International Journal of Biometeorology</i> , 2017 , 61, 2229-2244	3.7	30
17	A Methodological Comparison between Energy and Environmental Performance Evaluation. <i>Sustainability</i> , 2015 , 7, 10324-10342	3.6	26
16	Plant Reliability in Hospital Facilities. <i>Energy Procedia</i> , 2014 , 45, 1195-1204	2.3	25
15	How thermal conductivity of excavation materials affects the behavior of underground power cables. <i>Applied Thermal Engineering</i> , 2016 , 100, 528-537	5.8	23
14	Methodological Approach to the Energy Analysis of Unconstrained Historical Buildings. <i>Sustainability</i> , 2015 , 7, 10428-10444	3.6	23
13	Maintenance and Energy Optimization of Lighting Systems for the Improvement of Historic Buildings: A Case Study. <i>Sustainability</i> , 2015 , 7, 10770-10788	3.6	23
12	On the Impact of Urban Micro Climate on the Energy Consumption of Buildings. <i>Energy Procedia</i> , 2015 , 82, 506-511	2.3	22
11	Numerical Study of Urban Canyon Microclimate Related to Geometrical Parameters. <i>Sustainability</i> , 2014 , 6, 7894-7905	3.6	22
10	Management Optimization of the Luminous Flux Regulation of a Lighting System in Road Tunnels. A First Approach to the Exertion of Predictive Control Systems. <i>Sustainability</i> , 2016 , 8, 1092	3.6	22
9	Urban Lighting Project for a Small Town: Comparing Citizens and Authority Benefits. <i>Sustainability</i> , 2015 , 7, 14230-14244	3.6	16
8	On the outdoor thermal perception and comfort of a Mediterranean subject across other Koppen-Geiger's climate zones. <i>Environmental Research</i> , 2018 , 167, 115-128	7.9	14
7	A model for the evaluation of heat loss from underground cables in non-uniform soil to optimize the system design. <i>Thermal Science</i> , 2015 , 19, 461-474	1.2	12
6	Case Study on Economic Return on Investments for Safety and Emergency Lighting in Road Tunnels. <i>Sustainability</i> , 2015 , 7, 9809-9822	3.6	11
5	Thermal comfort in the historical urban canyon: the effect of innovative materials. <i>Energy Procedia</i> , 2017 , 134, 151-160	2.3	9
4	Application of Absorption Systems Powered by Solar Ponds in Warm Climates for the Air Conditioning in Residential Buildings. <i>Energies</i> , 2016 , 9, 821	3.1	7
3	A Method to Evaluate the Stimulation of a Real World Field of View by Means of a Spectroradiometric Analysis. <i>Sustainability</i> , 2015 , 7, 14964-14981	3.6	5
2	Solar cooling system for buildings: Thermal analysis of solid absorbents applied in low power adsorption system. <i>Energy and Buildings</i> , 2014 , 80, 436-440	7	3

1 Experimental Analysis of Thermal Fields Surrounding Horizontal Cylindrical Geothermal Exchangers. *Energy Procedia*, **2015**, 82, 294-300

2.3 2