

Valentina Zambrano

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,873
citations

687220

13
h-index

839398

18
g-index

23
all docs

23
docs citations

23
times ranked

4827
citing authors

#	ARTICLE	IF	CITATIONS
1	Industrial digitalization in the industry 4.0 era: Classification, reuse and authoring of digital models on Digital Twin platforms. <i>Array</i> , 2022, 14, 100176.	2.5	14
2	A Practical Approach for Uncertainty Management in Rubber Manufacturing Processes Using Physics-Informed Real-Time Models. <i>Polymers</i> , 2022, 14, 2049.	2.0	1
3	The novel Mechanical Ventilator Milano for the COVID-19 pandemic. <i>Physics of Fluids</i> , 2021, 33, 037122.	1.6	29
4	A Digital Twin for Friction Prediction in Dynamic Rubber Applications with Surface Textures. <i>Lubricants</i> , 2021, 9, 57.	1.2	12
5	TWINKLE: A digital-twin-building kernel for real-time computer-aided engineering. <i>SoftwareX</i> , 2020, 11, 100419.	1.2	9
6	Reduced order models for uncertainty management and zero-defect control in seal manufacturing. , 2019, , .		1
7	Virtual Sensor Development Based on Reduced Order Models of CFD Data. , 2019, , .		2
8	A quantitative comparison of the performance of three deformable registration algorithms in radiotherapy. <i>Zeitschrift Fur Medizinische Physik</i> , 2013, 23, 279-290.	0.6	24
9	Performance validation of deformable image registration in the pelvic region. <i>Journal of Radiation Research</i> , 2013, 54, i120-i128.	0.8	26
10	134 A REGISTRATION ALGORITHM FOR DOSE CORRECTION IN RADIATION THERAPY -VALIDATION OF DEFORMABLE REGISTRATION USING PHANTOMS.. <i>Radiotherapy and Oncology</i> , 2012, 102, S59-S60.	0.3	0
11	PO-0865 A PHANTOM STUDY FOR THE VALIDATION OF AN IN-HOUSE DEFORMABLE REGISTRATION ALGORITHM FOR DOSE ACCUMULATION. <i>Radiotherapy and Oncology</i> , 2012, 103, S338-S339.	0.3	1
12	Measurement of inclusive jet and dijet cross sections in $\sqrt{s} = 7$ TeV proton-proton collisions at the ATLAS detector. <i>European Physical Journal C</i> , 2011, 71, 1.	1.4	114
13	Studies of the performance of the ATLAS detector using cosmic-ray muons. <i>European Physical Journal C</i> , 2011, 71, 1.	1.4	17
14	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. <i>European Physical Journal C</i> , 2010, 70, 723-753.	1.4	61
15	The ATLAS Inner Detector commissioning and calibration. <i>European Physical Journal C</i> , 2010, 70, 787-821.	1.4	95
16	Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons. <i>European Physical Journal C</i> , 2010, 70, 755-785.	1.4	51
17	Commissioning of the ATLAS Muon Spectrometer with cosmic rays. <i>European Physical Journal C</i> , 2010, 70, 875-916.	1.4	23
18	The ATLAS Simulation Infrastructure. <i>European Physical Journal C</i> , 2010, 70, 823-874.	1.4	1,187

#	ARTICLE	IF	CITATIONS
19	Readiness of the ATLAS Tile Calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 1193-1236.	1.4	121
20	Performance of the ATLAS detector using first collision data. Journal of High Energy Physics, 2010, 2010, 1.	1.6	18
21	Measurement of the $W \rightarrow e \nu_e$ and $Z \rightarrow e^+ e^-$ production cross sections in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2010, 2010, 1.	1.6	64
22	Demoulding process assessment of elastomers in micro-textured moulds. Open Research Europe, 0, 1, 120.	2.0	0
23	Demoulding process assessment of elastomers in micro-textured moulds. Open Research Europe, 0, 1, 120.	2.0	3