

Peter Jeavons

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9256483/publications.pdf>

Version: 2024-02-01

24
papers

1,114
citations

759055

12
h-index

677027

22
g-index

24
all docs

24
docs citations

24
times ranked

871
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Antibiotic collateral sensitivity is contingent on the repeatability of evolution. <i>Nature Communications</i> , 2019, 10, 334. | 5.8 | 135 |
| 2 | Model genotype–phenotype mappings and the algorithmic structure of evolution. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190332. | 1.5 | 28 |
| 3 | Binary constraint satisfaction problems defined by excluded topological minors. <i>Information and Computation</i> , 2019, 264, 12-31. | 0.5 | 4 |
| 4 | The power of propagation: when GAC is enough. <i>Constraints</i> , 2017, 22, 3-23. | 0.4 | 7 |
| 5 | Finding Graph Decompositions via SAT. , 2017, , . | | 0 |
| 6 | Stochasticity in the Genotype-Phenotype Map: Implications for the Robustness and Persistence of Bet-Hedging. <i>Genetics</i> , 2016, 204, 1523-1539. | 1.2 | 39 |
| 7 | Feedback from nature: simple randomised distributed algorithms for maximal independent set selection and greedy colouring. <i>Distributed Computing</i> , 2016, 29, 377-393. | 0.7 | 12 |
| 8 | Steering Evolution with Sequential Therapy to Prevent the Emergence of Bacterial Antibiotic Resistance. <i>PLoS Computational Biology</i> , 2015, 11, e1004493. | 1.5 | 151 |
| 9 | Patterns from nature: Distributed greedy colouring with simple messages and minimal graph knowledge. <i>Information Sciences</i> , 2015, 316, 550-566. | 4.0 | 5 |
| 10 | Simple Algorithms for Distributed Leader Election in Anonymous Synchronous Rings and Complete Networks Inspired by Neural Development in Fruit Flies. <i>International Journal of Neural Systems</i> , 2015, 25, 1550025. | 3.2 | 2 |
| 11 | Representing and solving finite-domain constraint problems using systems of polynomials. <i>Annals of Mathematics and Artificial Intelligence</i> , 2013, 67, 359-382. | 0.9 | 6 |
| 12 | Feedback from nature. , 2013, , . | | 19 |
| 13 | Simple Neural-Like P Systems for Maximal Independent Set Selection. <i>Neural Computation</i> , 2013, 25, 1642-1659. | 1.3 | 11 |
| 14 | A unified theory of structural tractability for constraint satisfaction problems. <i>Journal of Computer and System Sciences</i> , 2008, 74, 721-743. | 0.9 | 58 |
| 15 | Characterization of the putative operon containing arylamine N-acetyltransferase (nat) in <i>Mycobacterium bovis</i> BCG. <i>Molecular Microbiology</i> , 2006, 59, 181-192. | 1.2 | 43 |
| 16 | Symmetry Definitions for Constraint Satisfaction Problems. <i>Constraints</i> , 2006, 11, 115-137. | 0.4 | 50 |
| 17 | Enhancing the Prediction of Transcription Factor Binding Sites by Incorporating Structural Properties and Nucleotide Covariations. <i>Journal of Computational Biology</i> , 2006, 13, 929-945. | 0.8 | 7 |
| 18 | Supermodular functions and the complexity of MAX CSP. <i>Discrete Applied Mathematics</i> , 2005, 149, 53-72. | 0.5 | 31 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Classifying the Complexity of Constraints Using Finite Algebras. SIAM Journal on Computing, 2005, 34, 720-742. | 0.8 | 407 |
| 20 | Implementing a Test for Tractability. Constraints, 2004, 9, 139-160. | 0.4 | 8 |
| 21 | Constraint Satisfaction Problems on Intervals and Lengths. SIAM Journal on Discrete Mathematics, 2004, 17, 453-477. | 0.4 | 22 |
| 22 | New Tractable Classes From Old. Constraints, 2003, 8, 263-282. | 0.4 | 2 |
| 23 | How to Determine the Expressive Power of Constraints. Constraints, 1999, 4, 113-131. | 0.4 | 36 |
| 24 | Constraints and universal algebra. Annals of Mathematics and Artificial Intelligence, 1998, 24, 51-67. | 0.9 | 31 |