

# Marco Bovo

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

387  
citations

759233  
12  
h-index

839539  
18  
g-index

33  
all docs

33  
docs citations

33  
times ranked

287  
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.	7.7	56
2	Experimental and numerical evaluation of fiber-matrix interface behaviour of different FRCM systems. Composites Part B: Engineering, 2019, 161, 411-426.	12.0	45
3	Application of basket geothermal heat exchangers for sustainable greenhouse cultivation. Renewable and Sustainable Energy Reviews, 2020, 129, 109928.	16.4	32
4	Random Forest Modelling of Milk Yield of Dairy Cows under Heat Stress Conditions. Animals, 2021, 11, 1305.	2.3	22
5	Seismic safety of valuable non-structural elements in RC buildings: Floor Response Spectrum approaches. Engineering Structures, 2020, 205, 110081.	5.3	20
6	A Comparison of Energy and Thermal Performance of Rooftop Greenhouses and Green Roofs in Mediterranean Climate: A Hygrothermal Assessment in WUFI. Energies, 2020, 13, 2030.	3.1	20
7	Evaluation of the variability contribution due to epistemic uncertainty on constitutive models in the definition of fragility curves of RC frames. Engineering Structures, 2019, 188, 700-716.	5.3	18
8	Evaluation of force fluctuations induced by vertical seismic component on reinforced concrete precast structures. Engineering Structures, 2019, 178, 70-87.	5.3	18
9	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.	2.5	18
10	Analysis of the effects of shading screens on the microclimate of greenhouses and glass facade buildings. Building and Environment, 2022, 211, 108691.	6.9	17
11	Numerical Simulation of Seismic-Induced Failure of a Precast Structure during the Emilia Earthquake. Journal of Performance of Constructed Facilities, 2018, 32, .	2.0	14
12	Application of ground heat exchangers in cow barns to enhance milk cooling and water heating and storage. Energy and Buildings, 2020, 224, 110213.	6.7	14
13	The dual influence of the envelope on the thermal performance of conditioned and unconditioned buildings. Sustainable Cities and Society, 2020, 61, 102298.	10.4	11
14	Behavior and Welfare of Undocked Heavy Pigs Raised in Buildings with Different Ventilation Systems. Animals, 2021, 11, 2338.	2.3	10
15	A Smart Monitoring System for a Future Smarter Dairy Farming. , 2020, , .		10
16	Multidimensional Measurement of the Level of Consistency of Farm Buildings with Rural Heritage: A Methodology Tested on an Italian Case Study. Sustainability, 2019, 11, 4242.	3.2	8
17	Collapse and damage to vernacular buildings induced by 2012 Emilia earthquakes. Bulletin of Earthquake Engineering, 2020, 18, 1049-1080.	4.1	8
18	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.	7.7	7

#	ARTICLE	IF	CITATIONS
19	A method for the validation of measurements collected by different monitoring systems applied to aquaculture processing plants. Biosystems Engineering, 2022, 223, 30-41.	4.3	6
20	Infill Modelling Influence on Dynamic Identification and Model Updating of Reinforced Concrete Framed Buildings. Advances in Civil Engineering, 2020, 2020, 1-16.	0.7	5
21	PRESSAFE-disp: a method for the fast in-plane seismic assessment of existing precast RC buildings after the Emilia earthquake of May 2012. Bulletin of Earthquake Engineering, 2022, 20, 2751-2794.	4.1	5
22	Definition of seismic performances and fragility curves of unanchored cylindrical steel legged tanks used in wine making and storage. Bulletin of Earthquake Engineering, 2020, 18, 3711-3745.	4.1	4
23	Fragility Curves of Existing RC Buildings Accounting for Bidirectional Ground Motion. Buildings, 2022, 12, 872.	3.1	4
24	Application of Machine Learning Models for Fast and Accurate Predictions of Building Energy Need. Energies, 2022, 15, 1266.	3.1	3
25	Structural Characterization of an Historical Building by Means of Experimental Tests on Full-Scale Elements. Advances in Civil Engineering, 2017, 2017, 1-15.	0.7	2
26	An Alternative Approach for FRCM Matrix Tensile Strength Evaluation. Key Engineering Materials, 0, 817, 365-370.	0.4	2
27	Fast Seismic Assessment of Existing Precast Structures by Means of Fragility Curves: The PRESSAFE Methodology. Journal of Earthquake Engineering, 0, , 1-32.	2.5	2
28	Application of bidirectional ground motion on existing RC building for seismic loss analysis. AIP Conference Proceedings, 2020, , .	0.4	2
29	Microventilation system improves the ageing conditions in existent wine cellars. Australian Journal of Grape and Wine Research, 2020, 26, 417-426.	2.1	1
30	Seismic Performance Assessment of a Multistorey Building Designed with an Alternative Capacity Design Approach. Advances in Civil Engineering, 2021, 2021, 1-18.	0.7	1
31	Methodology for sensor calibration in agro-industrial facilities. , 2021, , .		1
32	Numerical Interpretation of Structural Behavior of Stone Arches of Historical Storehouses Building. RILEM Bookseries, 2019, , 1519-1527.	0.4	0