# Marco Antonio Boschetti

List of Publications by Year
in descending order

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| 42 | 747 | 567281 | 552781 |
|---|---|---|---|
| papers | citations | 15 h-index | 26 g-index |

| 45 | 45 | 45 | 581 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Matheuristics: Optimization, Simulation and Control. Lecture Notes in Computer Science, 2009, , 171-177. | 1.3 | 91 |
| 2 | A Set Partitioning Approach to the Crew Scheduling Problem. Operations Research, 1999, 47, 873-888. | 1.9 | 68 |
| 3 | Benders decomposition, Lagrangean relaxation and metaheuristic design. Journal of Heuristics, 2009, 15, 283-312. | 1.4 | 53 |
| 4 | The two-dimensional finite bin packing problem. Part I: New lower bounds for the oriented case. 4or, 2003, 1, 27. | 1.6 | 52 |
| 5 | New upper bounds for the two-dimensional orthogonal non-guillotine cutting stock problem. IMA Journal of Management Mathematics, 2002, 13, 95-119. | 1.6 | 45 |
| 6 | A cutting-plane approach for the two-dimensional orthogonal non-guillotine cutting problem. European Journal of Operational Research, 2007, 183, 1136-1149. | 5.7 | 45 |
| 7 | An Exact Algorithm for the Two-Dimensional Strip-Packing Problem. Operations Research, 2010, 58, 1774-1791. | 1.9 | 43 |
| 8 | New lower bounds for the three-dimensional finite bin packing problem. Discrete Applied Mathematics, 2004, 140, 241-258. | 0.9 | 42 |
| 9 | Algorithms for nesting with defects. Discrete Applied Mathematics, 2014, 163, 17-33. | 0.9 | 38 |
| 10 | Matheuristics. EURO Advanced Tutorials on Operational Research, 2021, , . | 0.6 | 31 |
| 11 | The Two-Dimensional Finite Bin Packing Problem. Part II: New lower and upper bounds. 4or, 2003, 1, 135. | 1.6 | 29 |
| 12 | A set covering based matheuristic for a realâ€world city logistics problem. International Transactions in Operational Research, 2015, 22, 169-195. | 2.7 | 28 |
| 13 | A dual ascent procedure for the set partitioning problem. Discrete Optimization, 2008, 5, 735-747. | 0.9 | 25 |
| 14 | An Exact Algorithm for the Simplified Multiple Depot Crew Scheduling Problem. Annals of Operations Research, 2004, 127, 177-201. | 4.1 | 18 |
| 15 | A Lagrangian heuristic for sprint planning in agile software development. Computers and Operations Research, 2014, 43, 116-128. | 4.0 | 17 |
| 16 | Matheuristics: using mathematics for heuristic design. 4or, 2022, 20, 173-208. | 1.6 | 15 |
| 17 | Scatter Search Methods for the Covering Tour Problem. , 2005, , 59-91. | | 14 |
| 18 | Decomposition Techniques as Metaheuristic Frameworks. Annals of Information Systems, 2009, , 135-158. | 0.5 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | An Ant Approach to Membership Overlay Design. Lecture Notes in Computer Science, 2004, , 37-48. | 1.3 | 9 |
| 20 | Using GPU Computing for Solving the Two-Dimensional Guillotine Cutting Problem. INFORMS Journal on Computing, 2016, 28, 540-552. | 1.7 | 8 |
| 21 | Route relaxations on GPU for vehicle routing problems. European Journal of Operational Research, 2017, 258, 456-466. | 5.7 | 8 |
| 22 | A Heuristic Algorithm for solving a large-scale real-world territory design problem. Omega, 2021, 103, 102442. | 5.9 | 8 |
| 23 | Stochastic premarshalling of block stacking warehouses. Omega, 2021, 102, 102336. | 5.9 | 7 |
| 24 | A Fully Distributed Lagrangean Solution for a Peer-to-Peer Overlay Network Design Problem. INFORMS Journal on Computing, 2011, 23, 90-104. | 1.7 | 6 |
| 25 | An Ant System Heuristic for the Two-Dimensional Finite Bin Packing Problem: preliminary results. Mathematics in Industry, 2005, , 233-247. | 0.3 | 5 |
| 26 | The Generalized Assignment Problem. EURO Advanced Tutorials on Operational Research, 2021, , 3-33. | 0.6 | 5 |
| 27 | A Comparison of Three Basic Conjugate Direction Methods. Numerical Linear Algebra With Applications, 1996, 3, 473-489. | 1.6 | 4 |
| 28 | Exact methods for large-scale multi-period financial planning problems. Computational Management Science, 2009, 6, 281-306. | 1.3 | 4 |
| 29 | Client-side Computational Optimization. ACM Transactions on Mathematical Software, 2019, 45, 1-16. | 2.9 | 4 |
| 30 | An exact method for shrinking pivot tables. Omega, 2020, 93, 102044. | 5.9 | 3 |
| 31 | Membership overlay design optimization with resource constraints (accelerated on GPU). Journal of Parallel and Distributed Computing, 2019, 133, 286-296. | 4.1 | 2 |
| 32 | Very Large-Scale Neighborhood Search. EURO Advanced Tutorials on Operational Research, 2021, , 143-158. | 0.6 | 2 |
| 33 | Automatic Design for Matheuristics. EURO Advanced Tutorials on Operational Research, 2021, , 35-57. | 0.6 | 1 |
| 34 | Kernel Search. EURO Advanced Tutorials on Operational Research, 2021, , 189-197. | 0.6 | 1 |
| 35 | Modeling Distributed MQTT Systems Using Multicommodity Flow Analysis. Electronics (Switzerland), 2022, 11, 1498. | 3.1 | 1 |
| 36 | GRID-based services for optimized freight distribution. , 2006, , . | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Real world finite capacity planning: a partial enumeration â€“ based optimizer. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 2023-2028. | 0.4 | 0 |
| 38 | Population-Based Metaheuristics. EURO Advanced Tutorials on Operational Research, 2021, , 95-130. | 0.6 | 0 |
| 39 | Single Solution Metaheuristics. EURO Advanced Tutorials on Operational Research, 2021, , 61-94. | 0.6 | 0 |
| 40 | Diving Heuristics. EURO Advanced Tutorials on Operational Research, 2021, , 133-141. | 0.6 | 0 |
| 41 | Corridor Method. EURO Advanced Tutorials on Operational Research, 2021, , 179-187. | 0.6 | 0 |
| 42 | Soft Variable Fixing in Path Relinking: An Application to ACO Codes. Lecture Notes in Computer Science, 2010, , 576-577. | 1.3 | 0 |