

Vera Sacristán

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

610
citations

758635

12
h-index

676716

22
g-index

44
all docs

44
docs citations

44
times ranked

484
citing authors

#	ARTICLE	IF	CITATIONS
1	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 Vall's County, Catalonia, c.1860 and 1999). Ecological Modelling, 2016, 336, 13-25.	1.0	45
2	Smallest Color-Spanning Objects. Lecture Notes in Computer Science, 2001, , 278-289.	1.0	45
3	An algorithmic framework for segmenting trajectories based on spatio-temporal criteria. , 2010, , .		42
4	Widening the analysis of Energy Return on Investment (EROI) in agro-ecosystems: Socio-ecological transitions to industrialized farm systems (the Vall's County, Catalonia, c.1860 and 1999). Ecological Modelling, 2016, 336, 13-25.	1.2	41
5	Voronoi Diagram for services neighboring a highway. Information Processing Letters, 2003, 86, 283-288.	0.4	38
6	On Minimum-Area Hulls. Algorithmica, 1998, 21, 119-136.	1.0	33
7	Splitting a Delaunay Triangulation in Linear Time. Algorithmica, 2002, 34, 39-46.	1.0	27
8	Linear reconfiguration of cube-style modular robots. Computational Geometry: Theory and Applications, 2009, 42, 652-663.	0.3	25
9	Distributed reconfiguration of 2D lattice-based modular robotic systems. Autonomous Robots, 2015, 38, 383-413.	3.2	22
10	PROXIMITY GRAPHS: E, \hat{r} , \hat{r}^n , \hat{r}^\dagger AND \hat{r}^∞ . International Journal of Computational Geometry and Applications, 2012, 22, 439-469.	0.3	21
11	Clustering Trajectories for Map Construction. , 2017, , .		17
12	Segmenting trajectories: A framework and algorithms using spatiotemporal criteria. Journal of Spatial Information Science, 2011, , .	1.1	14
13	Measuring regularity of convex polygons. CAD Computer Aided Design, 2013, 45, 93-104.	1.4	13
14	Long proteins with unique optimal foldings in the H-P model. Computational Geometry: Theory and Applications, 2003, 25, 139-159.	0.3	12
15	Universal Reconfiguration of Facet-Connected Modular Robots by Pivots: The O(1) Musketeers. Algorithmica, 2021, 83, 1316-1351.	1.0	12
16	Some properties of k-Delaunay and k-Gabriel graphs. Computational Geometry: Theory and Applications, 2013, 46, 131-139.	0.3	11
17	The weighted farthest color Voronoi diagram on trees and graphs. Computational Geometry: Theory and Applications, 2004, 27, 13-26.	0.3	9
18	Coverage with k-transmitters in the presence of obstacles. Journal of Combinatorial Optimization, 2013, 25, 208-233.	0.8	9

#	ARTICLE	IF	CITATIONS
19	MINIMAL SET OF CONSTRAINTS FOR 2D CONSTRAINED DELAUNAY RECONSTRUCTION. International Journal of Computational Geometry and Applications, 2003, 13, 391-398.	0.3	8
20	Small Strictly Convex Quadrilateral Meshes of Point Sets. Algorithmica, 2004, 38, 317-339.	1.0	8
21	On crossing numbers of geometric proximity graphs. Computational Geometry: Theory and Applications, 2011, 44, 216-233.	0.3	8
22	Colored Spanning Graphs for Set Visualization. Lecture Notes in Computer Science, 2013, , 280-291.	1.0	8
23	Efficient constant-velocity reconfiguration of crystalline robots. Robotica, 2011, 29, 59-71.	1.3	7
24	Empty Triangles in Good Drawings of the Complete Graph. Graphs and Combinatorics, 2015, 31, 335-345.	0.2	7
25	TERRAIN VISIBILITY WITH MULTIPLE VIEWPOINTS. International Journal of Computational Geometry and Applications, 2014, 24, 275-306.	0.3	6
26	Map construction algorithms. , 2016, , .		6
27	Colored spanning graphs for set visualization. Computational Geometry: Theory and Applications, 2018, 68, 262-276.	0.3	6
28	A new meta-module design for efficient reconfiguration of modular robots. Autonomous Robots, 2021, 45, 457-472.	3.2	6
29	Map construction algorithms: a local evaluation through hiking data. Geoinformatica, 2020, 24, 633-681.	2.0	5
30	Realistic Reconfiguration of Crystalline (and Telecube) Robots. Springer Tracts in Advanced Robotics, 2009, , 433-447.	0.3	5
31	Terrain Visibility with Multiple Viewpoints. Lecture Notes in Computer Science, 2013, , 317-327.	1.0	5
32	Finding Specified Sections of Arrangements: 2D Results. Mathematical Modelling and Algorithms, 2002, 1, 3-16.	0.5	3
33	Linear Reconfiguration of Cube-Style Modular Robots. , 2007, , 208-219.		3
34	Implicit Convex Polygons. Mathematical Modelling and Algorithms, 2002, 1, 57-85.	0.5	2
35	A new meta-module for efficient reconfiguration of hinged-units modular robots. , 2016, , .		2
36	Small Convex Quadrangulations of Point Sets. Lecture Notes in Computer Science, 2001, , 623-635.	1.0	2

#	ARTICLE	IF	CITATIONS
37	Coverage with k -Transmitters in the Presence of Obstacles. Lecture Notes in Computer Science, 2010, , 1-15.	1.0	2
38	IMPROVING SHORTEST PATHS IN THE DELAUNAY TRIANGULATION. International Journal of Computational Geometry and Applications, 2012, 22, 559-576.	0.3	1
39	Proximity graphs inside large weighted graphs. Networks, 2013, 61, 29-39.	1.6	1
40	Visualizing Objects with Mirrors. Computer Graphics Forum, 2004, 23, 157-166.	1.8	0
41	Theoretical analysis of beaconless geocast protocols in 1D. , 2018, , 62-76.		0