

# Ferdinando Salata

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2269851/ferdinando-salata-publications-by-citations.pdf>

**Version:** 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60  
papers

1,941  
citations

27  
h-index

43  
g-index

62  
ext. papers

2,290  
ext. citations

5.4  
avg, IF

5.48  
L-index

#	Paper	IF	Citations
60	Urban microclimate and outdoor thermal comfort. A proper procedure to fit ENVI-met simulation outputs to experimental data. <i>Sustainable Cities and Society</i> , <b>2016</b> , 26, 318-343	10.1	171
59	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> , <b>2017</b> , 30, 79-96	10.1	151
58	Outdoor thermal comfort in the Mediterranean area. A transversal study in Rome, Italy. <i>Building and Environment</i> , <b>2016</b> , 96, 46-61	6.5	137
57	How high albedo and traditional buildings materials and vegetation affect the quality of urban microclimate. A case study. <i>Energy and Buildings</i> , <b>2015</b> , 99, 32-49	7	130
56	The reliability of technological systems with high energy efficiency in residential buildings. <i>Energy and Buildings</i> , <b>2014</b> , 68, 19-24	7	60
55	Evaluation of Different Urban Microclimate Mitigation Strategies through a PMV Analysis. <i>Sustainability</i> , <b>2015</b> , 7, 9012-9030	3.6	58
54	Energy Optimization of Road Tunnel Lighting Systems. <i>Sustainability</i> , <b>2015</b> , 7, 9664-9680	3.6	57
53	On the impact of innovative materials on outdoor thermal comfort of pedestrians in historical urban canyons. <i>Renewable Energy</i> , <b>2018</b> , 118, 825-839	8.1	54
52	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> , <b>2017</b> , 138, 61-76	10.6	51
51	High albedo materials to counteract heat waves in cities: An assessment of meteorology, buildings energy needs and pedestrian thermal comfort. <i>Building and Environment</i> , <b>2019</b> , 163, 106242	6.5	50
50	Complying with the demand of standardization in outdoor thermal comfort: a first approach to the Global Outdoor Comfort Index (GOCI). <i>Building and Environment</i> , <b>2018</b> , 130, 104-119	6.5	49
49	Energy demands of buildings in the framework of climate change: An investigation across Europe. <i>Sustainable Cities and Society</i> , <b>2020</b> , 60, 102213	10.1	47
48	Multi-objective optimization of building retrofit in the Mediterranean climate by means of genetic algorithm application. <i>Energy and Buildings</i> , <b>2020</b> , 216, 109945	7	44
47	An economic perspective on the reliability of lighting systems in building with highly efficient energy: A case study. <i>Energy Conversion and Management</i> , <b>2014</b> , 84, 623-632	10.6	41
46	Method for energy optimization with reliability analysis of a trigeneration and teleheating system on urban scale: A case study. <i>Energy and Buildings</i> , <b>2015</b> , 86, 118-136	7	40
45	Multi-objective approach to the optimization of shape and envelope in building energy design. <i>Applied Energy</i> , <b>2020</b> , 280, 115984	10.7	40
44	A first approach study on the desalination of sea water using heat transformers powered by solar ponds. <i>Applied Energy</i> , <b>2014</b> , 136, 611-618	10.7	39

43	Underground electric cables a correct evaluation of the soil thermal resistance. <i>Applied Thermal Engineering</i> , <b>2015</b> , 78, 268-277	5.8	37
42	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> , <b>2016</b> , 169, 250-266	10.7	37
41	Influence of Input Climatic Data on Simulations of Annual Energy Needs of a Building: EnergyPlus and WRF Modeling for a Case Study in Rome (Italy). <i>Energies</i> , <b>2018</b> , 11, 2835	3.1	37
40	Thermal Perception in the Mediterranean Area: Comparing the Mediterranean Outdoor Comfort Index (MOCI) to Other Outdoor Thermal Comfort Indices. <i>Energies</i> , <b>2016</b> , 9, 550	3.1	36
39	A Case Study of Technical and Economic Comparison among Energy Production Systems in a Complex of Historic Buildings in Rome. <i>Energy Procedia</i> , <b>2014</b> , 45, 482-491	2.3	34
38	Effects of local conditions on the multi-variable and multi-objective energy optimization of residential buildings using genetic algorithms. <i>Applied Energy</i> , <b>2020</b> , 260, 114289	10.7	34
37	Energy retrofitting of residential buildings: How to couple Combined Heat and Power (CHP) and Heat Pump (HP) for thermal management and off-design operation. <i>Energy and Buildings</i> , <b>2017</b> , 151, 293-305	7	33
36	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> , <b>2018</b> , 41, 469-480	10.1	30
35	Implications of climate and outdoor thermal comfort on tourism: the case of Italy. <i>International Journal of Biometeorology</i> , <b>2017</b> , 61, 2229-2244	3.7	30
34	Outdoor thermal comfort conditions during summer in a cold semi-arid climate. A transversal field survey in Central Anatolia (Turkey). <i>Building and Environment</i> , <b>2019</b> , 148, 212-224	6.5	28
33	A First Approach to Natural Thermoventilation of Residential Buildings through Ventilation Chimneys Supplied by Solar Ponds. <i>Sustainability</i> , <b>2015</b> , 7, 9649-9663	3.6	26
32	A Methodological Comparison between Energy and Environmental Performance Evaluation. <i>Sustainability</i> , <b>2015</b> , 7, 10324-10342	3.6	26
31	Plant Reliability in Hospital Facilities. <i>Energy Procedia</i> , <b>2014</b> , 45, 1195-1204	2.3	25
30	Dressed for the season: Clothing and outdoor thermal comfort in the Mediterranean population. <i>Building and Environment</i> , <b>2018</b> , 146, 50-63	6.5	25
29	Influence of lighting colour temperature on indoor thermal perception: A strategy to save energy from the HVAC installations. <i>Energy and Buildings</i> , <b>2019</b> , 185, 112-122	7	24
28	How thermal conductivity of excavation materials affects the behavior of underground power cables. <i>Applied Thermal Engineering</i> , <b>2016</b> , 100, 528-537	5.8	23
27	Methodological Approach to the Energy Analysis of Unconstrained Historical Buildings. <i>Sustainability</i> , <b>2015</b> , 7, 10428-10444	3.6	23
26	Maintenance and Energy Optimization of Lighting Systems for the Improvement of Historic Buildings: A Case Study. <i>Sustainability</i> , <b>2015</b> , 7, 10770-10788	3.6	23

25	Numerical Study of a Vertical Channel Heated from Below to Enhance Natural Ventilation in a Residential Building. <i>International Journal of Ventilation</i> , <b>2013</b> , 12, 41-50	1.1	23
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. <i>Sustainability</i> , <b>2016</b> , 8, 1092	3.6	22
23	Urban Lighting Project for a Small Town: Comparing Citizens and Authority Benefits. <i>Sustainability</i> , <b>2015</b> , 7, 14230-14244	3.6	16
22	On the outdoor thermal perception and comfort of a Mediterranean subject across other Koppen-Geiger's climate zones. <i>Environmental Research</i> , <b>2018</b> , 167, 115-128	7.9	14
21	A model for the evaluation of heat loss from underground cables in non-uniform soil to optimize the system design. <i>Thermal Science</i> , <b>2015</b> , 19, 461-474	1.2	12
20	Case Study on Economic Return on Investments for Safety and Emergency Lighting in Road Tunnels. <i>Sustainability</i> , <b>2015</b> , 7, 9809-9822	3.6	11
19	Experimental study of a semi-passive ventilation grille with a feedback control system. <i>Review of Scientific Instruments</i> , <b>2011</b> , 82, 085107	1.7	11
18	Resilience of a Building to Future Climate Conditions in Three European Cities. <i>Energies</i> , <b>2019</b> , 12, 4506	3.1	10
17	Outdoor thermal perception and comfort conditions in the Köppen-Geiger climate category BSk. One-year field survey and measurement campaign in Konya, Turkey. <i>Science of the Total Environment</i> , <b>2020</b> , 738, 140295	10.2	9
16	The Perspective of Total Lighting as a Key Factor to Increase the Sustainability of Strategic Activities. <i>Sustainability</i> , <b>2020</b> , 12, 2751	3.6	9
15	Thermal comfort in the historical urban canyon: the effect of innovative materials. <i>Energy Procedia</i> , <b>2017</b> , 134, 151-160	2.3	9
14	Decrease of the Maximum Speed in Highway Tunnels as a Measure to Foster Energy Savings and Sustainability. <i>Energies</i> , <b>2019</b> , 12, 685	3.1	7
13	Application of Absorption Systems Powered by Solar Ponds in Warm Climates for the Air Conditioning in Residential Buildings. <i>Energies</i> , <b>2016</b> , 9, 821	3.1	7
12	A Method to Evaluate the Stimulation of a Real World Field of View by Means of a Spectroradiometric Analysis. <i>Sustainability</i> , <b>2015</b> , 7, 14964-14981	3.6	5
11	The Guatemalan Construction Industry: Approach of Knowledge Regarding Work Risks Prevention. <i>International Journal of Environmental Research and Public Health</i> , <b>2018</b> , 15,	4.6	5
10	FINANCIAL AND ENVIRONMENTAL IMPACT OF COMBINED ACTIONS IN ROAD TUNNELS FOR THE DECREASE OF ENERGY AND RAW MATERIAL CONSUMPTION <b>2018</b> ,		3
9	Indoor Lighting Customization Based on Effective Reflectance Coefficients: A Methodology to Optimize Visual Performance and Decrease Consumption in Educative Workplaces. <i>Sustainability</i> , <b>2021</b> , 13, 119	3.6	3
8	Estimating building cooling energy demand through the Cooling Degree Hours in a changing climate: a modeling study. <i>Sustainable Cities and Society</i> , <b>2021</b> , 76, 103518	10.1	3

7	On the association between high outdoor thermo-hygrometric comfort index and severe ground-level ozone: A first investigation. <i>Environmental Research</i> , <b>2021</b> , 195, 110306	7.9	3
6	Experimental Analysis of Thermal Fields Surrounding Horizontal Cylindrical Geothermal Exchangers. <i>Energy Procedia</i> , <b>2015</b> , 82, 294-300	2.3	2
5	Parameters Affecting the Efficiency of a Heat Transformer with a Particular Focus on the Heat Solution. <i>Energy Procedia</i> , <b>2016</b> , 101, 1183-1190	2.3	2
4	The degradation of ammonia in absorption thermal machines. <i>Energy Procedia</i> , <b>2017</b> , 126, 321-328	2.3	1
3	Fire Temperature Based on the Time and Resistance of Buildings Predicting the Adoption of Fire Safety Measures. <i>Fire</i> , <b>2019</b> , 2, 19	2.4	1
2	THE GUATEMALAN CONSTRUCTION CHARACTERIZATION OF THE PERCEIVED RISK BY MANAGERS OF SUFFERING WORK ACCIDENTS. <i>Journal of Civil Engineering and Management</i> , <b>2020</b> , 26, 705-716	3	1
1	A first approach to the optimization of landing and take-off operations through intelligent algorithms for compliance with the acoustic standards in multi-runway airports. <i>Applied Acoustics</i> , <b>2021</b> , 181, 108138	3.1	