

# Ferdinando Salata

## List of Publications by Year in Descending Order

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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 | 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         |
| 59 | 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         |
| 58 | 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         |
| 57 | 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  |           |
| 56 | 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         |
| 55 | 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         |
| 54 | 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        |
| 53 | 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         |
| 52 | 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        |
| 51 | 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        |
| 50 | 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        |
| 49 | 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         |
| 48 | 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         |
| 47 | 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        |
| 46 | Resilience of a Building to Future Climate Conditions in Three European Cities. <i>Energies</i> , <b>2019</b> , 12, 4506  | 3.1  | 10        |
| 45 | 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        |
| 44 | 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        |

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| 43 | 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  |
| 42 | 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  |
| 41 | On the necessities to analyse the thermohygro-metric 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  |
| 40 | FINANCIAL AND ENVIRONMENTAL IMPACT OF COMBINED ACTIONS IN ROAD TUNNELS FOR THE DECREASE OF ENERGY AND RAW MATERIAL CONSUMPTION <b>2018</b> ,  |      | 3   |
| 39 | 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  |
| 38 | 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  |
| 37 | 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  |
| 36 | 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   |
| 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> , <b>2017</b> , 30, 79-96                               | 10.1 | 151 |
| 34 | 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  |
| 33 | The degradation of ammonia in absorption thermal machines. <i>Energy Procedia</i> , <b>2017</b> , 126, 321-328  | 2.3  | 1   |
| 32 | 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  |
| 31 | 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  |
| 30 | 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   |
| 29 | 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 |
| 28 | 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  |
| 27 | 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  |
| 26 | 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  |

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| 25 | 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   |
| 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 | 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   |
| 22 | 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 |
| 21 | 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  |
| 20 | 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 |
| 19 | 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  |
| 18 | Evaluation of Different Urban Microclimate Mitigation Strategies through a PMV Analysis. <i>Sustainability</i> , <b>2015</b> , 7, 9012-9030   | 3.6  | 58  |
| 17 | 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  |
| 16 | Energy Optimization of Road Tunnel Lighting Systems. <i>Sustainability</i> , <b>2015</b> , 7, 9664-9680   | 3.6  | 57  |
| 15 | A Methodological Comparison between Energy and Environmental Performance Evaluation. <i>Sustainability</i> , <b>2015</b> , 7, 10324-10342   | 3.6  | 26  |
| 14 | Methodological Approach to the Energy Analysis of Unconstrained Historical Buildings. <i>Sustainability</i> , <b>2015</b> , 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> , <b>2015</b> , 7, 10770-10788                                       | 3.6  | 23  |
| 12 | 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  |
| 11 | 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   |
| 10 | Urban Lighting Project for a Small Town: Comparing Citizens and Authority Benefits. <i>Sustainability</i> , <b>2015</b> , 7, 14230-14244  | 3.6  | 16  |
| 9  | Experimental Analysis of Thermal Fields Surrounding Horizontal Cylindrical Geothermal Exchangers. <i>Energy Procedia</i> , <b>2015</b> , 82, 294-300  | 2.3  | 2   |
| 8  | 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  |

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| 7 | Plant Reliability in Hospital Facilities. <i>Energy Procedia</i> , <b>2014</b> , 45, 1195-1204   | 2.3  | 25 |
| 6 | 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 |
| 5 | 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 |
| 4 | 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 |
| 3 | 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 |
| 2 | 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 |
| 1 | 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 |