

Louis Caccetta

List of Publications by Year in descending order

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Version: 2024-02-01

103
papers

2,015
citations

236925

25
h-index

276875

41
g-index

110
all docs

110
docs citations

110
times ranked

1325
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Modelling discontinuous terrain from DSMs using segment labelling, outlier removal and thin-plate splines. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 155, 159-171. | 11.1 | 5 |
| 2 | Birkhoff-von Neumann theorem and decomposition for doubly stochastic tensors. Linear Algebra and Its Applications, 2019, 583, 119-133. | 0.9 | 9 |
| 3 | Methodology: Preliminaries and Background. Studies in Systems, Decision and Control, 2018, , 11-23. | 1.0 | 1 |
| 4 | Multiple Locations Equipment Selection. Studies in Systems, Decision and Control, 2018, , 91-114. | 1.0 | 0 |
| 5 | Match Factor Extensions. Studies in Systems, Decision and Control, 2018, , 53-61. | 1.0 | 0 |
| 6 | Single Location Equipment Selection. Studies in Systems, Decision and Control, 2018, , 75-90. | 1.0 | 0 |
| 7 | Robust multi-objective optimal switching control arising in 1,3-propanediol microbial fed-batch process. Nonlinear Analysis: Hybrid Systems, 2017, 25, 1-20. | 3.5 | 63 |
| 8 | Global well-posedness and blow-up for the Hartree equation. Acta Mathematica Scientia, 2017, 37, 941-948. | 1.0 | 2 |
| 9 | A characterization of 3-critical graphs of connectivity two. Quaestiones Mathematicae, 2017, 40, 937-965. | 0.6 | 0 |
| 10 | Approximation algorithms for nonnegative polynomial optimization problems over unit spheres. Frontiers of Mathematics in China, 2017, 12, 1409-1426. | 0.7 | 2 |
| 11 | <i>Z</i>-Eigenvalue Inclusion Theorems for Tensors. Discrete and Continuous Dynamical Systems - Series B, 2017, 22, 187-198. | 0.9 | 37 |
| 12 | Practical exponential set stabilization for switched nonlinear systems with multiple subsystem equilibria. Journal of Global Optimization, 2016, 65, 109-118. | 1.8 | 3 |
| 13 | The Non-convex Sparse Problem with Nonnegative Constraint for Signal Reconstruction. Journal of Optimization Theory and Applications, 2016, 170, 1009-1025. | 1.5 | 2 |
| 14 | Stability of standing waves for the Kleinâ€Gordonâ€Hartree equation. Applicable Analysis, 2016, 95, 1000-1012. | 1.3 | 1 |
| 15 | Nonsingular H -tensor and its criteria. Journal of Industrial and Management Optimization, 2016, 12, 1173-1186. | 1.3 | 32 |
| 16 | MILP model for resource disruption in parallel processor system. , 2015, , . | | 0 |
| 17 | Convergence analysis of a block improvement method for polynomial optimization over unit spheres. Numerical Linear Algebra With Applications, 2015, 22, 1059-1076. | 1.6 | 46 |
| 18 | Nonlocal fractional order differential equations with changing-sign singular perturbation. Applied Mathematical Modelling, 2015, 39, 6543-6552. | 4.2 | 55 |

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|----|--|-----|-----------|
| 37 | An Alternative Lagrange-Dual Based Algorithm for Sparse Signal Reconstruction. IEEE Transactions on Signal Processing, 2011, 59, 1895-1901. | 5.3 | 30 |
| 38 | A new car-following model with consideration of roadside memorial. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 3845-3850. | 2.1 | 101 |
| 39 | A globally and quadratically convergent method for absolute value equations. Computational Optimization and Applications, 2011, 48, 45-58. | 1.6 | 95 |
| 40 | A Characterization of $(3-\hat{1}^3 c, 2)$ -Critical Claw-Free Graphs Which are not $3-\hat{1}^3 c$ -Critical. Graphs and Combinatorics, 2010, 26, 315-328. | 0.4 | 3 |
| 41 | A Superlinearly Convergent Method for a Class of Complementarity Problems with Non-Lipschitzian Functions. SIAM Journal on Optimization, 2010, 20, 1811-1827. | 2.0 | 12 |
| 42 | Feasible Semismooth Newton Method for a Class of Stochastic Linear Complementarity Problems. Journal of Optimization Theory and Applications, 2008, 139, 379-392. | 1.5 | 25 |
| 43 | The SC1 property of an expected residual function arising from stochastic complementarity problems. Operations Research Letters, 2008, 36, 456-460. | 0.7 | 35 |
| 44 | Optimal Design of All-Pass Variable Fractional-Delay Digital Filters. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 1248-1256. | 5.4 | 19 |
| 45 | Match factor for heterogeneous truck and loader fleets. International Journal of Mining, Reclamation and Environment, 2008, 22, 84-85. | 2.8 | 10 |
| 46 | Computational aspects of the optimal transit path problem. Journal of Industrial and Management Optimization, 2008, 4, 95-105. | 1.3 | 6 |
| 47 | Application of Optimisation Techniques in Open Pit Mining. , 2007, , 547-559. | | 22 |
| 48 | Match factor for heterogeneous truck and loader fleets. International Journal of Mining, Reclamation and Environment, 2007, 21, 262-270. | 2.8 | 64 |
| 49 | A characterization of maximal non-k-factor-critical graphs. Discrete Mathematics, 2007, 307, 108-114. | 0.7 | 2 |
| 50 | A dynamic model of mobile source air pollution and its properties. WIT Transactions on Biomedicine and Health, 2007, , . | 0.0 | 0 |
| 51 | A weighted least squares approach to the design of FIR filters synthesized using the modified frequency response masking structure. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2006, 53, 379-383. | 2.2 | 9 |
| 52 | Optimal design of complex FIR filters with arbitrary magnitude and group delay responses. IEEE Transactions on Signal Processing, 2006, 54, 1617-1628. | 5.3 | 21 |
| 53 | A unified approach to multistage frequency-response masking filter design using the WLS technique. IEEE Transactions on Signal Processing, 2006, 54, 3459-3467. | 5.3 | 11 |
| 54 | Total minus domination in k-partite graphs. Discrete Mathematics, 2006, 306, 1771-1775. | 0.7 | 13 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | A Survey of Reachability and Controllability for Positive Linear Systems. Annals of Operations Research, 2000, 98, 101-122. | 4.1 | 58 |
| 74 | Branch and Cut Methods for Mixed Integer Linear Programming Problems. Applied Optimization, 2000, , 21-44. | 0.4 | 5 |
| 75 | Orthogonal matchings. Discrete Mathematics, 1998, 179, 37-47. | 0.7 | 13 |
| 76 | On a problem concerning ordered colourings. Discrete Mathematics, 1998, 190, 241-245. | 0.7 | 0 |
| 77 | Immunoresponsiveness in Chronic Hepatitis C Patients: Correlation Between Tissue and Serum Findings. Immunopharmacology and Immunotoxicology, 1998, 20, 337-354. | 2.4 | 6 |
| 78 | In-situ immunophenotyping study of hepatic-infiltrating cytotoxic cells in chronic active hepatitis C. European Journal of Gastroenterology and Hepatology, 1997, 9, 491-496. | 1.6 | 40 |
| 79 | Binary Labeling of Graphs. Graphs and Combinatorics, 1997, 13, 119-137. | 0.4 | 2 |
| 80 | Solving 0-1 Programming Problems by a Penalty Approach. Opsearch, 1997, 34, 196-206. | 1.8 | 2 |
| 81 | On the vehicle routing problem. Nonlinear Analysis: Theory, Methods & Applications, 1997, 30, 4277-4288. | 1.1 | 1 |
| 82 | Matching extension and minimum degree. Discrete Mathematics, 1997, 170, 1-13. | 0.7 | 7 |
| 83 | On mixed ramsey numbers. Discrete Mathematics, 1996, 151, 3-13. | 0.7 | 2 |
| 84 | A new subtour elimination constraint for the vehicle routing problem. European Journal of Operational Research, 1996, 91, 573-586. | 5.7 | 35 |
| 85 | A note on graphs with a prescribed adjacency property. Bulletin of the Australian Mathematical Society, 1995, 51, 5-15. | 0.5 | 4 |
| 86 | On the adjacency properties of paley graphs. Networks, 1993, 23, 227-236. | 2.7 | 20 |
| 87 | Graphs of maximum diameter. Discrete Mathematics, 1992, 102, 121-141. | 0.7 | 19 |
| 88 | Integer linear programming formulation for a vehicle routing problem. European Journal of Operational Research, 1991, 52, 86-89. | 5.7 | 32 |
| 89 | Maximal cycles in graphs. Discrete Mathematics, 1991, 98, 1-7. | 0.7 | 14 |
| 90 | Long cycles in subgraphs with prescribed minimum degree. Discrete Mathematics, 1991, 97, 69-81. | 0.7 | 3 |

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|-----|---|-----|-----------|
| 91 | Regular graphs with prescribed chromatic number. Journal of Graph Theory, 1990, 14, 65-71. | 0.9 | 3 |
| 92 | Graphs with unavoidable subgraphs with large degrees. Journal of Graph Theory, 1988, 12, 17-27. | 0.9 | 8 |
| 93 | An application of discrete mathematics in the design of an open pit mine. Discrete Applied Mathematics, 1988, 21, 1-19. | 0.9 | 20 |
| 94 | A Problem in Arrangements. Mathematical Gazette, 1984, 68, 106. | 0.0 | 2 |
| 95 | Vulnerability of communication networks. Networks, 1984, 14, 141-146. | 2.7 | 8 |
| 96 | On clique covering numbers of cubic graphs. Lecture Notes in Mathematics, 1983, , 121-127. | 0.2 | 2 |
| 97 | On diameter critical graphs. Discrete Mathematics, 1979, 28, 223-229. | 0.7 | 51 |
| 98 | ON EXTREMAL GRAPHS WITH GIVEN DIAMETER AND CONNECTIVITY. Annals of the New York Academy of Sciences, 1979, 328, 76-94. | 3.8 | 14 |
| 99 | Extremal graphs of diameter 4. Journal of Combinatorial Theory Series B, 1976, 21, 104-115. | 1.0 | 8 |
| 100 | An improved algorithm to evaluate the reliability of a circular consecutive 2-out-of-r-from-n:F system. , 0, , . | | 1 |
| 101 | Frequency-response masking based FIR filter design with power-of-two coefficients and optimum PWR. , 0, , . | | 2 |
| 102 | An alternating variable approach to FIR filter design with power-of-two coefficients using the frequency-response masking technique. , 0, , . | | 0 |
| 103 | DIGITAL TERRAIN FROM A TWO-STEP SEGMENTATION AND OUTLIER-BASED ALGORITHM. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B3, 233-239. | 0.2 | 2 |