

Silvano Cincotti

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

94
papers

1,638
citations

23
h-index

37
g-index

108
ext. papers

1,955
ext. citations

2.7
avg, IF

4.94
L-index

| # | Paper | IF | Citations |
|----|---|-----|-----------|
| 94 | Why do we need agent-based macroeconomics?. <i>Review of Evolutionary Political Economy</i> , 2022 , 3, 5 | 0.8 | 0 |
| 93 | Facing the complexity of the economy: an opportunity for the new alliance between economics and engineering. <i>Journal of Industrial and Business Economics</i> , 2021 , 48, 581-588 | 4.6 | 2 |
| 92 | The complexity of the intangible digital economy: an agent-based model. <i>Journal of Business Research</i> , 2021 , 129, 527-540 | 8.7 | 14 |
| 91 | Monetary Incentives in Italian Public Administration: A Stimulus for Employees? An Agent-Based Approach. <i>Complexity</i> , 2020 , 2020, 1-13 | 1.6 | 1 |
| 90 | Should I stay or should I go? An agent-based setup for a trading and monetary union. <i>Journal of Economic Dynamics and Control</i> , 2020 , 113, 103866 | 1.3 | 5 |
| 89 | Crowdfunding as a tool to support sustainability-oriented initiatives: Preliminary insights into the role of product/service attributes. <i>Business Strategy and the Environment</i> , 2020 , 29, 530-546 | 8.6 | 15 |
| 88 | Systemic financial risk indicators and securitised assets: an agent-based framework. <i>Journal of Economic Interaction and Coordination</i> , 2020 , 15, 9-47 | 1.1 | 2 |
| 87 | Modeling non-stationarities in high-frequency financial time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 521, 173-196 | 3.3 | 10 |
| 86 | Macroeconomic implications of mortgage loan requirements: an agent-based approach. <i>Journal of Economic Interaction and Coordination</i> , 2019 , 14, 7-46 | 1.1 | 8 |
| 85 | Assessment of the Economic and Social Impact Using SROI: An Application to Sport Companies. <i>Sustainability</i> , 2019 , 11, 3612 | 3.6 | 19 |
| 84 | The role of crowdfunding in moving towards a sustainable society. <i>Technological Forecasting and Social Change</i> , 2019 , 141, 66-73 | 9.5 | 35 |
| 83 | Budgetary rigour with stimulus in lean times: Policy advices from an agent-based model. <i>Journal of Economic Behavior and Organization</i> , 2019 , 157, 59-83 | 1.6 | 15 |
| 82 | From financial instability to green finance: the role of banking and credit market regulation in the Eurace model. <i>Journal of Evolutionary Economics</i> , 2019 , 29, 429-465 | 1.9 | 34 |
| 81 | An Agent-based Stock-flow Consistent Model of the Sustainable Transition in the Energy Sector. <i>Ecological Economics</i> , 2018 , 145, 274-300 | 5.6 | 67 |
| 80 | Static and dynamic factors in an information-based multi-asset artificial stock market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 492, 814-823 | 3.3 | 12 |
| 79 | Securitization and business cycle: an agent-based perspective. <i>Industrial and Corporate Change</i> , 2018 , 27, 1091-1121 | 2.1 | 13 |
| 78 | Traders' Networks of Interactions and Structural Properties of Financial Markets: An Agent-Based Approach. <i>Complexity</i> , 2018 , 2018, 1-9 | 1.6 | 15 |

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| 77 | Combining RMT-based filtering with time-stamped resampling for robust portfolio optimization. <i>International Journal of Computational Intelligence Systems</i> , 2015 , 8, 874-885 | 3.4 | 1 |
| 76 | Housing Market Bubbles and Business Cycles in an Agent-Based Credit Economy. <i>Economics</i> , 2014 , 8, | 1.3 | 20 |
| 75 | Modeling and forecasting of electricity spot-prices: Computational intelligence vs classical econometrics. <i>AI Communications</i> , 2014 , 27, 301-314 | 0.8 | 48 |
| 74 | Subprime Lending and Financial Inequality in an Agent-Based Model. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2014 , 55-67 | 0.4 | 1 |
| 73 | Large-Scale Modeling of Economic Systems. <i>Complex Systems</i> , 2013 , 22, 175-192 | 2 | 25 |
| 72 | The Genoa Artificial Power-Exchange. <i>Communications in Computer and Information Science</i> , 2013 , 348-363 | 3 | 16 |
| 71 | Power Plant Relocation Policy versus Investments in Transmission Network Infrastructure: A Study on the Italian Energy Market. <i>Understanding Complex Systems</i> , 2013 , 87-106 | 0.4 | 1 |
| 70 | Statistical Analysis and Agent-Based Microstructure Modeling of High-Frequency Financial Trading. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2012 , 6, 381-387 | 7.5 | 14 |
| 69 | A complex systems approach to constructing better models for managing financial markets and the economy. <i>European Physical Journal: Special Topics</i> , 2012 , 214, 295-324 | 2.3 | 64 |
| 68 | An economic and financial exploratory. <i>European Physical Journal: Special Topics</i> , 2012 , 214, 361-400 | 2.3 | 16 |
| 67 | Macroprudential Policies in an Agent-Based Artificial Economy. <i>Revue De L'OFCE</i> , 2012 , 124, 205 | 0.3 | 18 |
| 66 | Debt, Deleveraging and Business Cycles: An Agent-Based Perspective. <i>Economics</i> , 2012 , 6, | 1.3 | 58 |
| 65 | THE IMPACT OF BANKS' CAPITAL ADEQUACY REGULATION ON THE ECONOMIC SYSTEM: AN AGENT-BASED APPROACH. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2012 , 15, 1250040 | 0.8 | 35 |
| 64 | Information-based multi-assets artificial stock market with heterogeneous agents. <i>Nonlinear Analysis: Real World Applications</i> , 2011 , 12, 1235-1242 | 2.1 | 21 |
| 63 | A multi-assets artificial stock market with zero-intelligence traders. <i>Europhysics Letters</i> , 2011 , 93, 28002 | 1.6 | 20 |
| 62 | Do Capital Requirements Affect Long-Run Output Trends?. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2011 , 41-52 | 0.4 | 3 |
| 61 | Credit Money and Macroeconomic Instability in the Agent-based Model and Simulator Eurace. <i>Economics</i> , 2010 , 4, | 1.3 | 78 |
| 60 | Balance Sheet Approach to Agent-Based Computational Economics: The EURACE Project. <i>Advances in Intelligent and Soft Computing</i> , 2010 , 603-610 | | 7 |

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| 59 | Agent-based Modeling and Simulation of Competitive Wholesale Electricity Markets. <i>Energy Systems</i> , 2010 , 241-286 | 0.4 | 26 |
| 58 | Heterogeneous information-based artificial stock market. <i>New Journal of Physics</i> , 2010 , 12, 053035 | 2.9 | 23 |
| 57 | Endogenous Credit Dynamics as Source of Business Cycles in the EURACE Model. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2010 , 203-214 | 0.4 | 7 |
| 56 | Agent-based model of the Italian wholesale electricity market 2009 , | | 7 |
| 55 | Explaining Equity Excess Return by Means of an Agent-Based Financial Market. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2009 , 145-156 | 0.4 | 6 |
| 54 | Operator's Bidding Strategies in the Liberalized Italian Power Market. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2009 , 53-66 | 0.4 | |
| 53 | Supply-side gaming on electricity markets with physical constrained transmission network 2008 , | | 1 |
| 52 | New Advances in Financial Economics: Heterogeneity and Simulation. <i>Computational Economics</i> , 2008 , 32, 1-2 | 1.4 | 6 |
| 51 | Learning Agents in an Artificial Power Exchange: Tacit Collusion, Market Power and Efficiency of Two Double-auction Mechanisms. <i>Computational Economics</i> , 2008 , 32, 73-98 | 1.4 | 12 |
| 50 | Integrating Real and Financial Markets in an Agent-Based Economic Model: An Application to Monetary Policy Design. <i>Computational Economics</i> , 2008 , 32, 147-162 | 1.4 | 31 |
| 49 | Patterning surface oxide nanostructures using atomic force microscope local anodic oxidation. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008 , 40, 1941-1943 | 3 | 4 |
| 48 | Atomic Force Microscope nanolithography on titanium: Influence of the anodic voltage waveform on the formation of oxide nanodots. <i>Superlattices and Microstructures</i> , 2008 , 44, 670-676 | 2.8 | 1 |
| 47 | Prospect Theory Behavioral Assumptions in an Artificial Financial Economy. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2008 , 55-66 | 0.4 | 7 |
| 46 | A Systematic Approach to Bi-Directionally Nonlinearly Coupled Systems Design for the Generation of Complex Dynamical Behaviours. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2007 , 54, 1340-1347 | | 5 |
| 45 | A study of the effect of different catalysts for the efficient CVD growth of carbon nanotubes on silicon substrates. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2007 , 37, 6-10 | 3 | 25 |
| 44 | LEARNING OLIGOPOLISTIC COMPETITION IN ELECTRICITY AUCTIONS. <i>Computational Intelligence</i> , 2007 , 23, 197-220 | 2.5 | 6 |
| 43 | A study of the transient current during the formation of titanium oxide nanodots by AFM anodic oxidation. <i>Surface Science</i> , 2007 , 601, 4910-4914 | 1.8 | 5 |
| 42 | Monetary Policy Experiments in an Artificial Multi-Market Economy with Reservation Wages 2007 , 33-44 | | 1 |

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|----|---|-----|----|
| 41 | A dynamic general disequilibrium model of a sequential monetary production economy. <i>Chaos, Solitons and Fractals</i> , 2006 , 29, 566-577 | 9.3 | 8 |
| 40 | CVD synthesis of single wall carbon nanotubes devoted to ULSI electronic applications. <i>Physica Status Solidi (B): Basic Research</i> , 2006 , 243, 3077-3081 | 1.3 | 4 |
| 39 | A general equilibrium model of a production economy with asset markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006 , 370, 75-80 | 3.3 | 2 |
| 38 | The Waiting-Time Distribution of Trading Activity in a Double Auction Artificial Financial Market 2006 , 239-247 | | |
| 37 | Poisson-process generalization for the trading waiting-time distribution in a double-auction mechanism 2005 , 5848, 215 | | 2 |
| 36 | Price Formation in an Artificial Market: Limit Order Book Versus Matching of Supply and Demand. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2005 , 305-315 | 0.4 | 8 |
| 35 | Fraudulent Agents in an Artificial Financial Market. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2005 , 317-326 | 0.4 | 3 |
| 34 | Modeling and simulation of a double auction artificial financial market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005 , 355, 34-45 | 3.3 | 25 |
| 33 | Modeling and implementation of an artificial electricity market using agent-based technology. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005 , 355, 69-76 | 3.3 | 24 |
| 32 | Clustering of financial time series with application to index and enhanced index tracking portfolio. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005 , 355, 145-151 | 3.3 | 68 |
| 31 | A chaotic modulation scheme based on algebraic observability and sliding mode differentiators. <i>Chaos, Solitons and Fractals</i> , 2005 , 26, 363-377 | 9.3 | 8 |
| 30 | Price dynamics and market power in an agent-based power exchange 2005 , | | 3 |
| 29 | A RECEIVER DESIGN APPROACH TO GENERALIZED SYNCHRONIZATION ON A LINEAR MANIFOLD. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2004 , 14, 2493-2502 | 2 | 1 |
| 28 | Complex dynamical behaviours in two non-linearly coupled Chua's circuits. <i>Chaos, Solitons and Fractals</i> , 2004 , 21, 633-641 | 9.3 | 14 |
| 27 | Traders' Long-Run Wealth in an Artificial Financial Market. <i>Computational Economics</i> , 2003 , 22, 255-272 | 1.4 | 48 |
| 26 | Who wins? Study of long-run trader survival in an artificial stock market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003 , 324, 227-233 | 3.3 | 30 |
| 25 | Higher order reversal hysteresis curves approximation by a piecewise linear circuit model of hysteresis. <i>IEEE Transactions on Magnetics</i> , 2003 , 39, 1349-1352 | 2 | 3 |
| 24 | Hyperchaotic behaviour of two bi-directionally coupled Chua's circuits. <i>International Journal of Circuit Theory and Applications</i> , 2002 , 30, 625-637 | 2 | 87 |

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|----|--|-----|-----|
| 23 | Neural reconstruction of Lorenz attractors by an observable. <i>Chaos, Solitons and Fractals</i> , 2002 , 14, 81-86. | 9.3 | 16 |
| 22 | A PWL circuit approach to the definition of a ϵ -approximation model of scalar static hysteresis. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2002 , 49, 1290-1308 | | 7 |
| 21 | A generalization of a piece-wise linear circuit model of hysteresis. <i>IEEE Transactions on Magnetics</i> , 2002 , 38, 901-904 | 2 | 12 |
| 20 | . <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2002 , 49, 1000-1006 | | 10 |
| 19 | Self-organization and market crashes. <i>Journal of Economic Behavior and Organization</i> , 2002 , 49, 241-267 | 1.6 | 14 |
| 18 | Agent-based simulation of a financial market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001 , 299, 319-327 | 3.3 | 147 |
| 17 | Learning of Chua's circuit attractors by locally recurrent neural networks. <i>Chaos, Solitons and Fractals</i> , 2001 , 12, 2109-2115 | 9.3 | 40 |
| 16 | Dynamic properties of a piece-wise linear circuit model of hysteresis. <i>IEEE Transactions on Magnetics</i> , 2001 , 37, 3320-3323 | 2 | 12 |
| 15 | Approximation properties of a PWL circuit model of hysteresis. <i>Physica B: Condensed Matter</i> , 2000 , 275, 216-222 | 2.8 | 5 |
| 14 | 2D Preisach-type hysteresis modeling of electrotechnical steel laminates. <i>IEEE Transactions on Magnetics</i> , 1998 , 34, 3036-3039 | 2 | |
| 13 | Static and dynamic hysteretic features in a PWL circuit. <i>International Journal of Circuit Theory and Applications</i> , 1996 , 24, 183-199 | 2 | 10 |
| 12 | Dipole monolayer behaviour in the presence of electrodes. <i>Journal of Electrostatics</i> , 1996 , 37, 95-120 | 1.7 | 0 |
| 11 | Calculation of monolayer structures of hydrocarbon chains on transition metal dichalcogenides: Dotriacontane on MoSe ₂ . <i>Physical Review E</i> , 1995 , 51, 2090-2098 | 2.4 | 15 |
| 10 | A PWL ladder circuit which exhibits hysteresis. <i>International Journal of Circuit Theory and Applications</i> , 1994 , 22, 513-526 | 2 | 25 |
| 9 | Hysteresis in electric dipole monolayers. <i>Journal of Electrostatics</i> , 1994 , 32, 183-213 | 1.7 | 2 |
| 8 | Self-assembled alkane monolayers on MoSe ₂ and MoS ₂ . <i>Applied Physics Letters</i> , 1993 , 62, 3531-3533 | 3.4 | 74 |
| 7 | Modelling the influence of electrodes on a lipid monolayer. <i>Sensors and Actuators B: Chemical</i> , 1992 , 7, 419-423 | 8.5 | |
| 6 | Surface organization of dipole monolayers. <i>Journal of Molecular Liquids</i> , 1992 , 51, 89-113 | 6 | 2 |

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| 5 | Simulation of a molecular cellular array on a transputer-based parallel computer. <i>Parallel Computing</i> , 1992 , 18, 313-324 | 1 | |
| 4 | A continuous model of the interactions among electric dipoles. <i>Journal of Electrostatics</i> , 1991 , 26, 47-64 | 1.7 | 5 |
| 3 | Modelling of dipole monolayers as cellular arrays. <i>Journal of Molecular Liquids</i> , 1991 , 50, 73-92 | 6 | 5 |
| 2 | An artificial neural network position estimator for a variable reluctance linear actuator | | 2 |
| 1 | Debt Deleveraging and Business Cycles: An Agent-Based Perspective. <i>SSRN Electronic Journal</i> , | 1 | 8 |