Andrea De Lieto Vollaro

List of Publications by Year in Descending Order

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	On the outdoor thermal perception and comfort of a Mediterranean subject across other Koppen-Geiger's climate zones. *Environmental Research*, **2018**, 167, 115-128	7.9	14
35	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. *Sustainable Cities and Society*, **2018**, 41, 469-480	10.1	30
34	On the impact of innovative materials on outdoor thermal comfort of pedestrians in historical urban canyons. *Renewable Energy*, **2018**, 118, 825-839	8.1	54
33	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. *Sustainable Cities and Society*, **2017**, 30, 79-96	10.1	151
32	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. *Energy Conversion and Management*, **2017**, 138, 61-76	10.6	51
31	Implications of climate and outdoor thermal comfort on tourism: the case of Italy. *International Journal of Biometeorology*, **2017**, 61, 2229-2244	3.7	30
30	Thermal comfort in the historical urban canyon: the effect of innovative materials. *Energy Procedia*, **2017**, 134, 151-160	2.3	9
29	Outdoor thermal comfort in the Mediterranean area. A transversal study in Rome, Italy. *Building and Environment*, **2016**, 96, 46-61	6.5	137
28	Energy and reliability optimization of a system that combines daylighting and artificial sources. A case study carried out in academic buildings. *Applied Energy*, **2016**, 169, 250-266	10.7	37
27	How thermal conductivity of excavation materials affects the behavior of underground power cables. *Applied Thermal Engineering*, **2016**, 100, 528-537	5.8	23
26	Thermal Perception in the Mediterranean Area: Comparing the Mediterranean Outdoor Comfort Index (MOCI) to Other Outdoor Thermal Comfort Indices. *Energies*, **2016**, 9, 550	3.1	36
25	Application of Absorption Systems Powered by Solar Ponds in Warm Climates for the Air Conditioning in Residential Buildings. *Energies*, **2016**, 9, 821	3.1	7
24	Management Optimization of the Luminous Flux Regulation of a Lighting System in Road Tunnels. A First Approach to the Exertion of Predictive Control Systems. *Sustainability*, **2016**, 8, 1092	3.6	22
23	Urban microclimate and outdoor thermal comfort. A proper procedure to fit ENVI-met simulation outputs to experimental data. *Sustainable Cities and Society*, **2016**, 26, 318-343	10.1	171
22	Underground electric cables a correct evaluation of the soil thermal resistance. *Applied Thermal Engineering*, **2015**, 78, 268-277	5.8	37
21	How high albedo and traditional buildings materials and vegetation affect the quality of urban microclimate. A case study. *Energy and Buildings*, **2015**, 99, 32-49	7	130
20	Method for energy optimization with reliability analysis of a trigeneration and teleheating system on urban scale: A case study. *Energy and Buildings*, **2015**, 86, 118-136	7	40

19	On the Impact of Urban Micro Climate on the Energy Consumption of Buildings. *Energy Procedia*, **2015**, 82, 506-511	2.3	22
18	Evaluation of Different Urban Microclimate Mitigation Strategies through a PMV Analysis. *Sustainability*, **2015**, 7, 9012-9030	3.6	58
17	Energy Optimization of Road Tunnel Lighting Systems. *Sustainability*, **2015**, 7, 9664-9680	3.6	57
16	A Methodological Comparison between Energy and Environmental Performance Evaluation. *Sustainability*, **2015**, 7, 10324-10342	3.6	26
15	Methodological Approach to the Energy Analysis of Unconstrained Historical Buildings. *Sustainability*, **2015**, 7, 10428-10444	3.6	23
14	Maintenance and Energy Optimization of Lighting Systems for the Improvement of Historic Buildings: A Case Study. *Sustainability*, **2015**, 7, 10770-10788	3.6	23
13	Case Study on Economic Return on Investments for Safety and Emergency Lighting in Road Tunnels. *Sustainability*, **2015**, 7, 9809-9822	3.6	11
12	A Method to Evaluate the Stimulation of a Real World Field of View by Means of a Spectroradiometric Analysis. *Sustainability*, **2015**, 7, 14964-14981	3.6	5
11	Urban Lighting Project for a Small Town: Comparing Citizens and Authority Benefits. *Sustainability*, **2015**, 7, 14230-14244	3.6	16
10	Experimental Analysis of Thermal Fields Surrounding Horizontal Cylindrical Geothermal Exchangers. *Energy Procedia*, **2015**, 82, 294-300	2.3	2
9	A model for the evaluation of heat loss from underground cables in non-uniform soil to optimize the system design. *Thermal Science*, **2015**, 19, 461-474	1.2	12
8	CFD modeling of the impact of solar radiation in a tridimensional urban canyon at different wind conditions. *Solar Energy*, **2014**, 102, 212-222	6.8	37
7	Plant Reliability in Hospital Facilities. *Energy Procedia*, **2014**, 45, 1195-1204	2.3	25
6	The reliability of technological systems with high energy efficiency in residential buildings. *Energy and Buildings*, **2014**, 68, 19-24	7	60
5	Solar cooling system for buildings: Thermal analysis of solid absorbents applied in low power adsorption system. *Energy and Buildings*, **2014**, 80, 436-440	7	3
4	An economic perspective on the reliability of lighting systems in building with highly efficient energy: A case study. *Energy Conversion and Management*, **2014**, 84, 623-632	10.6	41
3	Fluid dynamic and heat transfer parameters in an urban canyon. *Solar Energy*, **2014**, 99, 1-10	6.8	43
2	Numerical Study of Urban Canyon Microclimate Related to Geometrical Parameters. *Sustainability*, **2014**, 6, 7894-7905	3.6	22

1 A Case Study of Technical and Economic Comparison among Energy Production Systems in a Complex of Historic Buildings in Rome. *Energy Procedia*, **2014**, 45, 482-491 2.3 34