

# Silvano Cincotti

## List of Publications by Citations

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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	Agent-based simulation of a financial market. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2001</b> , 299, 319-327	3.3	147
93	Hyperchaotic behaviour of two bi-directionally coupled Chua's circuits. <i>International Journal of Circuit Theory and Applications</i> , <b>2002</b> , 30, 625-637	2	87
92	Credit Money and Macroeconomic Instability in the Agent-based Model and Simulator Eurace. <i>Economics</i> , <b>2010</b> , 4,	1.3	78
91	Self-assembled alkane monolayers on MoSe2 and MoS2. <i>Applied Physics Letters</i> , <b>1993</b> , 62, 3531-3533	3.4	74
90	Clustering of financial time series with application to index and enhanced index tracking portfolio. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2005</b> , 355, 145-151	3.3	68
89	An Agent-based Stock-flow Consistent Model of the Sustainable Transition in the Energy Sector. <i>Ecological Economics</i> , <b>2018</b> , 145, 274-300	5.6	67
88	A complex systems approach to constructing better models for managing financial markets and the economy. <i>European Physical Journal: Special Topics</i> , <b>2012</b> , 214, 295-324	2.3	64
87	Debt, Deleveraging and Business Cycles: An Agent-Based Perspective. <i>Economics</i> , <b>2012</b> , 6,	1.3	58
86	Modeling and forecasting of electricity spot-prices: Computational intelligence vs classical econometrics. <i>AI Communications</i> , <b>2014</b> , 27, 301-314	0.8	48
85	Traders' Long-Run Wealth in an Artificial Financial Market. <i>Computational Economics</i> , <b>2003</b> , 22, 255-272	1.4	48
84	Learning of Chua's circuit attractors by locally recurrent neural networks. <i>Chaos, Solitons and Fractals</i> , <b>2001</b> , 12, 2109-2115	9.3	40
83	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> , <b>2012</b> , 15, 1250040	0.8	35
82	The role of crowdfunding in moving towards a sustainable society. <i>Technological Forecasting and Social Change</i> , <b>2019</b> , 141, 66-73	9.5	35
81	From financial instability to green finance: the role of banking and credit market regulation in the Eurace model. <i>Journal of Evolutionary Economics</i> , <b>2019</b> , 29, 429-465	1.9	34
80	Integrating Real and Financial Markets in an Agent-Based Economic Model: An Application to Monetary Policy Design. <i>Computational Economics</i> , <b>2008</b> , 32, 147-162	1.4	31
79	Who wins? Study of long-run trader survival in an artificial stock market. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2003</b> , 324, 227-233	3.3	30
78	Agent-based Modeling and Simulation of Competitive Wholesale Electricity Markets. <i>Energy Systems</i> , <b>2010</b> , 241-286	0.4	26

77	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> , <b>2007</b> , 37, 6-10	3	25
76	Modeling and simulation of a double auction artificial financial market. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2005</b> , 355, 34-45	3.3	25
75	A PWL ladder circuit which exhibits hysteresis. <i>International Journal of Circuit Theory and Applications</i> , <b>1994</b> , 22, 513-526	2	25
74	Large-Scale Modeling of Economic Systems. <i>Complex Systems</i> , <b>2013</b> , 22, 175-192	2	25
73	Modeling and implementation of an artificial electricity market using agent-based technology. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2005</b> , 355, 69-76	3.3	24
72	Heterogeneous information-based artificial stock market. <i>New Journal of Physics</i> , <b>2010</b> , 12, 053035	2.9	23
71	Information-based multi-assets artificial stock market with heterogeneous agents. <i>Nonlinear Analysis: Real World Applications</i> , <b>2011</b> , 12, 1235-1242	2.1	21
70	Housing Market Bubbles and Business Cycles in an Agent-Based Credit Economy. <i>Economics</i> , <b>2014</b> , 8,	1.3	20
69	A multi-assets artificial stock market with zero-intelligence traders. <i>Europhysics Letters</i> , <b>2011</b> , 93, 28002	1.6	20
68	Assessment of the Economic and Social Impact Using SROI: An Application to Sport Companies. <i>Sustainability</i> , <b>2019</b> , 11, 3612	3.6	19
67	Macroprudential Policies in an Agent-Based Artificial Economy. <i>Revue De L'OFCE</i> , <b>2012</b> , 124, 205	0.3	18
66	An economic and financial exploratory. <i>European Physical Journal: Special Topics</i> , <b>2012</b> , 214, 361-400	2.3	16
65	Neural reconstruction of Lorenz attractors by an observable. <i>Chaos, Solitons and Fractals</i> , <b>2002</b> , 14, 81-86	0.3	16
64	The Genoa Artificial Power-Exchange. <i>Communications in Computer and Information Science</i> , <b>2013</b> , 348-363	3	16
63	Calculation of monolayer structures of hydrocarbon chains on transition metal dichalcogenides: Dotriacontane on MoSe <sub>2</sub> . <i>Physical Review E</i> , <b>1995</b> , 51, 2090-2098	2.4	15
62	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> , <b>2020</b> , 29, 530-546	8.6	15
61	Budgetary rigour with stimulus in lean times: Policy advices from an agent-based model. <i>Journal of Economic Behavior and Organization</i> , <b>2019</b> , 157, 59-83	1.6	15
60	Traders' Networks of Interactions and Structural Properties of Financial Markets: An Agent-Based Approach. <i>Complexity</i> , <b>2018</b> , 2018, 1-9	1.6	15

59	Statistical Analysis and Agent-Based Microstructure Modeling of High-Frequency Financial Trading. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2012</b> , 6, 381-387	7.5	14
58	Complex dynamical behaviours in two non-linearly coupled Chua's circuits. <i>Chaos, Solitons and Fractals</i> , <b>2004</b> , 21, 633-641	9.3	14
57	Self-organization and market crashes. <i>Journal of Economic Behavior and Organization</i> , <b>2002</b> , 49, 241-267	1.6	14
56	The complexity of the intangible digital economy: an agent-based model. <i>Journal of Business Research</i> , <b>2021</b> , 129, 527-540	8.7	14
55	Securitization and business cycle: an agent-based perspective. <i>Industrial and Corporate Change</i> , <b>2018</b> , 27, 1091-1121	2.1	13
54	Learning Agents in an Artificial Power Exchange: Tacit Collusion, Market Power and Efficiency of Two Double-auction Mechanisms. <i>Computational Economics</i> , <b>2008</b> , 32, 73-98	1.4	12
53	Dynamic properties of a piece-wise linear circuit model of hysteresis. <i>IEEE Transactions on Magnetics</i> , <b>2001</b> , 37, 3320-3323	2	12
52	A generalization of a piece-wise linear circuit model of hysteresis. <i>IEEE Transactions on Magnetics</i> , <b>2002</b> , 38, 901-904	2	12
51	Static and dynamic factors in an information-based multi-asset artificial stock market. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2018</b> , 492, 814-823	3.3	12
50	Modeling non-stationarities in high-frequency financial time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2019</b> , 521, 173-196	3.3	10
49	. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , <b>2002</b> , 49, 1000-1006		10
48	Static and dynamic hysteretic features in a PWL circuit. <i>International Journal of Circuit Theory and Applications</i> , <b>1996</b> , 24, 183-199	2	10
47	Macroeconomic implications of mortgage loan requirements: an agent-based approach. <i>Journal of Economic Interaction and Coordination</i> , <b>2019</b> , 14, 7-46	1.1	8
46	A dynamic general disequilibrium model of a sequential monetary production economy. <i>Chaos, Solitons and Fractals</i> , <b>2006</b> , 29, 566-577	9.3	8
45	Price Formation in an Artificial Market: Limit Order Book Versus Matching of Supply and Demand. <i>Lecture Notes in Economics and Mathematical Systems</i> , <b>2005</b> , 305-315	0.4	8
44	A chaotic modulation scheme based on algebraic observability and sliding mode differentiators. <i>Chaos, Solitons and Fractals</i> , <b>2005</b> , 26, 363-377	9.3	8
43	Debt Deleveraging and Business Cycles: An Agent-Based Perspective. <i>SSRN Electronic Journal</i> ,	1	8
42	Balance Sheet Approach to Agent-Based Computational Economics: The EURACE Project. <i>Advances in Intelligent and Soft Computing</i> , <b>2010</b> , 603-610		7

41	Agent-based model of the Italian wholesale electricity market <b>2009</b> ,		7
40	A PWL circuit approach to the definition of a /spl epsiv/-approximation model of scalar static hysteresis. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , <b>2002</b> , 49, 1290-1308		7
39	Prospect Theory Behavioral Assumptions in an Artificial Financial Economy. <i>Lecture Notes in Economics and Mathematical Systems</i> , <b>2008</b> , 55-66	0.4	7
38	Endogenous Credit Dynamics as Source of Business Cycles in the EURACE Model. <i>Lecture Notes in Economics and Mathematical Systems</i> , <b>2010</b> , 203-214	0.4	7
37	LEARNING OLIGOPOLISTIC COMPETITION IN ELECTRICITY AUCTIONS. <i>Computational Intelligence</i> , <b>2007</b> , 23, 197-220	2.5	6
36	New Advances in Financial Economics: Heterogeneity and Simulation. <i>Computational Economics</i> , <b>2008</b> , 32, 1-2	1.4	6
35	Explaining Equity Excess Return by Means of an Agent-Based Financial Market. <i>Lecture Notes in Economics and Mathematical Systems</i> , <b>2009</b> , 145-156	0.4	6
34	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> , <b>2020</b> , 113, 103866	1.3	5
33	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> , <b>2007</b> , 54, 1340-1347		5
32	A study of the transient current during the formation of titanium oxide nanodots by AFM anodic oxidation. <i>Surface Science</i> , <b>2007</b> , 601, 4910-4914	1.8	5
31	Approximation properties of a PWL circuit model of hysteresis. <i>Physica B: Condensed Matter</i> , <b>2000</b> , 275, 216-222	2.8	5
30	A continuous model of the interactions among electric dipoles. <i>Journal of Electrostatics</i> , <b>1991</b> , 26, 47-64	1.7	5
29	Modelling of dipole monolayers as cellular arrays. <i>Journal of Molecular Liquids</i> , <b>1991</b> , 50, 73-92	6	5
28	Patterning surface oxide nanostructures using atomic force microscope local anodic oxidation. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2008</b> , 40, 1941-1943	3	4
27	CVD synthesis of single wall carbon nanotubes devoted to ULSI electronic applications. <i>Physica Status Solidi (B): Basic Research</i> , <b>2006</b> , 243, 3077-3081	1.3	4
26	Higher order reversal hysteresis curves approximation by a piecewise linear circuit model of hysteresis. <i>IEEE Transactions on Magnetics</i> , <b>2003</b> , 39, 1349-1352	2	3
25	Fraudulent Agents in an Artificial Financial Market. <i>Lecture Notes in Economics and Mathematical Systems</i> , <b>2005</b> , 317-326	0.4	3
24	Price dynamics and market power in an agent-based power exchange <b>2005</b> ,		3

23	Do Capital Requirements Affect Long-Run Output Trends?. <i>Lecture Notes in Economics and Mathematical Systems</i> , <b>2011</b> , 41-52	0.4	3
22	A general equilibrium model of a production economy with asset markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2006</b> , 370, 75-80	3.3	2
21	Poisson-process generalization for the trading waiting-time distribution in a double-auction mechanism <b>2005</b> , 5848, 215		2
20	An artificial neural network position estimator for a variable reluctance linear actuator		2
19	Hysteresis in electric dipole monolayers. <i>Journal of Electrostatics</i> , <b>1994</b> , 32, 183-213	1.7	2
18	Surface organization of dipole monolayers. <i>Journal of Molecular Liquids</i> , <b>1992</b> , 51, 89-113	6	2
17	Facing the complexity of the economy: an opportunity for the new alliance between economics and engineering. <i>Journal of Industrial and Business Economics</i> , <b>2021</b> , 48, 581-588	4.6	2
16	Systemic financial risk indicators and securitised assets: an agent-based framework. <i>Journal of Economic Interaction and Coordination</i> , <b>2020</b> , 15, 9-47	1.1	2
15	Combining RMT-based filtering with time-stamped resampling for robust portfolio optimization. <i>International Journal of Computational Intelligence Systems</i> , <b>2015</b> , 8, 874-885	3.4	1
14	Monetary Incentives in Italian Public Administration: A Stimulus for Employees? An Agent-Based Approach. <i>Complexity</i> , <b>2020</b> , 2020, 1-13	1.6	1
13	Supply-side gaming on electricity markets with physical constrained transmission network <b>2008</b> ,		1
12	Atomic Force Microscope nanolithography on titanium: Influence of the anodic voltage waveform on the formation of oxide nanodots. <i>Superlattices and Microstructures</i> , <b>2008</b> , 44, 670-676	2.8	1
11	A RECEIVER DESIGN APPROACH TO GENERALIZED SYNCHRONIZATION ON A LINEAR MANIFOLD. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>2004</b> , 14, 2493-2502	2	1
10	Subprime Lending and Financial Inequality in an Agent-Based Model. <i>Lecture Notes in Economics and Mathematical Systems</i> , <b>2014</b> , 55-67	0.4	1
9	Monetary Policy Experiments in an Artificial Multi-Market Economy with Reservation Wages <b>2007</b> , 33-44		1
8	Power Plant Relocation Policy versus Investments in Transmission Network Infrastructure: A Study on the Italian Energy Market. <i>Understanding Complex Systems</i> , <b>2013</b> , 87-106	0.4	1
7	Dipole monolayer behaviour in the presence of electrodes. <i>Journal of Electrostatics</i> , <b>1996</b> , 37, 95-120	1.7	0
6	Why do we need agent-based macroeconomics?. <i>Review of Evolutionary Political Economy</i> , <b>2022</b> , 3, 5	0.8	0

- 5 2D Preisach-type hysteresis modeling of electrotechnical steel laminates. *IEEE Transactions on Magnetics*, **1998**, 34, 3036-3039 2
- 4 Modelling the influence of electrodes on a lipid monolayer. *Sensors and Actuators B: Chemical*, **1992**, 7, 419-423 8.5
- 3 Simulation of a molecular cellular array on a transputer-based parallel computer. *Parallel Computing*, **1992**, 18, 313-324 1
- 2 The Waiting-Time Distribution of Trading Activity in a Double Auction Artificial Financial Market **2006**, 239-247
- 1 Operator Bidding Strategies in the Liberalized Italian Power Market. *Lecture Notes in Economics and Mathematical Systems*, **2009**, 53-66 0.4