# Tiziana Calamoneri

List of Publications by Year
in descending order



| 74 | 939 | 686830 13 | 500791 28 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 79 | 79 | 79 | 546 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The L(h, k)-Labelling Problem: An Updated Survey and Annotated Bibliography. Computer Journal, 2011, 54, 1344-1371. | 1.5 | 125 |
| 2 | The L(h, k)-Labelling Problem: A Survey and Annotated Bibliography. Computer Journal, 2006, 49, 585-608. | 1.5 | 123 |
| 3 | Sensor activation and radius adaptation (SARA) in heterogeneous sensor networks. ACM Transactions on Sensor Networks, 2012, 8, 1-34. | 2.3 | 111 |
| 4 | Autonomous Deployment of Heterogeneous Mobile Sensors. IEEE Transactions on Mobile Computing, 2011, 10, 753-766. | 3.9 | 72 |
| 5 | L(h,1)-labeling subclasses of planar graphs. Journal of Parallel and Distributed Computing, 2004, 64, 414-426. | 2.7 | 56 |
| 6 | Push & Pull: autonomous deployment of mobile sensors for a complete coverage. Wireless Networks, 2010, 16, 607-625. | 2.0 | 42 |
| 7 | Labeling trees with a condition at distance two. Discrete Mathematics, 2006, 306, 1534-1539. | 0.4 | 30 |
| 8 | Pairwise Compatibility Graphs: A Survey. SIAM Review, 2016, 58, 445-460. | 4.2 | 27 |
| 9 | 3D straight-line grid drawing of 4-colorable graphs. Information Processing Letters, 1997, 63, 97-102. | 0.4 | 20 |
| 10 | On the L(h, k)â€labeling of coâ€comparability graphs and circularâ€arc graphs. Networks, 2009, 53, 27-34. | 1.6 | 17 |
| 11 | A Realistic Model to Support Rescue Operations After an Earthquake via UAVs. IEEE Access, 2022, 10, 6109-6125. | 2.6 | 16 |
| 12 | On Adaptive Density Deployment to Mitigate the Sink-Hole Problem in Mobile Sensor Networks. Mobile Networks and Applications, 2011, 16, 134-145. | 2.2 | 15 |
| 13 | Optimal L(h,k)-Labeling of Regular Grids. Discrete Mathematics and Theoretical Computer Science, 0, Vol. 8, . | 0.1 | 15 |
| 14 | Antibandwidth of Complete k-Ary Trees. Electronic Notes in Discrete Mathematics, 2006, 24, 259-266. | 0.4 | 14 |
| 15 | On pairwise compatibility graphs having Dilworth number two. Theoretical Computer Science, 2014, 524, 34-40. | 0.5 | 13 |
| 16 | L(2,1)-labeling of planar graphs. , 2001, , . | | 11 |
| 17 | ON THE PAIRWISE COMPATIBILITY PROPERTY OF SOME SUPERCLASSES OF THRESHOLD GRAPHS. Discrete Mathematics, Algorithms and Applications, 2013, 05, 1360002. | 0.4 | 11 |
| 18 | A tight layout of the butterfly network. , 1996, , . | | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | <mml:math altimg="si3.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" | 0.5 | 9 |
| 20 | On Relaxing the Constraints in Pairwise Compatibility Graphs. Lecture Notes in Computer Science, 2012, , 124-135. | 1.0 | 9 |
| 21 | Optimal -labeling of eight-regular grids. Information Processing Letters, 2013, 113, 361-364. | 0.4 | 9 |
| 22 | An efficient orthogonal grid drawing algorithm for cubic graphs. Lecture Notes in Computer Science, 1995, , 31-40. | 1.0 | 8 |
| 23 | L(h, 1, 1)-labeling of outerplanar graphs. Mathematical Methods of Operations Research, 2009, 69, 307-321. | 0.4 | 8 |
| 24 | Antibandwidth of complete <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:mi>k</mml:mi></mml:math>-ary trees. Discrete Mathematics, 2009, 309, 6408-6414. | 0.4 | 8 |
| 25 | Autonomous Mobile Sensor Placement in Complex Environments. ACM Transactions on Autonomous and Adaptive Systems, 2017, 12, 1-28. | 0.4 | 8 |
| 26 | Recognition of Unigraphs through Superposition of Graphs. Journal of Graph Algorithms and Applications, 2011, 15, 323-343. | 0.4 | 8 |
| 27 | Drawing 2-, 3- and 4-colorable graphs in O(n2) volume. Lecture Notes in Computer Science, 1997, , 53-62. | 1.0 | 7 |
| 28 | L(2, 1)-Coloring Matrogenic Graphs. Lecture Notes in Computer Science, 2002, , 236-247. | 1.0 | 7 |
| 29 | Minimum-Energy Broadcast and disk cover in grid wireless networks. Theoretical Computer Science, 2008, 399, 38-53. | 0.5 | 7 |
| 30 | On pairwise compatibility graphs having Dilworth number k. Theoretical Computer Science, 2014, 547, 82-89. | 0.5 | 7 |
| 31 | Optimal three-dimensional layout of interconnection networks. Theoretical Computer Science, 2001, 255, 263-279. | 0.5 | 6 |
| 32 | New results on edge-bandwidth. Theoretical Computer Science, 2003, 307, 503-513. | 0.5 | 6 |
| 33 | Efficient algorithms for checking the equivalence of multistage interconnection networks. Journal of Parallel and Distributed Computing, 2004, 64, 135-150. | 2.7 | 6 |
| 34 | Mobile Sensor Deployment in Unknown Fields. , 2010, , . | | 6 |
| 35 | Some classes of graphs that are not PCGs. Theoretical Computer Science, 2019, 791, 62-75. | 0.5 | 6 |
| 36 | Minimum-energy broadcast in random-grid ad-hoc networks. , 2008, , . | | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | The <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si43.gif" display="inline" overflow="scroll"><mml:mi>L</mml:mi><mml:mrow><mml:mo>(</mml:mo><mml:mn>2</mml:mn><mml:mo>,</mml:mo><mml:mn>1</mml:mn> of unigraphs. Discrete Applied Mathematics, 2011, 159, 1196-1206. | 0.5 | 5 |
| 38 | The L(2, 1)-Labeling Problem on Oriented Regular Grids. Computer Journal, 2011, 54, 1869-1875. | 1.5 | 5 |
| 39 | Visualizing co-phylogenetic reconciliations. Theoretical Computer Science, 2020, 815, 228-245. | 0.5 | 5 |
| 40 | Orthogonally Drawing Cubic Graphs in Parallel. Journal of Parallel and Distributed Computing, 1998, 55, 94-108. | 2.7 | 4 |
| 41 | L(2,1)-labeling of oriented planar graphs. Discrete Applied Mathematics, 2013, 161, 1719-1725. | 0.5 | 4 |
| 42 | Optimal L(j,k)-Edge-Labeling of Regular Grids. International Journal of Foundations of Computer Science, 2015, 26, 523-535. | 0.8 | 4 |
| 43 | On three-dimensional layout of interconnection networks. Lecture Notes in Computer Science, 1997, , 64-75. | 1.0 | 4 |
| 44 | A new 3D representation of trivalent Cayley networks. Information Processing Letters, 1997, 61, 247-252. | 0.4 | 3 |
| 45 | An optimal layout of multigrid networks. Information Processing Letters, 1999, 72, 137-141. | 0.4 | 3 |
| 46 | Maximizing the Number of Broadcast Operations in Random Geometric Ad Hoc Wireless Networks. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 208-216. | 4.0 | 3 |
| 47 | On dynamic threshold graphs and related classes. Theoretical Computer Science, 2018, 718, 46-57. | 0.5 | 3 |
| 48 | Exact Solution of a Class of Frequency Assignment Problems in Cellular Networks. Lecture Notes in Computer Science, 2003, , 163-173. | 1.0 | 3 |
| 49 | L(2,1)-Labeling of Unigraphs. Lecture Notes in Computer Science, 2011, , 57-68. | 1.0 | 3 |
| 50 | A General Approach to L(h,k)-Label Interconnection Networks. Journal of Computer Science and Technology, 2008, 23, 652-659. | 0.9 | 2 |
| 51 | Graphs with Dilworth Number Two are Pairwise Compatibility Graphs. Electronic Notes in Discrete Mathematics, 2013, 44, 31-38. | 0.4 | 2 |
| 52 | Extracting Few Representative Reconciliations with Host Switches. Lecture Notes in Computer Science, 2019, , 9-18. | 1.0 | 2 |
| 53 | L(h,1,1)-Labeling of Outerplanar Graphs. Lecture Notes in Computer Science, 2006, , 268-279. | 1.0 | 2 |
| 54 | Improved approximations of independent dominating set in bounded degree graphs. Lecture Notes in Computer Science, 1997, , 2-16. | 1.0 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Visualizing Co-phylogenetic Reconciliations. Lecture Notes in Computer Science, 2018, , 334-347. | 1.0 | 2 |
| 56 | Graphs that Are Not Pairwise Compatible: A New Proof Technique (Extended Abstract). Lecture Notes in Computer Science, 2018, , 39-51. | 1.0 | 2 |
| 57 | Minimum Energy Broadcast and Disk Cover in Grid Wireless Networks. Lecture Notes in Computer Science, 2006, , 227-239. | 1.0 | 2 |
| 58 | LD-Coloring of Regular Tiling (Extended Abstract). Electronic Notes in Discrete Mathematics, 2001, 8, 18-21. | 0.4 | 1 |
| 59 | Interval routing & layered cross product: compact routing schemes for butterflies, meshes of trees, fat trees and BeneÅ¡ networks. Journal of Parallel and Distributed Computing, 2003, 63, 1017-1025. | 2.7 | 1 |
| 60 | Nearly optimal three dimensional layout of hypercube networks. Networks, 2006, 47, 1-8. | 1.6 | 1 |
| 61 | Editorial: Preface to the special issue. Networks, 2012, 59, 265-266. | 1.6 | 1 |
| 62 | Linear Time Reconciliation with Bounded Transfers of Genes. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2020, PP, 1-1. | 1.9 | 1 |
| 63 | Algorithms for the quantitative Lock/Key model of cytoplasmic incompatibility. Algorithms for Molecular Biology, 2020, 15, 14. | 0.3 | 1 |
| 64 | On the L(h,k)-Labeling of Co-comparability Graphs. Lecture Notes in Computer Science, 2007, , 116-127. | 1.0 | 1 |
| 65 | Nearly Optimal Three Dimensional Layout of Hypercube Networks. Lecture Notes in Computer Science, 2004, , 247-258. | 1.0 | 1 |
| 66 | Impact of Information on the Complexity of Asynchronous Radio Broadcasting. Lecture Notes in Computer Science, 2008, , 311-330. | 1.0 | 1 |
| 67 | Recognition of Unigraphs through Superposition of Graphs (Extended Abstract). Lecture Notes in Computer Science, 2009, , 165-176. | 1.0 | 1 |
| 68 | Fully Dynamically Maintaining Minimal Integral Separator for Threshold and Difference Graphs. Lecture Notes in Computer Science, 2016, , 313-324. | 1.0 | 1 |
| 69 | ON MAX CUT IN CUBIC GRAPHS. International Journal of Parallel, Emergent and Distributed Systems, 2002, 17, 165-183. | 0.4 | 0 |
| 70 | On Maximal Chain Subgraphs and Covers of Bipartite Graphs. Lecture Notes in Computer Science, 2016, , 137-150. | 1.0 | 0 |
| 71 | A simple linear time algorithm for the locally connected spanning tree problem on maximal planar chordal graphs. Theoretical Computer Science, 2019, 764, 2-14. | 0.5 | 0 |
| 72 | Variable Density Deployment and Topology Control for the Solution of the Sink-Hole Problem. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 167-182. | 0.2 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Some Problems Related to the Space of Optimal Tree Reconciliations. Lecture Notes in Computer Science, 2022, , 3-14. | 1.0 | 0 |
| 74 | Modeling and Approximating the Visit of a Set of Sites With a Fleet of UAVs. Computer Journal, 0, , . | 1.5 | 0 |