# Angelo Sifaleras

List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| 64<br>papers | 808<br>citations | 567247<br>15<br>h-index | 552766<br>26<br>g-index |
| 72<br>all docs | 72<br>docs citations | 72<br>times ranked | 681<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A hybrid Particle Swarm Optimization – Variable Neighborhood Search algorithm for Constrained Shortest Path problems. European Journal of Operational Research, 2017, 261, 819-834. | 5.7 | 111 |
| 2 | Variable neighborhood search for the economic lot sizing problem with product returns and recovery. International Journal of Production Economics, 2015, 160, 133-143. | 8.9 | 48 |
| 3 | Adaptive variable neighborhood search solution methods for the fleet size and mix pollution location-inventory-routing problem. Expert Systems With Applications, 2020, 153, 113444. | 7.6 | 48 |
| 4 | A general variable neighborhood search-based solution approach for the location-inventory-routing problem with distribution outsourcing. Computers and Chemical Engineering, 2019, 126, 263-279. | 3.8 | 44 |
| 5 | Variable neighborhood descent heuristic for solving reverse logistics multi-item dynamic lot-sizing problems. Computers and Operations Research, 2017, 78, 385-392. | 4.0 | 36 |
| 6 | A classification of community detection methods in social networks: a survey. International Journal of General Systems, 2021, 50, 63-91. | 2.5 | 33 |
| 7 | Convergence of Internet of things and mobile cloud computing. Systems Science and Control Engineering, 2014, 2, 476-483. | 3.1 | 29 |
| 8 | Minimum cost network flows: Problems, algorithms, and software. Yugoslav Journal of Operations Research, 2013, 23, 3-17. | 0.8 | 29 |
| 9 | Visual LinProg: A web-based educational software for linear programming. Computer Applications in Engineering Education, 2007, 15, 1-14. | 3.4 | 26 |
| 10 | General variable neighborhood search for the multi-product dynamic lot sizing problem in closed-loop supply chain. Electronic Notes in Discrete Mathematics, 2015, 47, 69-76. | 0.4 | 26 |
| 11 | E-learning technologies: employing Matlab web server to facilitate the education of mathematical programming. International Journal of Mathematical Education in Science and Technology, 2006, 37, 765-782. | 1.4 | 23 |
| 12 | On multi-item economic lot-sizing with remanufacturing and uncapacitated production. Applied Mathematical Modelling, 2017, 50, 772-780. | 4.2 | 19 |
| 13 | A Double-Adaptive General Variable Neighborhood Search algorithm for the solution of the Traveling Salesman Problem. Applied Soft Computing Journal, 2022, 121, 108746. | 7.2 | 18 |
| 14 | An exterior simplex type algorithm for the Minimum Cost Network Flow Problem. Computers and Operations Research, 2009, 36, 1176-1190. | 4.0 | 17 |
| 15 | Combining the priority rankings of DEA and AHP methodologies: a case study on an ICT industry. International Journal of Data Analysis Techniques and Strategies, 2013, 5, 101. | 0.2 | 17 |
| 16 | A Parallel Algorithm for Community Detection in Social Networks, Based on Path Analysis and Threaded Binary Trees. IEEE Access, 2019, 7, 20499-20519. | 4.2 | 16 |
| 17 | Recent advances delivered by HTML 5 in mobile cloud computing applications. , 2012, , . | | 15 |
| 18 | An empirical study on the commercial adoption of digital currencies. Information Systems and E-Business Management, 2019, 17, 223-259. | 3.7 | 15 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|-----|-----------|
| 19 | An Agricultural Decision Support System for Optimal Land Use Regarding Groundwater Vulnerability. International Journal of Information Systems and Social Change, 2010, 1, 66-79. | 0.1 | 14 |
| 20 | An empirical study on factors influencing the effectiveness of algorithm visualization. Computer Applications in Engineering Education, 2013, 21, 410-420. | 3.4 | 14 |
| 21 | Application of a New Network-enabled Solver for the Assignment Problem in Computer-aided Education. Journal of Computer Science, 2005, 1, 19-23. | 0.6 | 14 |
| 22 | Binary-Tree Based Estimation of File Requests for Efficient Data Replication. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 1839-1852. | 5.6 | 13 |
| 23 | A hybrid CPU-GPU parallelization scheme of variable neighborhood search for inventory optimization problems. Electronic Notes in Discrete Mathematics, 2017, 58, 47-54. | 0.4 | 12 |
| 24 | Trends in data replication strategies: a survey. International Journal of Parallel, Emergent and Distributed Systems, 2019, 34, 222-239. | 1.0 | 12 |
| 25 | Variable neighborhood search-based solution methods for the pollution location-inventory-routing problem. Optimization Letters, 2022, 16, 211-235. | 1.6 | 12 |
| 26 | Hybrid CPU-GPU Community Detection in Weighted Networks. IEEE Access, 2020, 8, 57527-57551. | 4.2 | 12 |
| 27 | Teaching Note—An Animated Demonstration of the Uncapacitated Network Simplex Algorithm. INFORMS Transactions on Education, 2009, 10, 34-40. | 0.5 | 8 |
| 28 | Exterior point simplex-type algorithms for linear and network optimization problems. Annals of Operations Research, 2015, 229, 607-633. | 4.1 | 8 |
| 29 | On a dual network exterior point simplex type algorithm and its computational behavior. RAIRO - Operations Research, 2012, 46, 211-234. | 1.8 | 7 |
| 30 | Initialization methods for the TSP with Time Windows using Variable Neighborhood Search. , 2015, , . | | 7 |
| 31 | Cooperative versus non-cooperative parallel variable neighborhood search strategies: a case study on the capacitated vehicle routing problem. Journal of Global Optimization, 2020, 78, 327-348. | 1.8 | 7 |
| 32 | A variable neighborhood search simheuristic algorithm for reliability optimization of smart grids under uncertainty. International Transactions in Operational Research, 2022, 29, 2172-2200. | 2.7 | 7 |
| 33 | Efficient Community-Based Data Distribution Over Multicast Trees. IEEE Transactions on Computational Social Systems, 2018, 5, 229-243. | 4.4 | 6 |
| 34 | Optimization Theory, Decision Making, and Operations Research Applications. Springer Proceedings in Mathematics and Statistics, 2013, , . | 0.2 | 5 |
| 35 | Editorial to the Special Cluster on Variable Neighborhood Search, Variants and Recent Applications. International Transactions in Operational Research, 2017, 24, 507-508. | 2.7 | 5 |
| 36 | A Novel, Interdisciplinary, Approach for Community Detection Based on Remote File Requests. IEEE Access, 2018, 6, 68415-68428. | 4.2 | 5 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 37 | Basic VNS Algorithms for Solving the Pollution Location Inventory Routing Problem. Lecture Notes in Computer Science, 2019, , 64-76. | 1.3 | 5 |
| 38 | A dual exterior point simplex type algorithm for the minimum cost network flow problem. Yugoslav Journal of Operations Research, 2009, 19, 157-170. | 0.8 | 5 |
| 39 | On the initialization methods of an exterior point algorithm for the assignment problem. International Journal of Computer Mathematics, 2010, 87, 1831-1846. | 1.8 | 4 |
| 40 | On the Detection of Overlapped Network Communities via Weight Redistributions. Advances in Experimental Medicine and Biology, 2017, 988, 205-214. | 1.6 | 4 |
| 41 | Advances in discrete optimization. Optimization, 2013, 62, 1003-1006. | 1.7 | 3 |
| 42 | Preventing Overloading Incidents on Smart Grids: A Multiobjective Combinatorial Optimization Approach. Communications in Computer and Information Science, 2020, , 269-281. | 0.5 | 3 |
| 43 | A Survey on Variable Neighborhood Search Methods for Supply Network Inventory. Springer Proceedings in Mathematics and Statistics, 2020, , 71-82. | 0.2 | 3 |
| 44 | Special issue on â€œOptimization models in environment and sustainable developmentâ€. Operational Research, 2009, 9, 225-227. | 2.0 | 2 |
| 45 | Dynamic trees in exterior-point Simplex-type algorithms for network flow problems. Electronic Notes in Discrete Mathematics, 2013, 41, 93-100. | 0.4 | 2 |
| 46 | On minimizing memory and computation overheads for binary-tree based data replication. , 2017, , . |  | 2 |
| 47 | Computational complexity of the exterior point simplex algorithm. Operational Research, 2019, 19, 297-316. | 2.0 | 2 |
| 48 | Classification of Network Optimization Software Packages. , 2015, , 7054-7062. |  | 2 |
| 49 | Visualization software of the network exterior primal simplex algorithm for the minimum cost network flow problem. Operational Research, 2007, 7, 449-463. | 2.0 | 1 |
| 50 | Special issue on â€œNew trends in Variable Neighborhood Searchâ€. International Transactions in Operational Research, 2017, 24, 683-683. | 2.7 | 1 |
| 51 | Solving Portfolio Optimization Problems Using AMPL. Springer Proceedings in Business and Economics, 2017, , 167-184. | 0.3 | 1 |
| 52 | Slot Machine RTP Optimization Using Variable Neighborhood Search. Mathematical Problems in Engineering, 2021, 2021, 1-8. | 1.1 | 1 |
| 53 | Evaluating the Performance of Decision Making Units in the Food Production Industry. Advances in Environmental Engineering and Green Technologies Book Series, 0, , 173-192. | 0.4 | 1 |
| 54 | On a Cooperative VNS Parallelization Strategy for the Capacitated Vehicle Routing Problem. Lecture Notes in Computer Science, 2020, , 231-239. | 1.3 | 1 |

| # | Article | IF | Citations |
|---|---------|----|-----------| 
| 55 | A Reduced Variable Neighborhood Search Approach for Feature Selection in Cancer Classification. Lecture Notes in Computer Science, 2020, , 1-16. | 1.3 | 1 |
| 56 | Employing mobile agents to secure local networks. , 0, , . | | 0 |
| 57 | On the initialization methods of an exterior point algorithm for the assignment problem. International Journal of Computer Mathematics, 2010, 87, 3328-3328. | 1.8 | 0 |
| 58 | Special issue on "Variable Neighborhood Search Variants - Recent Applications" International Transactions in Operational Research, 2015, 22, 197-198. | 2.7 | 0 |
| 59 | Mathematical optimization models for fuelwood production. Annals of Operations Research, 2020, 294, 59-74. | 4.1 | 0 |
| 60 | Shift scheduling in multi-item production lines: a case study of a mineral water bottling company. International Journal of Systems Science: Operations and Logistics, 2022, 9, 75-86. | 3.0 | 0 |
| 61 | Preface to the special issue "ICVNS 2018" Journal of Global Optimization, 2020, 78, 239-240. | 1.8 | 0 |
| 62 | Network Load Balancing Using Modular Arithmetic Computations. Advances in Experimental Medicine and Biology, 2017, 988, 271-280. | 1.6 | 0 |
| 63 | Adaptive GVNS Heuristics for Solving the Pollution Location Inventory Routing Problem. Lecture Notes in Computer Science, 2020, , 157-170. | 1.3 | 0 |
| 64 | Preface to the special issue on variable neighborhood search. Optimization Letters, 2022, 16, 1-4. | 1.6 | 0 |