

# Frank Schweitzer

## 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.

177  
papers

5,610  
citations

36  
h-index

71  
g-index

203  
ext. papers

6,589  
ext. citations

2.7  
avg, IF

6.09  
L-index

#	Paper	IF	Citations
177	Social nucleation: Group formation as a phase transition.. <i>Physical Review E</i> , <b>2022</b> , 105, 044301	2.4	2
176	Data-driven modelling of group formation in the fission-fusion dynamics of Bechstein's bats.. <i>Journal of the Royal Society Interface</i> , <b>2022</b> , 19, 20220170	4.1	0
175	Consensus from group interactions: An adaptive voter model on hypergraphs. <i>Physical Review E</i> , <b>2022</b> , 105,	2.4	1
174	Group relations, resilience and the I Ching. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2022</b> , 127630	3.0	0
173	The ambiguous role of social influence on the wisdom of crowds: An analytic approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2021</b> , 567, 125624	3.3	4
172	Social percolation revisited: From 2d lattices to adaptive networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2021</b> , 570, 125687	3.3	2
171	Reproducing scientists' mobility: a data-driven model. <i>Scientific Reports</i> , <b>2021</b> , 11, 10733	4.9	0
170	Analysing Time-Stamped Co-Editing Networks in Software Development Teams using git2net. <i>Empirical Software Engineering</i> , <b>2021</b> , 26, 75	3.3	0
169	Enhanced or distorted wisdom of crowds? An agent-based model of opinion formation under social influence. <i>Swarm Intelligence</i> , <b>2021</b> , 15, 31-46	3	1
168	Quantifying the Importance of Firms by Means of Reputation and Network Control. <i>Frontiers in Big Data</i> , <b>2021</b> , 4, 652913	2.8	
167	Quantifying individual influence in leading-following behavior of Bechstein's bats. <i>Scientific Reports</i> , <b>2021</b> , 11, 2691	4.9	2
166	An Agent-Based Model of Opinion Polarization Driven by Emotions. <i>Complexity</i> , <b>2020</b> , 2020, 1-11	1.6	7
165	Improving the Robustness of Online Social Networks: A Simulation Approach of Network Interventions. <i>Frontiers in Robotics and AI</i> , <b>2020</b> , 7, 57	2.8	3
164	DESIGNING SYSTEMS BOTTOM UP: FACETS AND PROBLEMS. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , <b>2020</b> , 23, 2020001	0.8	0
163	Citations driven by social connections? A multi-layer representation of coauthorship networks. <i>Quantitative Science Studies</i> , <b>2020</b> , 1, 1493-1509	3.8	8
162	A Weighted Balance Model of Opinion Hyperpolarization. <i>Jasss</i> , <b>2020</b> , 23,	4.8	17
161	SHOULD THE GOVERNMENT REWARD COOPERATION? INSIGHTS FROM AN AGENT-BASED MODEL OF WEALTH REDISTRIBUTION. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , <b>2020</b> , 23, 2050018	0.8	0

160	The Law of Proportionate Growth and Its Siblings: Applications in Agent-Based Modeling of Socio-Economic Systems. <i>Evolutionary Economics and Social Complexity Science</i> , <b>2020</b> , 145-176	0.2	1
159	Intervention Scenarios to Enhance Knowledge Transfer in a Network of Firms. <i>Frontiers in Physics</i> , <b>2020</b> , 8,	3.9	2
158	Modeling User Reputation in Online Social Networks: The Role of Costs, Benefits, and Reciprocity. <i>Entropy</i> , <b>2020</b> , 22,	2.8	4
157	An agent-based model of multi-dimensional opinion dynamics and opinion alignment. <i>Chaos</i> , <b>2020</b> , 30, 093139	3.3	8
156	Multilayer network approach to modeling authorship influence on citation dynamics in physics journals. <i>Physical Review E</i> , <b>2020</b> , 102, 032303	2.4	3
155	The mobility network of scientists: analyzing temporal correlations in scientific careers. <i>Applied Network Science</i> , <b>2020</b> , 5,	2.9	10
154	What Is the Entropy of a Social Organization?. <i>Entropy</i> , <b>2019</b> , 21, 901	2.8	6
153	International crop trade networks: the impact of shocks and cascades. <i>Environmental Research Letters</i> , <b>2019</b> , 14, 114013	6.2	14
152	CONTROL CONTRIBUTION IDENTIFIES TOP DRIVER NODES IN COMPLEX NETWORKS. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , <b>2019</b> , 22, 1950014	0.8	8
151	git2net - Mining Time-Stamped Co-Editing Networks from Large git Repositories <b>2019</b> ,		3
150	The interdependence of corporate reputation and ownership: a network approach to quantify reputation. <i>Royal Society Open Science</i> , <b>2019</b> , 6, 190570	3.3	5
149	An agent-based framework of active matter with applications in biological and social systems. <i>European Journal of Physics</i> , <b>2019</b> , 40, 014003	0.8	6
148	Framework for cascade size calculations on random networks. <i>Physical Review E</i> , <b>2018</b> , 97, 042312	2.4	6
147	Quantifying knowledge exchange in R&D networks: a data-driven model. <i>Journal of Evolutionary Economics</i> , <b>2018</b> , 28, 461-493	1.9	6
146	Sociophysics. <i>Physics Today</i> , <b>2018</b> , 71, 40-46	0.9	42
145	Explicit size distributions of failure cascades redefine systemic risk on finite networks. <i>Scientific Reports</i> , <b>2018</b> , 8, 6878	4.9	12
144	Correlations between thresholds and degrees: An analytic approach to model attacks and failure cascades. <i>Physical Review E</i> , <b>2018</b> , 98, 022306	2.4	4
143	The spatial component of R&D networks. <i>Journal of Evolutionary Economics</i> , <b>2018</b> , 28, 417-436	1.9	6

142	Understanding Popularity, Reputation, and Social Influence in the Twitter Society. <i>Policy and Internet</i> , <b>2017</b> , 9, 343-364	2.6	34
141	Evaluative Patterns and Incentives in YouTube. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 301-315	0.9	1
140	Data-driven modeling of collaboration networks: a cross-domain analysis. <i>EPJ Data Science</i> , <b>2017</b> , 6,	3.4	12
139	From Relational Data to Graphs: Inferring Significant Links Using Generalized Hypergeometric Ensembles. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 111-120	0.9	4
138	Quantifying the effect of editor-author relations on manuscript handling times. <i>Scientometrics</i> , <b>2017</b> , 113, 609-631	3	25
137	An Agent-Based Modeling Framework for Online Collective Emotions. <i>Understanding Complex Systems</i> , <b>2017</b> , 187-206	0.4	
136	Agent-Based Simulations of Emotional Dialogs in the Online Social Network MySpace. <i>Understanding Complex Systems</i> , <b>2017</b> , 207-229	0.4	4
135	Systemic risk in multiplex networks with asymmetric coupling and threshold feedback. <i>Physica D: Nonlinear Phenomena</i> , <b>2016</b> , 323-324, 64-72	3.3	26
134	Value of peripheral nodes in controlling multilayer scale-free networks. <i>Physical Review E</i> , <b>2016</b> , 93, 012309	3.0	13
133	How damage diversification can reduce systemic risk. <i>Physical Review E</i> , <b>2016</b> , 93, 042313	2.4	14
132	The rise and fall of R&D networks. <i>Industrial and Corporate Change</i> , <b>2016</b> , dtw041	2.1	10
131	When the filter bubble bursts <b>2016</b> ,		8
130	A MODEL OF DYNAMIC REWIRING AND KNOWLEDGE EXCHANGE IN R&D NETWORKS. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , <b>2016</b> , 19, 1650004	0.8	6
129	From Aristotle to Ringelmann: a large-scale analysis of team productivity and coordination in Open Source Software projects. <i>Empirical Software Engineering</i> , <b>2016</b> , 21, 642-683	3.3	26
128	An Ensemble Perspective on Multi-layer Networks. <i>Understanding Complex Systems</i> , <b>2016</b> , 37-59	0.4	3
127	Anticipated shocks in online activity <b>2016</b> ,		1
126	The Rise and Fall of R&D Networks. <i>SSRN Electronic Journal</i> , <b>2016</b> ,	1	5
125	A conceptual approach to model co-evolution of urban structures. <i>International Journal of Space Structures</i> , <b>2016</b> , 31, 43-51	0.8	2

124	The dynamics of emotions in online interaction. <i>Royal Society Open Science</i> , <b>2016</b> , 3, 160059	3.3	19
123	Tumor invasion optimization by mesenchymal-amoeboid heterogeneity. <i>Scientific Reports</i> , <b>2015</b> , 5, 10622	4.9	22
122	Ideological and Temporal Components of Network Polarization in Online Political Participatory Media. <i>Policy and Internet</i> , <b>2015</b> , 7, 46-79	2.6	36
121	Social signals and algorithmic trading of Bitcoin. <i>Royal Society Open Science</i> , <b>2015</b> , 2, 150288	3.3	91
120	Quantifying Knowledge Exchange in R&D Networks: A Data-Driven Model. <i>SSRN Electronic Journal</i> , <b>2015</b> ,	1	2
119	Neighborhood Approximations for Non-Linear Voter Models. <i>Entropy</i> , <b>2015</b> , 17, 7658-7679	2.8	7
118	The Network of Counterparty Risk: Analysing Correlations in OTC Derivatives. <i>PLoS ONE</i> , <b>2015</b> , 10, e0136638	6.38	8
117	Emotions and Activity Profiles of Influential Users in Product Reviews Communities. <i>Frontiers in Physics</i> , <b>2015</b> , 3,	3.9	5
116	The language-dependent relationship between word happiness and frequency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E2983	11.5	5
115	Sentiment cascades in the 15M movement. <i>EPJ Data Science</i> , <b>2015</b> , 4,	3.4	36
114	Quantifying the impact of leveraging and diversification on systemic risk. <i>Journal of Financial Stability</i> , <b>2014</b> , 15, 43-52	2.8	21
113	Causality-driven slow-down and speed-up of diffusion in non-Markovian temporal networks. <i>Nature Communications</i> , <b>2014</b> , 5, 5024	17.4	156
112	The role of endogenous and exogenous mechanisms in the formation of R&D networks. <i>Scientific Reports</i> , <b>2014</b> , 4, 5679	4.9	33
111	Dissonance Minimization as a Microfoundation of Social Influence in Models of Opinion Formation. <i>Journal of Mathematical Sociology</i> , <b>2014</b> , 38, 147-174	1.2	22
110	Scientific networks and success in science. <i>EPJ Data Science</i> , <b>2014</b> , 3,	3.4	3
109	COMMUNICATION IN INNOVATION COMMUNITIES: AN ANALYSIS OF 100 OPEN SOURCE SOFTWARE PROJECTS. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , <b>2014</b> , 17, 1550006	0.8	4
108	HOW DO OSS PROJECTS CHANGE IN NUMBER AND SIZE? A LARGE-SCALE ANALYSIS TO TEST A MODEL OF PROJECT GROWTH. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , <b>2014</b> , 17, 1550008	0.8	7
107	Automated software modularization based on move refactoring <b>2014</b> ,		7

106	Predicting scientific success based on coauthorship networks. <i>EPJ Data Science</i> , <b>2014</b> , 3,	3.4	93
105	Online privacy as a collective phenomenon <b>2014</b> ,		19
104	The Social Dimension of Information Ranking: A Discussion of Research Challenges and Approaches. <i>Springer Proceedings in Complexity</i> , <b>2014</b> , 45-61	0.3	1
103	Modeling collective emotions in online social systems <b>2014</b> , 389-406		4
102	How Big Is Too Big? Critical Shocks for Systemic Failure Cascades. <i>Journal of Statistical Physics</i> , <b>2013</b> , 151, 765-783	1.5	12
101	Betweenness preference: quantifying correlations in the topological dynamics of temporal networks. <i>Physical Review Letters</i> , <b>2013</b> , 110, 198701	7.4	86
100	The Role of Emotions in Contributors Activity: A Case Study on the GENTOO Community <b>2013</b> ,		30
99	The rise and fall of a central contributor: Dynamics of social organization and performance in the GENTOO community <b>2013</b> ,		14
98	Categorizing bugs with social networks: A case study on four open source software communities <b>2013</b> ,		49
97	Diversity-induced resonance in the response to social norms. <i>Physical Review E</i> , <b>2013</b> , 87, 022803	2.4	11
96	ENHANCING CONSENSUS UNDER OPINION BIAS BY MEANS OF HIERARCHICAL DECISION MAKING. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , <b>2013</b> , 16, 1350020	0.8	6
95	Social resilience in online communities <b>2013</b> ,		68
94	HOW CAN SOCIAL HERDING ENHANCE COOPERATION?. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , <b>2013</b> , 16, 1350017	0.8	9
93	Quantifying the effects of social influence. <i>Scientific Reports</i> , <b>2013</b> , 3, 1360	4.9	27
92	Redistribution spurs growth by using a portfolio effect on risky human capital. <i>PLoS ONE</i> , <b>2013</b> , 8, e54904	4.7	5
91	Exploratory of society. <i>European Physical Journal: Special Topics</i> , <b>2012</b> , 214, 347-360	2.3	8
90	Moving recommender systems from on-line commerce to retail stores. <i>Information Systems and E-Business Management</i> , <b>2012</b> , 10, 367-393	2.6	26
89	The efficiency and stability of R&D networks. <i>Games and Economic Behavior</i> , <b>2012</b> , 75, 694-713	1.1	56

88	Positive words carry less information than negative words. <i>EPJ Data Science</i> , <b>2012</b> , 1,	3.4	53
87	Political polarization and popularity in online participatory media <b>2012</b> ,		26
86	How random is social behaviour? Disentangling social complexity through the study of a wild house mouse population. <i>PLoS Computational Biology</i> , <b>2012</b> , 8, e1002786	5	22
85	Ak-shell decomposition method for weighted networks. <i>New Journal of Physics</i> , <b>2012</b> , 14, 083030	2.9	160
84	Emotional persistence in online chatting communities. <i>Scientific Reports</i> , <b>2012</b> , 2, 402	4.9	77
83	Modeling online collective emotions <b>2012</b> ,		4
82	The Link between Dependency and Cochange: Empirical Evidence. <i>IEEE Transactions on Software Engineering</i> , <b>2012</b> , 38, 1432-1444	3.5	13
81	<b>2012</b> ,		3
80	OPTIMAL MIGRATION PROMOTES THE OUTBREAK OF COOPERATION IN HETEROGENEOUS POPULATIONS. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , <b>2012</b> , 15, 1250059 <sup>0.8</sup>		9
79	Hierarchical Consensus Formation Reduces The Influence Of Opinion Bias <b>2012</b> ,		1
78	Recombinant knowledge and the evolution of innovation networks. <i>Journal of Economic Behavior and Organization</i> , <b>2011</b> , 79, 145-164	1.6	33
77	CYBEREMOTIONS [Collective Emotions in Cyberspace. <i>Procedia Computer Science</i> , <b>2011</b> , 7, 221-222	1.6	3
76	Agent-based modeling of intracellular transport. <i>European Physical Journal B</i> , <b>2011</b> , 82, 245-255	1.2	14
75	Testing an agent-based model of bacterial cell motility: How nutrient concentration affects speed distribution. <i>European Physical Journal B</i> , <b>2011</b> , 82, 235-244	1.2	17
74	Bats are able to maintain long-term social relationships despite the high fission-fusion dynamics of their groups. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2011</b> , 278, 2761-7	4.4	153
73	Sustainable growth in complex networks. <i>Europhysics Letters</i> , <b>2011</b> , 96, 58005	1.6	11
72	Emotions in Product Reviews--Empirics and Models <b>2011</b> ,		21
71	How social influence can undermine the wisdom of crowd effect. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 9020-5	11.5	550

70	Reply to Farrell: Improved individual estimation success can imply collective tunnel vision. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, E626-E626	11.5	6
69	An Agent-Based Model of Collective Emotions in Online Communities. <i>SSRN Electronic Journal</i> , <b>2010</b> ,	1	2
68	Power law signature of media exposure in human response waiting time distributions. <i>Physical Review E</i> , <b>2010</b> , 81, 056101	2.4	18
67	An agent-based model of collective emotions in online communities. <i>European Physical Journal B</i> , <b>2010</b> , 77, 533-545	1.2	77
66	ECONOMIC NETWORKS: WHAT DO WE KNOW AND WHAT DO WE NEED TO KNOW?. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , <b>2009</b> , 12, 407-422	0.8	65
65	Software change dynamics <b>2009</b> ,		6
64	Personalised and dynamic trust in social networks <b>2009</b> ,		49
63	Nonlinear voter models: the transition from invasion to coexistence. <i>European Physical Journal B</i> , <b>2009</b> , 67, 301-318	1.2	50
62	A complementary view on the growth of directory trees. <i>European Physical Journal B</i> , <b>2009</b> , 71, 641-648	1.2	3
61	Risk, Markets, Games, and Networks. <i>European Physical Journal B</i> , <b>2009</b> , 71, 439-440	1.2	
60	Systemic risk in a unifying framework for cascading processes on networks. <i>European Physical Journal B</i> , <b>2009</b> , 71, 441-460	1.2	115
59	Innovation Networks. <i>Understanding Complex Systems</i> , <b>2009</b> ,	0.4	17
58	Economic networks: the new challenges. <i>Science</i> , <b>2009</b> , 325, 422-5	33.3	537
57	Modeling Evolving Innovation Networks. <i>Understanding Complex Systems</i> , <b>2009</b> , 187-267	0.4	8
56	RISK-SEEKING VERSUS RISK-AVOIDING INVESTMENTS IN NOISY PERIODIC ENVIRONMENTS. <i>International Journal of Modern Physics C</i> , <b>2008</b> , 19, 971-994	1.1	5
55	SLOWER IS FASTER: FOSTERING CONSENSUS FORMATION BY HETEROGENEOUS INERTIA. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , <b>2008</b> , 11, 551-563	0.8	23
54	Decelerating microdynamics can accelerate macrodynamics in the voter model. <i>Physical Review Letters</i> , <b>2008</b> , 101, 018701	7.4	80
53	The epidemics of donations: logistic growth and power-laws. <i>PLoS ONE</i> , <b>2008</b> , 3, e1458	3.7	23



52	A model of a trust-based recommendation system on a social network. <i>Autonomous Agents and Multi-Agent Systems</i> , <b>2008</b> , 16, 57-74	2	229
51	Investments in random environments. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2008</b> , 387, 2035-2046	3.3	8
50	Coping with Information Overload through Trust-Based Networks. <i>Understanding Complex Systems</i> , <b>2008</b> , 273-300	0.4	5
49	Modeling vortex swarming in Daphnia. <i>Bulletin of Mathematical Biology</i> , <b>2007</b> , 69, 539-62	2.1	36
48	AGGREGATE DYNAMICS IN AN EVOLUTIONARY NETWORK MODEL. <i>International Journal of Modern Physics C</i> , <b>2007</b> , 18, 1659-1674	1.1	10
47	COEXISTENCE OF SOCIAL NORMS BASED ON IN- AND OUT-GROUP INTERACTIONS. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , <b>2007</b> , 10, 271-286	0.8	14
46	Emergence and Evolution of Coalitions in Buyer-Seller Networks. <i>Studies in Computational Intelligence</i> , <b>2007</b> , 245-258	0.8	
45	Collective Decisions in Multi-Agent Systems <b>2007</b> , 7-12		1
44	Agents with Heterogeneous Strategies Interacting in a Spatial IPD. <i>Lecture Notes in Economics and Mathematical Systems</i> , <b>2005</b> , 87-102	0.4	5
43	Coordination of Decisions in a Spatial Model of Brownian Agents. <i>Lecture Notes in Economics and Mathematical Systems</i> , <b>2004</b> , 303-318	0.4	1
42	Multi-agent Model of Biological Swarming. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 810-820	0.9	5
41	ON SPATIAL CONSENSUS FORMATION: IS THE SZNAJD MODEL DIFFERENT FROM A VOTER MODEL?. <i>International Journal of Modern Physics C</i> , <b>2003</b> , 14, 1331-1354	1.1	49
40	Coordination of decisions in a spatial agent model. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2002</b> , 303, 189-216	3.3	34
39	Self-assembling of networks in an agent-based model. <i>Physical Review E</i> , <b>2002</b> , 66, 026113	2.4	15
38	EVOLUTION OF COOPERATION IN A SPATIAL PRISONER'S DILEMMA. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , <b>2002</b> , 05, 269-299	0.8	64
37	Modelling Migration and Economic Agglomeration with Active Brownian Particles <b>2002</b> , 137-159		5
36	Swarms of particle agents with harmonic interactions. <i>Theory in Biosciences</i> , <b>2001</b> , 120, 207-224	1.3	25
35	Swarms of Particle Agents with Harmonic Interactions. <i>Theory in Biosciences</i> , <b>2001</b> , 120, 207-224	1.3	3

34	SOCIAL IMPACT MODELS OF OPINION DYNAMICS <b>2001</b> , 253-273		79
33	Statistical mechanics of canonical-dissipative systems and applications to swarm dynamics. <i>Physical Review E</i> , <b>2001</b> , 64, 021110	2.4	76
32	Active Motion in Systems with Energy Supply <b>2001</b> , 119-142		1
31	Communication and Self-Organisation in Complex Systems: A Basic Approach. <i>Advances in Spatial Science</i> , <b>2001</b> , 275-296	0.4	13
30	Phase transitions in social impact models of opinion formation. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2000</b> , 285, 199-210	3.3	92
29	Modelling collective opinion formation by means of active Brownian particles. <i>European Physical Journal B</i> , <b>2000</b> , 15, 723-732	1.2	93
28	Active Motion of Brownian Particles <b>2000</b> , 97-106		1
27	Uphill motion of active brownian particles in piecewise linear potentials. <i>European Physical Journal B</i> , <b>2000</b> , 14, 157-168	1.2	32
26	Brownian particles far from equilibrium. <i>European Physical Journal B</i> , <b>2000</b> , 15, 105-113	1.2	149
25	Directed motion of Brownian particles with internal energy depot. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>1999</b> , 273, 294-314	3.3	31
24	Active Brownian particles with energy depots modeling animal mobility. <i>BioSystems</i> , <b>1999</b> , 49, 17-29	1.9	114
23	Estimation of megacity growth: simple rules versus complex phenomena. <i>Applied Geography</i> , <b>1998</b> , 18, 69-81	4.4	34
22	Complex Motion of Brownian Particles with Energy Depots. <i>Physical Review Letters</i> , <b>1998</b> , 80, 5044-5047	7.4	198
21	Modelling Migration and Economic Agglomeration with Active Brownian Particles. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , <b>1998</b> , 01, 11-37	0.8	25
20	Optimization of road networks using evolutionary strategies. <i>Evolutionary Computation</i> , <b>1997</b> , 5, 419-38	4.3	30
19	Structural and functional information—An evolutionary approach to pragmatic information. <i>World Futures</i> , <b>1997</b> , 50, 533-549	0.4	3
18	Active walker model for the formation of human and animal trail systems. <i>Physical Review E</i> , <b>1997</b> , 56, 2527-2539	2.4	176
17	Active brownian particles: Artificial agents in physics <b>1997</b> , 358-371		10

16	Aggregation Induced by Diffusing and Nondiffusing Media <b>1997</b> , 183-192		12
15	Active random walkers simulate trunk trail formation by ants. <i>BioSystems</i> , <b>1997</b> , 41, 153-66	1.9	71
14	Clustering of Active Walkers: Phase Transition from Local Interactions. <i>Institute for Nonlinear Science</i> , <b>1996</b> , 293-305		2
13	Clustering of Active Walkers in a two-component system. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>1994</b> , 206, 359-379	3.3	79
12	Simulation of cluster growth in pores with diffusion interaction. <i>Surface Science</i> , <b>1992</b> , 272, 235-239	1.8	1
11	The Influence of Depletion Effects on Homogeneous Nucleation Rates. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>1990</b> , 166, 119-123	3.1	5
10	Non-stationary nucleation and cluster growth in quasi-binary non-ideal solutions. <i>Journal of Non-Crystalline Solids</i> , <b>1990</b> , 125, 129-138	3.9	14
9	A stochastic approach to nucleation in finite systems: Theory and computer simulations. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>1988</b> , 150, 261-279	3.3	20
8	Stochastics of nucleation in isolated gases including carrier molecules. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>1988</b> , 153, 573-591	3.3	6
7	Thermodynamics of Finite Systems and the Kinetics of First-Order Phase Transitions. <i>Teubner-Texte Zur Physik</i> , <b>1988</b> ,		38
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1	Data-driven modeling of leading-following behavior in Bechstein's bats		2