

# Enrica Santolini

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4068012/publications.pdf>

Version: 2024-02-01

13  
papers

199  
citations

1162889

8  
h-index

1372474

10  
g-index

13  
all docs

13  
docs citations

13  
times ranked

132  
citing authors

#	ARTICLE	IF	CITATIONS
1	A computer vision approach based on deep learning for the detection of dairy cows in free stall barn. Computers and Electronics in Agriculture, 2021, 182, 106030.	3.7	56
2	Numerical study of wind-driven natural ventilation in a greenhouse with screens. Computers and Electronics in Agriculture, 2018, 149, 41-53.	3.7	43
3	Turning Agricultural Wastes into Biomaterials: Assessing the Sustainability of Scenarios of Circular Valorization of Corn Cob in a Life-Cycle Perspective. Applied Sciences (Switzerland), 2021, 11, 6281.	1.3	18
4	Analysis of the effects of shading screens on the microclimate of greenhouses and glass facade buildings. Building and Environment, 2022, 211, 108691.	3.0	17
5	Novel methodologies for the characterization of airflow properties of shading screens by means of wind-tunnel experiments and CFD numerical modeling. Computers and Electronics in Agriculture, 2019, 163, 104800.	3.7	12
6	Behavior and Welfare of Undocked Heavy Pigs Raised in Buildings with Different Ventilation Systems. Animals, 2021, 11, 2338.	1.0	10
7	A Smart Monitoring System for a Future Smarter Dairy Farming. , 2020, , .		10
8	Numerical simulations for the optimisation of ventilation system designed for wine cellars. Journal of Agricultural Engineering, 2019, 50, 180-190.	0.7	8
9	Development of a low-cost movable hot box for a preliminary definition of the thermal conductance of building envelopes. Building and Environment, 2020, 180, 107034.	3.0	8
10	Assessment of geometrical and seasonal effects on the natural ventilation of a pig barn using CFD simulations. Computers and Electronics in Agriculture, 2022, 193, 106652.	3.7	7
11	Calibration and comparison of different CFD approaches for airflow analysis in a glass greenhouse. Journal of Agricultural Engineering, 2017, 48, 49-52.	0.7	5
12	A Smart Monitoring System for Self-sufficient Integrated Multi-Trophic AquaPonic. , 2020, , .		4
13	Methodology for sensor calibration in agro-industrial facilities. , 2021, , .		1