

# Toni Mancini

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

544  
citations

759233

12  
h-index

839539

18  
g-index

58  
all docs

58  
docs citations

58  
times ranked

300  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Residential Demand Management Using Individualized Demand Aware Price Policies. IEEE Transactions on Smart Grid, 2017, 8, 1284-1294.   | 9.0 | 52        |
| 2  | Lack of Associations between Female Hormone Levels and Visuospatial Working Memory, Divided Attention and Cognitive Bias across Two Consecutive Menstrual Cycles. Frontiers in Behavioral Neuroscience, 2017, 11, 120.     | 2.0 | 29        |
| 3  | Negative affect is unrelated to fluctuations in hormone levels across the menstrual cycle: Evidence from a multisite observational study across two successive cycles. Journal of Psychosomatic Research, 2017, 99, 21-27. | 2.6 | 25        |
| 4  | System Level Formal Verification via Model Checking Driven Simulation. Lecture Notes in Computer Science, 2013, , 296-312.   | 1.3 | 24        |
| 5  | Demand-aware price policy synthesis and verification services for Smart Grids. , 2014, , .   |     | 22        |
| 6  | System Level Formal Verification via Distributed Multi-core Hardware in the Loop Simulation. , 2014, , .   |     | 21        |
| 7  | Finite Model Reasoning on UML Class Diagrams Via Constraint Programming. Lecture Notes in Computer Science, 2007, , 36-47.   | 1.3 | 21        |
| 8  | Complete populations of virtual patients for<i>in silico</i>clinical trials. Bioinformatics, 2021, 36, 5465-5472.  | 4.1 | 20        |
| 9  | Anytime System Level Verification via Random Exhaustive Hardware in the Loop Simulation. , 2014, , .   |     | 17        |
| 10 | Computing Biological Model Parameters by Parallel Statistical Model Checking. Lecture Notes in Computer Science, 2015, , 542-554.  | 1.3 | 16        |
| 11 | Evaluating ASP and Commercial Solvers on the CSPLib. Constraints, 2008, 13, 407-436.   | 0.7 | 15        |
| 12 | Patient-specific models from inter-patient biological models and clinical records. , 2014, , .   |     | 15        |
| 13 | Anytime system level verification via parallel random exhaustive hardware in the loop simulation. Microprocessors and Microsystems, 2016, 41, 12-28.   | 2.8 | 15        |
| 14 | SBML2Modelica: integrating biochemical models within open-standard simulation ecosystems. Bioinformatics, 2020, 36, 2165-2172.   | 4.1 | 15        |
| 15 | SyLVaaS: System Level Formal Verification as a Service*. Fundamenta Informaticae, 2016, 149, 101-132.  | 0.4 | 14        |
| 16 | User Flexibility Aware Price Policy Synthesis for Smart Grids. , 2015, , .   |     | 13        |
| 17 | On minimising the maximum expected verification time. Information Processing Letters, 2017, 122, 8-16.   | 0.6 | 13        |
| 18 | Parallel Statistical Model Checking for Safety Verification in Smart Grids. , 2018, , .  |     | 13        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Combinatorial problem solving over relational databases. , 2012, , .   |     | 11        |
| 20 | SyLVaaS: System Level Formal Verification as a Service. , 2015, , .  |     | 11        |
| 21 | Optimal Personalised Treatment Computation through In Silico Clinical Trials on Patient Digital Twins*. Fundamenta Informaticae, 2020, 174, 283-310.                                   | 0.4 | 11        |
| 22 | Automated reformulation of specifications by safe delay of constraints. Artificial Intelligence, 2006, 170, 779-801.   | 5.8 | 9         |
| 23 | Combining relational algebra, SQL, constraint modelling, and local search. Theory and Practice of Logic Programming, 2007, 7, 37-65.   | 1.5 | 9         |
| 24 | Reconciling interoperability with efficient Verification and Validation within open source simulation environments. Simulation Modelling Practice and Theory, 2021, 109, 102277.       | 3.8 | 9         |
| 25 | USING A THEOREM PROVER FOR REASONING ON CONSTRAINT PROBLEMS. Applied Artificial Intelligence, 2007, 21, 383-404.   | 3.2 | 8         |
| 26 | Associations Between Natural Physiological and Supraphysiological Estradiol Levels and Stress Perception. Frontiers in Psychology, 2019, 10, 1296.                                     | 2.1 | 8         |
| 27 | Exploiting functional dependencies in declarative problem specifications. Artificial Intelligence, 2007, 171, 985-1010.  | 5.8 | 7         |
| 28 | Using a Theorem Prover for Reasoning on Constraint Problems. Lecture Notes in Computer Science, 2005, , 38-49.   | 1.3 | 7         |
| 29 | Exploiting Functional Dependencies in Declarative Problem Specifications. Lecture Notes in Computer Science, 2004, , 628-640.  | 1.3 | 6         |
| 30 | Now or Never: Negotiating Efficiently with Unknown or Untrusted Counterparts*. Fundamenta Informaticae, 2016, 149, 61-100.   | 0.4 | 6         |
| 31 | Generalizing consistency and other constraint properties to quantified constraints. ACM Transactions on Computational Logic, 2009, 10, 1-25.   | 0.9 | 5         |
| 32 | A Two-Layer Near-Optimal Strategy for Substation Constraint Management via Home Batteries. IEEE Transactions on Industrial Electronics, 2022, 69, 8566-8578.                           | 7.9 | 5         |
| 33 | Mathematical Modeling and Simulation Provides Evidence for New Strategies of Ovarian Stimulation. Frontiers in Endocrinology, 2021, 12, 613048.  | 3.5 | 5         |
| 34 | Any-Horizon Uniform Random Sampling and Enumeration of Constrained Scenarios for Simulation-Based Formal Verification. IEEE Transactions on Software Engineering, 2022, 48, 4002-4013. | 5.6 | 5         |
| 35 | An Efficient Algorithm for Network Vulnerability Analysis Under Malicious Attacks. Lecture Notes in Computer Science, 2018, , 302-312.   | 1.3 | 4         |
| 36 | Finite model reasoning on UML class diagrams via constraint programming. Intelligenza Artificiale, 2013, 7, 57-65.   | 1.6 | 3         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Cognitive function in association with high estradiol levels resulting from fertility treatment. <i>Hormones and Behavior</i> , 2021, 130, 104951.   | 2.1 | 3         |
| 38 | Exploiting Fixable, Removable, and Implied Values in Constraint Satisfaction Problems. <i>Lecture Notes in Computer Science</i> , 2005, , 270-284.   | 1.3 | 3         |
| 39 | Experimental evaluation of algorithms for solving problems with combinatorial explosion. <i>AI Communications</i> , 2015, 28, 159-160.   | 1.2 | 2         |
| 40 | Experimental evaluation of algorithms for solving problems with combinatorial explosion. <i>AI Communications</i> , 2016, 29, 245-247.   | 1.2 | 2         |
| 41 | MILP, Pseudo-Boolean, and OMT Solvers for Optimal Fault-Tolerant Placements of Relay Nodes in Mission Critical Wireless Networks*. <i>Fundamenta Informaticae</i> , 2020, 174, 229-258.                                    | 0.4 | 2         |
| 42 | On checking equivalence of simulation scripts. <i>Journal of Logical and Algebraic Methods in Programming</i> , 2021, 120, 100640.   | 0.5 | 2         |
| 43 | Simulator Semantics for System Level Formal Verification. <i>Electronic Proceedings in Theoretical Computer Science</i> , EPTCS, 0, 193, 86-99.  | 0.8 | 2         |
| 44 | 17th RCRA international workshop on "Experimental evaluation of algorithms for solving problems with combinatorial explosion". <i>Annals of Mathematics and Artificial Intelligence</i> , 2011, 62, 159-160.               | 1.3 | 1         |
| 45 | 18th RCRA International Workshop on "Experimental evaluation of algorithms for solving problems with combinatorial explosion". <i>AI Communications</i> , 2012, 25, 73-74.   | 1.2 | 1         |
| 46 | Automated reasoning. <i>Intelligenza Artificiale</i> , 2013, 7, 113-124.   | 1.6 | 1         |
| 47 | Combining Relational Algebra, SQL, and Constraint Programming. <i>Lecture Notes in Computer Science</i> , 2002, , 147-161.   | 1.3 | 1         |
| 48 | Knowledge compilation = query rewriting + view synthesis. , 2002, , .  |     | 1         |
| 49 | Negotiation Exploiting Reasoning by Projections. <i>Advances in Intelligent and Soft Computing</i> , 2009, , 329-338.  | 0.2 | 1         |
| 50 | RCRA 2009 Experimental Evaluation of Algorithms for Solving Problems with Combinatorial Explosion. <i>Fundamenta Informaticae</i> , 2011, 107, i-ii.   | 0.4 | 0         |
| 51 | 20th RCRA International workshop on "Experimental evaluation of algorithms for solving problems with combinatorial explosion". <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2015, 27, 501-502. | 2.8 | 0         |
| 52 | Parallelization of Cycle-Based Logic Simulation. <i>Parallel Processing Letters</i> , 2017, 27, 1750003.   | 0.6 | 0         |
| 53 | Reformulation Techniques for a Class of Permutation Problems. <i>Lecture Notes in Computer Science</i> , 2003, , 984-984.  | 1.3 | 0         |