Christian Mata

List of Publications by Year
in descending order

19 papers	136 citations	1478505 6 h-index	1281871 11 g-index
22 all docs	22 docs citations	22 times ranked	144 citing authors

#	Article	IF	Citations
1	A priori validation of CFD modelling of hydrocarbon pool fires. Journal of Loss Prevention in the Process Industries, 2018, 56, 18-31.	3.3	24
2	An integrated approach for tactical monitoring and data-driven spread forecasting of wildfires. Fire Safety Journal, 2017, 91, 835-844.	3.1	23
3	Toward the New Generation of Surgical Meshes with 4D Response: Soft, Dynamic, and Adaptable. Advanced Functional Materials, 2020, 30, 2004145.	14.9	22
4	Thermal Infrared Video Stabilization for Aerial Monitoring of Active Wildfires. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 2817-2832.	4.9	11
5	Analysis of crater formation in buried NG pipelines: A survey based on past accidents and evaluation of domino effect. Journal of Loss Prevention in the Process Industries, 2019, 58, 124-140.	3.3	9
6	Thermal effects of a sonic jet fire impingement on a pipe. Journal of Loss Prevention in the Process Industries, 2021, 71, 104449.	3.3	8
7	MammoApplet: An interactive Java applet tool for manual annotation in medical imaging. , 2012, , .		7
8	ProstateAnalyzer: web-based medical application for the management of prostate cancer using multiparametric MR imaging. Informatics for Health and Social Care, 2015, 41, 1-21.	2.6	6
9	Image Similarity Metrics Suitable for Infrared Video Stabilization during Active Wildfire Monitoring: A Comparative Analysis. Remote Sensing, 2020, 12, 540.	4.0	6
10	A Prostate MRI Segmentation Tool Based on Active Contour Models Using a Gradient Vector Flow. Applied Sciences (Switzerland), 2020, 10, 6163.	2.5	5
11	MedicalSeg: A Medical GUI Application for Image Segmentation Management. Algorithms, 2022, 15, 200.	2.1	5
12	On the Use of XML in Medical Imaging Web-Based Applications. Irbm, 2017, 38, 3-12.	5.6	3
13	Experimental analysis of real-scale burning tests of artificial fuel packs at the Wildland-Urban Interface. Safety Science, 2022, 146, 105568.	4.9	3
14	Usefulness of Collaborative Work in the Evaluation of Prostate Cancer from MRI. Clinics and Practice, 2022, 12, 350-362.	1.4	2
15	ESMRMB 2012, 29th Annual Scientific Meeting, Lisbon, Portugal, 4-6 October: EPOSTM Poster / Paper Poster / Clinical Review Poster / Software Exhibits. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2012, 25, 339-628.	2.0	1
16	Comparing Machine Learning Based Segmentation Models on Jet Fire Radiation Zones. Lecture Notes in Computer Science, 2021, , 161-172.	1.3	1
17	Performance analysis of a self-protection system for vehicles in case of WUI fire entrapment. Fire and Materials, 2020, , .	2.0	0
18	GIS-based integration of spatial and remote sensing data for wildfire monitoring. , 2018, , .		0

#	Article	IF	Citations
19	Management of an infrared imaging system for wildfire monitoring. , 0, , 1379-1383.		0