# Christine Zarges

List of Publications by Year
in descending order



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|---|---|---|---|
| 49 papers | 672 citations | 687335 13 h-index | 713444 21 g-index |
| 51 all docs | 51 docs citations | 51 times ranked | 229 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A Detailed Study of the Distributed Rough Set Based Locality Sensitive Hashing Feature Selection Technique. Fundamenta Informaticae, 2021, 182, 111-179. | 0.4 | 0 |
| 2 | A scalable and effective rough set theory-based approach for big data pre-processing. Knowledge and Information Systems, 2020, 62, 3321-3386. | 3.2 | 14 |
| 3 | Evaluation of a Permutation-Based Evolutionary Framework for Lyndon Factorizations. Lecture Notes in Computer Science, 2020, , 390-403. | 1.3 | 0 |
| 4 | Unlimited budget analysis. , 2019, , . | | 6 |
| 5 | Evolutionary search techniques for the Lyndon factorization of biosequences. , 2019, , . | | 4 |
| 6 | On the benefits and risks of using fitness sharing for multimodal optimisation. Theoretical Computer Science, 2019, 773, 53-70. | 0.9 | 25 |
| 7 | Rough Set Theory as a Data Mining Technique: A Case Study in Epidemiology and Cancer Incidence Prediction. Lecture Notes in Computer Science, 2019, , 440-455. | 1.3 | 4 |
| 8 | A Distributed Rough Set Theory Algorithm based on Locality Sensitive Hashing for an Efficient Big Data Pre-processing. , 2018, , . | | 4 |
| 9 | A black-box discrete optimization benchmarking (BB-DOB) pipeline survey. , 2018, , . | | 5 |
| 10 | Theoretical Analysis of Lexicase Selection in Multi-objective Optimization. Lecture Notes in Computer Science, 2018, , 153-164. | 1.3 | 1 |
| 11 | Stability selection using a genetic algorithm and logistic linear regression on healthcare records. , 2017, , . | | 9 |
| 12 | On Easiest Functions for Mutation Operators in Bio-Inspired Optimisation. Algorithmica, 2017, 78, 714-740. | 1.3 | 17 |
| 13 | A distributed rough set theory based algorithm for an efficient big data pre-processing under the spark framework. , 2017, , . | | 8 |
| 14 | Theoretical results on bet-and-run as an initialisation strategy. , 2017, , . | | 5 |
| 15 | Example Landscapes to Support Analysis of Multimodal Optimisation. Lecture Notes in Computer Science, 2016, , 792-802. | 1.3 | 11 |
| 16 | Artificial Immune Systems can Beat Evolutionary Algorithms in Combinatorial Optimisation. , 2016, , . | | 1 |
| 17 | On Easiest Functions for Somatic Contiguous Hypermutations And Standard Bit Mutations. , 2015, , . | | 5 |
| 18 | Analysis of Randomised Search Heuristics for Dynamic Optimisation. Evolutionary Computation, 2015, 23, 513-541. | 3.0 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Analysis of diversity mechanisms for optimisation in dynamic environments with low frequencies of change. Theoretical Computer Science, 2015, 561, 37-56. | 0.9 | 21 |
| 20 | Improving the Performance of the Germinal Center Artificial Immune System Using $$epsilon $$ -Dominance: A Multi-objective Knapsack Problem Case Study. Lecture Notes in Computer Science, 2015, , 114-125. | 1.3 | 3 |
| 21 | Evolutionary algorithms and artificial immune systems on a bi-stable dynamic optimisation problem. , 2014, , . | | 13 |
| 22 | Artificial immune systems for optimisation. , 2014, , . | | 0 |
| 23 | Reevaluating Immune-Inspired Hypermutations Using the Fixed Budget Perspective. IEEE Transactions on Evolutionary Computation, 2014, 18, 674-688. | 10.0 | 29 |
| 24 | Performance analysis of randomised search heuristics operating with a fixed budget. Theoretical Computer Science, 2014, 545, 39-58. | 0.9 | 54 |
| 25 | An Immune-Inspired Algorithm for the Set Cover Problem. Lecture Notes in Computer Science, 2014, , 243-251. | 1.3 | 5 |
| 26 | On the Runtime Analysis ofÂFitnessÂSharingÂMechanisms. Lecture Notes in Computer Science, 2014, , 932-941. | 1.3 | 9 |
| 27 | Mutation Rate Matters Even When Optimizing Monotonic Functions. Evolutionary Computation, 2013, 21, 1-27. | 3.0 | 67 |
| 28 | Artificial immune systems for optimisation. , 2013, , . | | 0 |
| 29 | Approximating vertex cover using edge-based representations. , 2013, , . | | 22 |
| 30 | A method to derive fixed budget results from expected optimisation times. , 2013, , . | | 36 |
| 31 | Analysis of diversity mechanisms for optimisation in dynamic environments with low frequencies of change. , 2013, , . | | 11 |
| 32 | Artificial immune systems for optimisation. , 2012, , . | | 2 |
| 33 | Fixed budget computations. , 2012, , . | | 26 |
| 34 | Computing Longest Common Subsequences with the B-Cell Algorithm. Lecture Notes in Computer Science, 2012, , 111-124. | 1.3 | 13 |
| 35 | On benefits and drawbacks of aging strategies for randomized search heuristics. Theoretical Computer Science, 2011, 412, 543-559. | 0.9 | 14 |
| 36 | On the role of age diversity for effective aging operators. Evolutionary Intelligence, 2011, 4, 99-125. | 3.6 | 16 |

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|---|---|---|---|
| 37 | Analyzing different variants of immune inspired somatic contiguous hypermutations. Theoretical Computer Science, 2011, 412, 517-533. | 0.9 | 50 |
| 38 | On the Analysis of the Immune-Inspired B-Cell Algorithm for the Vertex Cover Problem. Lecture Notes in Computer Science, 2011, , 117-131. | 1.3 | 17 |
| 39 | Analysis of evolutionary algorithms. , 2011, , . | | 22 |
| 40 | Analysis of an Iterated Local Search Algorithm forÂVertexÂColoring. Lecture Notes in Computer Science, 2010, , 340-352. | 1.3 | 17 |
| 41 | Aging beyond restarts. , 2010, , . | | 5 |
| 42 | On the Benefits of Aging and the Importance of Details. Lecture Notes in Computer Science, 2010, , 61-74. | 1.3 | 1 |
| 43 | OptimizingÂMonotoneÂFunctionsÂCanÂBeÂDifficult. , 2010, , 42-51. | | 9 |
| 44 | Maximal age in randomized search heuristics with aging. , 2009, , . | | 14 |
| 45 | Ingo Wegener. Evolutionary Computation, 2009, 17, 1-2. | 3.0 | 0 |
| 46 | On the utility of the population size for inversely fitness proportional mutation rates. , 2009, , . | | 33 |
| 47 | A Theoretical Analysis of Immune Inspired Somatic Contiguous Hypermutations for Function Optimization. Lecture Notes in Computer Science, 2009, , 80-94. | 1.3 | 2 |
| 48 | Comparing Different Aging Operators. Lecture Notes in Computer Science, 2009, , 95-108. | 1.3 | 4 |
| 49 | Rigorous Runtime Analysis of Inversely Fitness Proportional Mutation Rates. Lecture Notes in Computer Science, 2008, , 112-122. | 1.3 | 28 |