

# Gianluca Serale

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8665269/publications.pdf>

Version: 2024-02-01

20  
papers

726  
citations

759055

12  
h-index

839398

18  
g-index

21  
all docs

21  
docs citations

21  
times ranked

749  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Model Predictive Control (MPC) for Enhancing Building and HVAC System Energy Efficiency: Problem Formulation, Applications and Opportunities. <i>Energies</i> , 2018, 11, 631.   | 1.6 | 341       |
| 2  | Numerical model and simulation of a solar thermal collector with slurry Phase Change Material (PCM) as the heat transfer fluid. <i>Solar Energy</i> , 2016, 134, 429-444.  | 2.9 | 51        |
| 3  | Characterization and Energy Performance of a Slurry PCM-based Solar Thermal Collector: A Numerical Analysis. <i>Energy Procedia</i> , 2014, 48, 223-232.   | 1.8 | 42        |
| 4  | Design of a low-temperature solar heating system based on a slurry Phase Change Material (PCS). <i>Energy and Buildings</i> , 2015, 106, 44-58.  | 3.1 | 41        |
| 5  | Formulation of a model predictive control algorithm to enhance the performance of a latent heat solar thermal system. <i>Energy Conversion and Management</i> , 2018, 173, 438-449.  | 4.4 | 40        |
| 6  | Development and evaluation of a comfort-oriented control strategy for thermal management of mixed-mode ventilated buildings. <i>Energy and Buildings</i> , 2019, 202, 109347.  | 3.1 | 32        |
| 7  | A novel methodology for energy performance benchmarking of buildings by means of Linear Mixed Effect Model: The case of space and DHW heating of out-patient Healthcare Centres. <i>Applied Energy</i> , 2016, 171, 592-607. | 5.1 | 31        |
| 8  | Thermal Metrics for Data Centers: A Critical Review. <i>Energy Procedia</i> , 2014, 62, 391-400.   | 1.8 | 29        |
| 9  | Potentialities of a Low Temperature Solar Heating System Based on Slurry Phase Change Materials (PCS). <i>Energy Procedia</i> , 2014, 62, 355-363.   | 1.8 | 20        |
| 10 | Review on Performance Metrics for Energy Efficiency in Data Center: The Role of Thermal Management. <i>Lecture Notes in Computer Science</i> , 2015, , 135-151.  | 1.0 | 19        |
| 11 | Thermal Energy Storage with Super Insulating Materials: A Parametrical Analysis. <i>Energy Procedia</i> , 2015, 78, 441-446.   | 1.8 | 18        |
| 12 | Discovering Knowledge from a Residential Building Stock through Data Mining Analysis for Engineering Sustainability. <i>Energy Procedia</i> , 2015, 83, 370-379.   | 1.8 | 15        |
| 13 | Enthalpy-temperature Evaluation of Slurry Phase Change Materials with T-history Method. <i>Energy Procedia</i> , 2015, 78, 1877-1882.  | 1.8 | 11        |
| 14 | Data mining for energy analysis of a large data set of flats. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2017, 170, 3-18.  | 0.4 | 10        |
| 15 | Ethical issues of monitoring sensor networks for energy efficiency in smart buildings: a case study. <i>Energy Procedia</i> , 2017, 134, 337-345.  | 1.8 | 7         |
| 16 | A Supervisory Control Strategy for Improving Energy Efficiency of Artificial Lighting Systems in Greenhouses. <i>Energies</i> , 2021, 14, 202.   | 1.6 | 7         |
| 17 | Development of algorithms for building energy efficiency. , 2020, , 267-290.   |     | 3         |
| 18 | Experimental Measurement and Numerical Modeling of the Creaming of mPCM Slurry. <i>Energy Procedia</i> , 2015, 78, 2010-2015.  | 1.8 | 2         |

| #  | ARTICLE   | IF | CITATIONS |
|----|---|----|-----------|
| 19 | Numerical Model for Solar Thermal Collectors and Thermal Energy Storages Based on Phase Change Slurry. , 2017, , .                          |    | 1         |
| 20 | &lt;i>&gt;Dynamic thermal modelling of a large plastic multi-span greenhouse: calibrated simulation and energy retrofit&lt;/i>. , 2018, , . |    | 0         |