

Vera Sacristán

List of Publications by Year in descending order

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41
papers

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times ranked

484
citing authors

#	ARTICLE	IF	CITATIONS
1	Universal Reconfiguration of Facet-Connected Modular Robots by Pivots: The O(1) Musketeers. <i>Algorithmica</i> , 2021, 83, 1316-1351.	1.0	12
2	A new meta-module design for efficient reconfiguration of modular robots. <i>Autonomous Robots</i> , 2021, 45, 457-472.	3.2	6
3	Map construction algorithms: a local evaluation through hiking data. <i>Geoinformatica</i> , 2020, 24, 633-681.	2.0	5
4	Theoretical analysis of beaconless geocast protocols in 1D. , 2018, , 62-76.		0
5	Colored spanning graphs for set visualization. <i>Computational Geometry: Theory and Applications</i> , 2018, 68, 262-276.	0.3	6
6	Clustering Trajectories for Map Construction. , 2017, , .		17
7	A new meta-module for efficient reconfiguration of hinged-units modular robots. , 2016, , .		2
8	Map construction algorithms. , 2016, , .		6
9	Widening the analysis of Energy Return on Investment (EROI) in agro-ecosystems: Socio-ecological transitions to industrialized farm systems (the VallÀ's County, Catalonia, c.1860 and 1999). <i>Ecological Modelling</i> , 2016, 336, 13-25.	1.2	41
10	Opening the black box of energy throughputs in farm systems: A decomposition analysis between the energy returns to external inputs, internal biomass reuses and total inputs consumed (the VallÀ's) Tj ETQq0 0 0 rg BTg Overlook 10 Tf 50		
11	Distributed reconfiguration of 2D lattice-based modular robotic systems. <i>Autonomous Robots</i> , 2015, 38, 383-413.	3.2	22
12	Empty Triangles in Good Drawings of the Complete Graph. <i>Graphs and Combinatorics</i> , 2015, 31, 335-345.	0.2	7
13	TERRAIN VISIBILITY WITH MULTIPLE VIEWPOINTS. <i>International Journal of Computational Geometry and Applications</i> , 2014, 24, 275-306.	0.3	6
14	Proximity graphs inside large weighted graphs. <i>Networks</i> , 2013, 61, 29-39.	1.6	1
15	Coverage with k-transmitters in the presence of obstacles. <i>Journal of Combinatorial Optimization</i> , 2013, 25, 208-233.	0.8	9
16	Measuring regularity of convex polygons. <i>CAD Computer Aided Design</i> , 2013, 45, 93-104.	1.4	13
17	Some properties of k-Delaunay and k-Gabriel graphs. <i>Computational Geometry: Theory and Applications</i> , 2013, 46, 131-139.	0.3	11
18	Colored Spanning Graphs for Set Visualization. <i>Lecture Notes in Computer Science</i> , 2013, , 280-291.	1.0	8

#	ARTICLE	IF	CITATIONS
19	Terrain Visibility with Multiple Viewpoints. Lecture Notes in Computer Science, 2013, , 317-327.	1.0	5
20	IMPROVING SHORTEST PATHS IN THE DELAUNAY TRIANGULATION. International Journal of Computational Geometry and Applications, 2012, 22, 559-576.	0.3	1
21	PROXIMITY GRAPHS: E, \hat{E} , \hat{P} , \hat{I} AND \hat{V} . International Journal of Computational Geometry and Applications, 2012, 22, 439-469.	0.3	21
22	On crossing numbers of geometric proximity graphs. Computational Geometry: Theory and Applications, 2011, 44, 216-233.	0.3	8
23	Efficient constant-velocity reconfiguration of crystalline robots. Robotica, 2011, 29, 59-71.	1.3	7
24	Segmenting trajectories: A framework and algorithms using spatiotemporal criteria. Journal of Spatial Information Science, 2011, , .	1.1	14
25	An algorithmic framework for segmenting trajectories based on spatio-temporal criteria. , 2010, , .		42
26	Coverage with k-Transmitters in the Presence of Obstacles. Lecture Notes in Computer Science, 2010, , 1-15.	1.0	2
27	Linear reconfiguration of cube-style modular robots. Computational Geometry: Theory and Applications, 2009, 42, 652-663.	0.3	25
28	Realistic Reconfiguration of Crystalline (and Telecube) Robots. Springer Tracts in Advanced Robotics, 2009, , 433-447.	0.3	5
29	Linear Reconfiguration of Cube-Style Modular Robots. , 2007, , 208-219.		3
30	Visualizing Objects with Mirrors. Computer Graphics Forum, 2004, 23, 157-166.	1.8	0
31	Small Strictly Convex Quadrilateral Meshes of Point Sets. Algorithmica, 2004, 38, 317-339.	1.0	8
32	The weighted farthest color Voronoi diagram on trees and graphs. Computational Geometry: Theory and Applications, 2004, 27, 13-26.	0.3	9
33	Voronoi Diagram for services neighboring a highway. Information Processing Letters, 2003, 86, 283-288.	0.4	38
34	Long proteins with unique optimal foldings in the H-P model. Computational Geometry: Theory and Applications, 2003, 25, 139-159.	0.3	12
35	MINIMAL SET OF CONSTRAINTS FOR 2D CONSTRAINED DELAUNAY RECONSTRUCTION. International Journal of Computational Geometry and Applications, 2003, 13, 391-398.	0.3	8
36	Splitting a Delaunay Triangulation in Linear Time. Algorithmica, 2002, 34, 39-46.	1.0	27

#	ARTICLE	IF	CITATIONS
37	Implicit Convex Polygons. <i>Mathematical Modelling and Algorithms</i> , 2002, 1, 57-85.	0.5	2
38	Finding Specified Sections of Arrangements: 2D Results. <i>Mathematical Modelling and Algorithms</i> , 2002, 1, 3-16.	0.5	3
39	Smallest Color-Spanning Objects. <i>Lecture Notes in Computer Science</i> , 2001, , 278-289.	1.0	45
40	Small Convex Quadrangulations of Point Sets. <i>Lecture Notes in Computer Science</i> , 2001, , 623-635.	1.0	2
41	On Minimum-Area Hulls. <i>Algorithmica</i> , 1998, 21, 119-136.	1.0	33