

Andrea De Lieto Vollaro

List of Publications by Year in descending order

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36
papers

1,960
citations

218381

26
h-index

344852

36
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36
all docs

36
docs citations

36
times ranked

1499
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	5.1	250
2	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.	5.1	244
3	Outdoor thermal comfort in the Mediterranean area. A transversal study in Rome, Italy. <i>Building and Environment</i> , 2016, 96, 46-61.	3.0	186
4	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.	3.1	159
5	On the impact of innovative materials on outdoor thermal comfort of pedestrians in historical urban canyons. <i>Renewable Energy</i> , 2018, 118, 825-839.	4.3	81
6	The reliability of technological systems with high energy efficiency in residential buildings. <i>Energy and Buildings</i> , 2014, 68, 19-24.	3.1	65
7	Evaluation of Different Urban Microclimate Mitigation Strategies through a PMV Analysis. <i>Sustainability</i> , 2015, 7, 9012-9030.	1.6	65
8	Energy Optimization of Road Tunnel Lighting Systems. <i>Sustainability</i> , 2015, 7, 9664-9680.	1.6	63
9	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.	4.4	62
10	Underground electric cables a correct evaluation of the soil thermal resistance. <i>Applied Thermal Engineering</i> , 2015, 78, 268-277.	3.0	52
11	Implications of climate and outdoor thermal comfort on tourism: the case of Italy. <i>International Journal of Biometeorology</i> , 2017, 61, 2229-2244.	1.3	52
12	Fluid dynamic and heat transfer parameters in an urban canyon. <i>Solar Energy</i> , 2014, 99, 1-10.	2.9	50
13	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.	4.4	46
14	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.	1.6	45
15	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.	5.1	44
16	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.	2.9	43
17	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.	5.1	43
18	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.	3.1	42

#	ARTICLE	IF	CITATIONS
19	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.	1.8	37
20	Maintenance and Energy Optimization of Lighting Systems for the Improvement of Historic Buildings: A Case Study. <i>Sustainability</i> , 2015, 7, 10770-10788.	1.6	32
21	On the Impact of Urban Micro Climate on the Energy Consumption of Buildings. <i>Energy Procedia</i> , 2015, 82, 506-511.	1.8	31
22	A Methodological Comparison between Energy and Environmental Performance Evaluation. <i>Sustainability</i> , 2015, 7, 10324-10342.	1.6	30
23	Methodological Approach to the Energy Analysis of Unconstrained Historical Buildings. <i>Sustainability</i> , 2015, 7, 10428-10444.	1.6	30
24	How thermal conductivity of excavation materials affects the behavior of underground power cables. <i>Applied Thermal Engineering</i> , 2016, 100, 528-537.	3.0	30
25	Numerical Study of Urban Canyon Microclimate Related to Geometrical Parameters. <i>Sustainability</i> , 2014, 6, 7894-7905.	1.6	27
26	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.	1.6	27
27	Plant Reliability in Hospital Facilities. <i>Energy Procedia</i> , 2014, 45, 1195-1204.	1.8	26
28	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.	3.7	19
29	Urban Lighting Project for a Small Town: Comparing Citizens and Authority Benefits. <i>Sustainability</i> , 2015, 7, 14230-14244.	1.6	17
30	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.	0.5	15
31	Thermal comfort in the historical urban canyon: the effect of innovative materials. <i>Energy Procedia</i> , 2017, 134, 151-160.	1.8	14
32	Case Study on Economic Return on Investments for Safety and Emergency Lighting in Road Tunnels. <i>Sustainability</i> , 2015, 7, 9809-9822.	1.6	11
33	Application of Absorption Systems Powered by Solar Ponds in Warm Climates for the Air Conditioning in Residential Buildings. <i>Energies</i> , 2016, 9, 821.	1.6	9
34	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.	1.6	8
35	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.	3.1	3
36	Experimental Analysis of Thermal Fields Surrounding Horizontal Cylindrical Geothermal Exchangers. <i>Energy Procedia</i> , 2015, 82, 294-300.	1.8	2