

# Tiziana Calamoneri

## List of Publications by Citations

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73  
papers

74<sup>0</sup>  
citations

12  
h-index

25  
g-index

79  
ext. papers

815  
ext. citations

1.4  
avg, IF

4.46  
L-index

#	Paper	IF	Citations
73	The L(h, k)-Labelling Problem: A Survey and Annotated Bibliography. <i>Computer Journal</i> , <b>2006</b> , 49, 585-608	1.3	101
72	The L(h, k)-Labelling Problem: An Updated Survey and Annotated Bibliography. <i>Computer Journal</i> , <b>2011</b> , 54, 1344-1371	1.3	98
71	Sensor activation and radius adaptation (SARA) in heterogeneous sensor networks. <i>ACM Transactions on Sensor Networks</i> , <b>2012</b> , 8, 1-34	2.9	90
70	Autonomous Deployment of Heterogeneous Mobile Sensors. <i>IEEE Transactions on Mobile Computing</i> , <b>2011</b> , 10, 753-766	4.6	63
69	L(h,1)-labeling subclasses of planar graphs. <i>Journal of Parallel and Distributed Computing</i> , <b>2004</b> , 64, 414-426	1.6	46
68	Push & Pull: autonomous deployment of mobile sensors for a complete coverage. <i>Wireless Networks</i> , <b>2010</b> , 16, 607-625	2.5	35
67	Labeling trees with a condition at distance two. <i>Discrete Mathematics</i> , <b>2006</b> , 306, 1534-1539	0.7	25
66	Pairwise Compatibility Graphs: A Survey. <i>SIAM Review</i> , <b>2016</b> , 58, 445-460	7.4	23
65	On the L(h, k)-labeling of co-comparability graphs and circular-arc graphs. <i>Networks</i> , <b>2009</b> , 53, 27-34	1.6	14
64	3D straight-line grid drawing of 4-colorable graphs. <i>Information Processing Letters</i> , <b>1997</b> , 63, 97-102	0.8	14
63	On Adaptive Density Deployment to Mitigate the Sink-Hole Problem in Mobile Sensor Networks. <i>Mobile Networks and Applications</i> , <b>2011</b> , 16, 134-145	2.9	13
62	Optimal L(h,k)-Labeling of Regular Grids. <i>Discrete Mathematics and Theoretical Computer Science</i> , Vol. 8,		13
61	Antibandwidth of Complete k-Ary Trees. <i>Electronic Notes in Discrete Mathematics</i> , <b>2006</b> , 24, 259-266	0.3	12
60	On pairwise compatibility graphs having Dilworth number two. <i>Theoretical Computer Science</i> , <b>2014</b> , 524, 34-40	1.1	11
59	ON THE PAIRWISE COMPATIBILITY PROPERTY OF SOME SUPERCLASSES OF THRESHOLD GRAPHS. <i>Discrete Mathematics, Algorithms and Applications</i> , <b>2013</b> , 05, 1360002	0.5	9
58	Optimal -labeling of eight-regular grids. <i>Information Processing Letters</i> , <b>2013</b> , 113, 361-364	0.8	8
57	L(h, 1, 1)-labeling of outerplanar graphs. <i>Mathematical Methods of Operations Research</i> , <b>2009</b> , 69, 307-321		8

56	L(2,1)-labeling of planar graphs <b>2001</b> ,		8
55	Antibandwidth of complete . <i>Discrete Mathematics</i> , <b>2009</b> , 309, 6408-6414	0.7	7
54	Recognition of Unigraphs through Superposition of Graphs. <i>Journal of Graph Algorithms and Applications</i> , <b>2011</b> , 15, 323-343	1.5	7
53	Autonomous Mobile Sensor Placement in Complex Environments. <i>ACM Transactions on Autonomous and Adaptive Systems</i> , <b>2017</b> , 12, 1-28	1.2	6
52	Some classes of graphs that are not PCGs. <i>Theoretical Computer Science</i> , <b>2019</b> , 791, 62-75	1.1	6
51	On pairwise compatibility graphs having Dilworth number k. <i>Theoretical Computer Science</i> , <b>2014</b> , 547, 82-89	1.1	6
50	Mobile Sensor Deployment in Unknown Fields <b>2010</b> ,		6
49	A tight layout of the butterfly network <b>1996</b> ,		6
48	. <i>Discrete Applied Mathematics</i> , <b>2006</b> , 154, 2445-2457	1	6
47	On Relaxing the Constraints in Pairwise Compatibility Graphs. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 124-135	0.9	5
46	New results on edge-bandwidth. <i>Theoretical Computer Science</i> , <b>2003</b> , 307, 503-513	1.1	5
45	Optimal three-dimensional layout of interconnection networks. <i>Theoretical Computer Science</i> , <b>2001</b> , 255, 263-279	1.1	5
44	On the Radiocoloring Problem. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 118-127	0.9	5
43	An efficient orthogonal grid drawing algorithm for cubic graphs. <i>Lecture Notes in Computer Science</i> , <b>1995</b> , 31-40	0.9	5
42	Visualizing co-phylogenetic reconciliations. <i>Theoretical Computer Science</i> , <b>2020</b> , 815, 228-245	1.1	4
41	The . <i>Discrete Applied Mathematics</i> , <b>2011</b> , 159, 1196-1206	1	4
40	The L(2, 1)-Labeling Problem on Oriented Regular Grids. <i>Computer Journal</i> , <b>2011</b> , 54, 1869-1875	1.3	4
39	Drawing 2-, 3- and 4-colorable graphs in $O(n^2)$ volume. <i>Lecture Notes in Computer Science</i> , <b>1997</b> , 53-62	0.9	4

38	Minimum-energy broadcast in random-grid ad-hoc networks <b>2008</b> ,		4
37	Minimum-Energy Broadcast and disk cover in grid wireless networks. <i>Theoretical Computer Science</i> , <b>2008</b> , 399, 38-53	1.1	4
36	L(2, 1)-Coloring Matrogenic Graphs. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 236-247	0.9	4
35	Optimal L(j,k)-Edge-Labeling of Regular Grids. <i>International Journal of Foundations of Computer Science</i> , <b>2015</b> , 26, 523-535	0.6	3
34	Maximizing the Number of Broadcast Operations in Random Geometric Ad Hoc Wireless Networks. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2011</b> , 22, 208-216	3.7	3
33	Orthogonally Drawing Cubic Graphs in Parallel. <i>Journal of Parallel and Distributed Computing</i> , <b>1998</b> , 55, 94-108	4.4	3
32	Efficient algorithms for checking the equivalence of multistage interconnection networks. <i>Journal of Parallel and Distributed Computing</i> , <b>2004</b> , 64, 135-150	4.4	3
31	An optimal layout of multigrid networks. <i>Information Processing Letters</i> , <b>1999</b> , 72, 137-141	0.8	3
30	On three-dimensional layout of interconnection networks. <i>Lecture Notes in Computer Science</i> , <b>1997</b> , 64-75.9		3
29	Extracting Few Representative Reconciliations with Host Switches. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 9-18	0.9	2
28	On dynamic threshold graphs and related classes. <i>Theoretical Computer Science</i> , <b>2018</b> , 718, 46-57	1.1	2
27	A General Approach to L(h,k)-Label Interconnection Networks. <i>Journal of Computer Science and Technology</i> , <b>2008</b> , 23, 652-659	1.7	2
26	A Realistic Model to Support Rescue Operations After an Earthquake via UAVs. <i>IEEE Access</i> , <b>2022</b> , 10, 6109-6125	3.5	2
25	Visualizing Co-phylogenetic Reconciliations. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 334-347	0.9	2
24	Graphs that Are Not Pairwise Compatible: A New Proof Technique (Extended Abstract). <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 39-51	0.9	2
23	L(2,1)-labeling of oriented planar graphs. <i>Discrete Applied Mathematics</i> , <b>2013</b> , 161, 1719-1725	1	1
22	A new 3D representation of trivalent Cayley networks. <i>Information Processing Letters</i> , <b>1997</b> , 61, 247-252	0.8	1
21	Nearly optimal three dimensional layout of hypercube networks. <i>Networks</i> , <b>2006</b> , 47, 1-8	1.6	1

20	Interval routing & layered cross product: compact routing schemes for butterflies, meshes of trees, fat trees and Bene networks. <i>Journal of Parallel and Distributed Computing</i> , <b>2003</b> , 63, 1017-1025	4.4	1
19	LD-Coloring of Regular Tiling (Extended Abstract). <i>Electronic Notes in Discrete Mathematics</i> , <b>2001</b> , 8, 18-213		1
18	Exact Solution of a Class of Frequency Assignment Problems in Cellular Networks. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 163-173	0.9	1
17	Nearly Optimal Three Dimensional Layout of Hypercube Networks. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 247-258	0.9	1
16	Minimum Energy Broadcast and Disk Cover in Grid Wireless Networks. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 227-239	0.9	1
15	Impact of Information on the Complexity of Asynchronous Radio Broadcasting. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 311-330	0.9	1
14	On the L(h,k)-Labeling of Co-comparability Graphs. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 116-127	0.9	1
13	Recognition of Unigraphs through Superposition of Graphs (Extended Abstract). <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 165-176	0.9	1
12	L(2,1)-Labeling of Unigraphs. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 57-68	0.9	1
11	Linear Time Reconciliation with Bounded Transfers of Genes. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2020</b> , PP,	3	1
10	L(h,1,1)-Labeling of Outerplanar Graphs. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 268-279	0.9	1
9	Improved approximations of independent dominating set in bounded degree graphs. <i>Lecture Notes in Computer Science</i> , <b>1997</b> , 2-16	0.9	1
8	Graphs with Dilworth Number Two are Pairwise Compatibility Graphs. <i>Electronic Notes in Discrete Mathematics</i> , <b>2013</b> , 44, 31-38	0.3	0
7	Fully Dynamically Maintaining Minimal Integral Separator for Threshold and Difference Graphs. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 313-324	0.9	0
6	ON MAX CUT IN CUBIC GRAPHS. <i>International Journal of Parallel, Emergent and Distributed Systems</i> , <b>2002</b> , 17, 165-183		
5	Variable Density Deployment and Topology Control for the Solution of the Sink-Hole Problem. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2009</b> , 167-182	0.2	
4	Algorithms for the quantitative Lock/Key model of cytoplasmic incompatibility. <i>Algorithms for Molecular Biology</i> , <b>2020</b> , 15, 14	1.8	
3	On Maximal Chain Subgraphs and Covers of Bipartite Graphs. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 137-150	0.9	

- 2 A simple linear time algorithm for the locally connected spanning tree problem on maximal planar chordal graphs. *Theoretical Computer Science*, **2019**, 764, 2-14 1.1
- 1 Some Problems Related to the Space of Optimal Tree Reconciliations. *Lecture Notes in Computer Science*, **2022**, 3-14 0.9