

# MarÃ-a JosÃ© JimÃ©nez Rodriguez

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1108497/publications.pdf>

Version: 2024-02-01

23  
papers

209  
citations

1307594

7  
h-index

1058476

14  
g-index

25  
all docs

25  
docs citations

25  
times ranked

137  
citing authors

#	ARTICLE	IF	CITATIONS
1	An entropy-based persistence barcode. <i>Pattern Recognition</i> , 2015, 48, 391-401.	8.1	56
2	3D well-composed polyhedral complexes. <i>Discrete Applied Mathematics</i> , 2015, 183, 59-77.	0.9	24
3	Chain homotopies for object topological representations. <i>Discrete Applied Mathematics</i> , 2009, 157, 490-499.	0.9	23
4	A new topological entropy-based approach for measuring similarities among piecewise linear functions. <i>Signal Processing</i> , 2017, 134, 130-138.	3.7	20
5	Efficiently Storing Well-Composed Polyhedral Complexes Computed Over 3D Binary Images. <i>Journal of Mathematical Imaging and Vision</i> , 2017, 59, 106-122.	1.3	13
6	Weakly well-composed cell complexes over nD pictures. <i>Information Sciences</i> , 2019, 499, 62-83.	6.9	12
7	Cubical cohomology ring of 3D photographs. <i>International Journal of Imaging Systems and Technology</i> , 2011, 21, 76-85.	4.1	10
8	A tool for integer homology computation: $\hat{H}$ -AT-model. <i>Image and Vision Computing</i> , 2009, 27, 837-845.	4.5	7
9	Well-Composed Cell Complexes. <i>Lecture Notes in Computer Science</i> , 2011, , 153-162.	1.3	7
10	Topological evaluation of volume reconstructions by voxel carving. <i>Computer Vision and Image Understanding</i> , 2014, 121, 27-35.	4.7	6
11	Encoding Specific 3D Polyhedral Complexes Using 3D Binary Images. <i>Lecture Notes in Computer Science</i> , 2016, , 268-281.	1.3	4
12	Rectifications of $A_\infty$ -Algebras. <i>Communications in Algebra</i> , 2007, 35, 2731-2743.	0.6	3
13	Topological tracking of connected components in image sequences. <i>Journal of Computer and System Sciences</i> , 2018, 95, 134-142.	1.2	3
14	Stable Topological Summaries for Analyzing the Organization of Cells in a Packed Tissue. <i>Mathematics</i> , 2021, 9, 1723.	2.2	3
15	One More Step Towards Well-Composedness of Cell Complexes over nD Pictures. <i>Lecture Notes in Computer Science</i> , 2019, , 101-114.	1.3	3
16	Persistent Homology for 3D Reconstruction Evaluation. <i>Lecture Notes in Computer Science</i> , 2012, , 139-147.	1.3	2
17	Spatiotemporal Barcodes for Image Sequence Analysis. <i>Lecture Notes in Computer Science</i> , 2015, , 61-70.	1.3	2
18	Euler Well-Composedness. <i>Lecture Notes in Computer Science</i> , 2020, , 3-19.	1.3	2

#	ARTICLE	IF	CITATIONS
19	Designing a Topological Algorithm for 3D Activity Recognition. Lecture Notes in Computer Science, 2016, , 193-203.	1.3	1
20	Strong Euler well-composedness. Journal of Combinatorial Optimization, 0, , 1.	1.3	1
21	Editorial of "Advances in Discrete Geometry for Computer Imagery". Computer Vision and Image Understanding, 2015, 138, 1.	4.7	0
22	On Topological Analysis of Cells Organization in Biological Images. Lecture Notes in Computer Science, 2021, , 58-63.	1.3	0
23	Towards Minimal Barcodes. Lecture Notes in Computer Science, 2013, , 184-193.	1.3	0