

# Pablo Martinez

## 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.

23  
papers

235  
citations

8  
h-index

14  
g-index

28  
ext. papers

402  
ext. citations

4.2  
avg, IF

4.31  
L-index

#	Paper	IF	Citations
23	A cyber-physical system approach to zero-defect manufacturing in light-gauge steel frame assemblies. <i>Procedia Computer Science</i> , <b>2022</b> , 200, 924-933	1.6	1
22	The digitization of agricultural industry: A systematic literature review on agriculture 4.0. <i>Smart Agricultural Technology</i> , <b>2022</b> , 2, 100042		8
21	Vision-Based Damage Localization Method for an Autonomous Robotic Laser Cladding Process. <i>Procedia CIRP</i> , <b>2021</b> , 104, 827-832	1.8	0
20	A vision-based approach for automatic progress tracking of floor paneling in offsite construction facilities. <i>Automation in Construction</i> , <b>2021</b> , 125, 103620	9.6	8
19	Quantifying the Impact of Inspection Processes on Production Lines through Stochastic Discrete-Event Simulation Modeling. <i>Modelling</i> , <b>2021</b> , 2, 406-424	2.5	2
18	An ontology model to support the automated design of aquaponic grow beds. <i>Procedia CIRP</i> , <b>2021</b> , 100, 55-60	1.8	2
17	Design and simulation of an automated robotic machining cell for cross-laminated timber panels. <i>Procedia CIRP</i> , <b>2021</b> , 100, 175-180	1.8	0
16	Simulation-Driven Design of Wood Framing Support Systems for Off-Site Construction Machinery. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2020</b> , 146, 04020075	4.2	5
15	Automated verification of 3D manufacturability for steel frame assemblies. <i>Automation in Construction</i> , <b>2020</b> , 118, 103287	9.6	4
14	Intelligent vision-based online inspection system of screw-fastening operations in light-gauge steel frame manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2020</b> , 109, 645-657	3.2	10
13	BIM-based decision support system for automated manufacturability check of wood frame assemblies. <i>Automation in Construction</i> , <b>2020</b> , 111, 103065	9.6	15
12	Comparative Study of Data Mining Models for Prediction of Bridge Future Conditions. <i>Journal of Performance of Constructed Facilities</i> , <b>2020</b> , 34, 04019108	2	11
11	Real-time growth rate and fresh weight estimation for little gem romaine lettuce in aquaponic grow beds. <i>Computers and Electronics in Agriculture</i> , <b>2020</b> , 179, 105827	6.5	9
10	Online vision-based inspection system for thermoplastic hot plate welding in window frame manufacturing. <i>Procedia CIRP</i> , <b>2020</b> , 93, 1316-1321	1.8	3
9	A science mapping study on learning factories research. <i>Procedia Manufacturing</i> , <b>2020</b> , 45, 84-89	1.5	1
8	Towards automated aquaponics: A review on monitoring, IoT, and smart systems. <i>Journal of Cleaner Production</i> , <b>2020</b> , 263, 121571	10.3	38
7	Implementation and optimization of the cascade classifier algorithm for UAV detection and tracking. <i>Journal of Unmanned Vehicle Systems</i> , <b>2019</b> , 7, 296-311	2.7	5

6	A scientometric analysis and critical review of computer vision applications for construction. <i>Automation in Construction</i> , <b>2019</b> , 107, 102947	9.6	51
5	Real-time visual detection and correction of automatic screw operations in dimpled light-gauge steel framing with pre-drilled pilot holes. <i>Procedia Manufacturing</i> , <b>2019</b> , 34, 798-803	1.5	8
4	Ontology-Based Knowledge Modeling for Frame Assemblies Manufacturing <b>2019</b> ,		7
3	A vision-based system for pre-inspection of steel frame manufacturing. <i>Automation in Construction</i> , <b>2019</b> , 97, 151-163	9.6	40
2	Vision-based automated waste audits: a use case from the window manufacturing industry. <i>International Journal of Advanced Manufacturing Technology</i> ,1	3.2	1
1	Automatic Selection Tool of Quality Control Specifications for Off-site Construction Manufacturing Products: A BIM-based Ontology Model Approach. <i>Modular and Offsite Construction (MOC) Summit Proceedings</i> ,141-148		5