

# MarÃ-a JosÃ© JimÃ©nez Rodriguez

## List of Publications by Year in descending order

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23  
papers

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citations

1307594

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g-index

25  
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docs citations

25  
times ranked

137  
citing authors

#	ARTICLE	IF	CITATIONS
1	On Topological Analysis of Cells Organization in Biological Images. Lecture Notes in Computer Science, 2021, , 58-63.	1.3	0
2	Stable Topological Summaries for Analyzing the Organization of Cells in a Packed Tissue. Mathematics, 2021, 9, 1723.	2.2	3
3	Euler Well-Composedness. Lecture Notes in Computer Science, 2020, , 3-19.	1.3	2
4	Weakly well-composed cell complexes over nD pictures. Information Sciences, 2019, 499, 62-83.	6.9	12
5	One More Step Towards Well-Composedness of Cell Complexes over nD Pictures. Lecture Notes in Computer Science, 2019, , 101-114.	1.3	3
6	Topological tracking of connected components in image sequences. Journal of Computer and System Sciences, 2018, 95, 134-142.	1.2	3
7	Efficiently Storing Well-Composed Polyhedral Complexes Computed Over 3D Binary Images. Journal of Mathematical Imaging and Vision, 2017, 59, 106-122.	1.3	13
8	A new topological entropy-based approach for measuring similarities among piecewise linear functions. Signal Processing, 2017, 134, 130-138.	3.7	20
9	Designing a Topological Algorithm for 3D Activity Recognition. Lecture Notes in Computer Science, 2016, , 193-203.	1.3	1
10	Encoding Specific 3D Polyhedral Complexes Using 3D Binary Images. Lecture Notes in Computer Science, 2016, , 268-281.	1.3	4
11	3D well-composed polyhedral complexes. Discrete Applied Mathematics, 2015, 183, 59-77.	0.9	24
12	Editorial of "Advances in Discrete Geometry for Computer Imagery". Computer Vision and Image Understanding, 2015, 138, I.	4.7	0
13	An entropy-based persistence barcode. Pattern Recognition, 2015, 48, 391-401.	8.1	56
14	Spatiotemporal Barcodes for Image Sequence Analysis. Lecture Notes in Computer Science, 2015, , 61-70.	1.3	2
15	Topological evaluation of volume reconstructions by voxel carving. Computer Vision and Image Understanding, 2014, 121, 27-35.	4.7	6
16	Towards Minimal Barcodes. Lecture Notes in Computer Science, 2013, , 184-193.	1.3	0
17	Persistent Homology for 3D Reconstruction Evaluation. Lecture Notes in Computer Science, 2012, , 139-147.	1.3	2
18	Cubical cohomology ring of 3D photographs. International Journal of Imaging Systems and Technology, 2011, 21, 76-85.	4.1	10

#	ARTICLE	IF	CITATIONS
19	Well-Composed Cell Complexes. Lecture Notes in Computer Science, 2011, , 153-162.	1.3	7
20	Chain homotopies for object topological representations. Discrete Applied Mathematics, 2009, 157, 490-499.	0.9	23
21	A tool for integer homology computation: $\hat{\mathbb{H}}$ -AT-model. Image and Vision Computing, 2009, 27, 837-845.	4.5	7
22	Rectifications of $A_\infty$ -Algebras. Communications in Algebra, 2007, 35, 2731-2743.	0.6	3
23	Strong Euler well-composedness. Journal of Combinatorial Optimization, 0, , 1.	1.3	1