

Dirk Helbing

List of Publications by Year in descending order

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Version: 2024-02-01

184
papers

38,888
citations

10373

72
h-index

10152

140
g-index

188
all docs

188
docs citations

188
times ranked

17823
citing authors

#	ARTICLE	IF	CITATIONS
1	Collective Intelligence during Emergency Egress: The Mechanisms Underlying Altruistic Information Exchange. International Journal of Human-Computer Interaction, 2023, 39, 2876-2892.	3.3	0
2	On some fundamental challenges in monitoring epidemics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, 20210117.	1.6	4
3	Translating citizen-generated air quality data into evidence for shaping policy. Humanities and Social Sciences Communications, 2022, 9, .	1.3	7
4	Participatory resilience: Surviving, recovering and improving together. Sustainable Cities and Society, 2022, 83, 103942.	5.1	19
5	Complexity Time Bomb. , 2021, , 17-34.		0
6	How Society Works. , 2021, , 153-173.		0
7	A "Social Bitcoin" Could Sustain a Democratic Digital World. SpringerBriefs in Applied Sciences and Technology, 2021, , 39-51.	0.2	2
8	Networked Minds. , 2021, , 175-196.		1
9	The Self-Organizing Society. , 2021, , 225-248.		0
10	Summary: What's Wrong with AI?. , 2021, , 285-313.		1
11	Give more data, awareness and control to individual citizens, and they will help COVID-19 containment. Ethics and Information Technology, 2021, 23, 1-6.	2.3	33
12	Introducing participatory fairness in emergency communication can support self-organization for survival. Scientific Reports, 2021, 11, 7209.	1.6	6
13	Human-centered Democratic Innovations with Digital and Participatory Elements. , 2021, , .		6
14	Building a multisystemic understanding of societal resilience to the COVID-19 pandemic. BMJ Global Health, 2021, 6, e006794.	2.0	20
15	Social Forces. , 2021, , 35-61.		0
16	How value-sensitive design can empower sustainable consumption. Royal Society Open Science, 2021, 8, 201418.	1.1	8
17	Digital Democracy (Democracy 2.0, 3.0, 4.0). , 2021, , 249-268.		1
18	Ethics of Smart Cities: Towards Value-Sensitive Design and Co-Evolving City Life. Sustainability, 2021, 13, 11162.	1.6	27

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19	Triage 4.0: On Death Algorithms and Technological Selection. Is Today's Data-Driven Medical System Still Compatible with the Constitution?. <i>Journal of European CME</i> , 2021, 10, 1989243.	0.6	2
20	The new silk road and its potential for sustainable development: how open digital participation could make BRI a role model for sustainable businesses and markets. <i>Asian Journal of Sustainability and Social Responsibility</i> , 2019, 4, .	2.7	9
21	Generalized network dismantling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6554-6559.	3.3	100
22	Will Democracy Survive Big Data and Artificial Intelligence?. , 2019, , 73-98.		142
23	An Extension of Asimov's Robotics Laws. , 2019, , 41-46.		6
24	Homo Socialis: The Road Ahead. , 2019, , 187-200.		0
25	Ethics for Times of Crisis. <i>SSRN Electronic Journal</i> , 2018, , .	0.4	2
26	Assortative Matching with Inequality in Voluntary Contribution Games. <i>Computational Economics</i> , 2018, 52, 1029-1043.	1.5	0
27	Optimal incentives for collective intelligence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 5077-5082.	3.3	78
28	Communication power struggles on social media: A case study of the 2011-12 Russian protests. <i>Journal of Information Technology and Politics</i> , 2017, 14, 132-153.	1.8	42
29	Turn war rooms into peace rooms. <i>Nature</i> , 2017, 549, 458-458.	13.7	7
30	Nash Dynamics, Meritocratic Matching, and Cooperation. , 2017, , .		1
31	Collective navigation of complex networks: Participatory greedy routing. <i>Scientific Reports</i> , 2017, 7, 2897.	1.6	12
32	Revisiting Street Intersections Using Slot-Based Systems. <i>PLoS ONE</i> , 2016, 11, e0149607.	1.1	155
33	A "Social Bitcoin" could sustain a democratic digital world. <i>European Physical Journal: Special Topics</i> , 2016, 225, 3231-3241.	1.2	14
34	Sustained cooperation by running away from bad behavior. <i>Evolution and Human Behavior</i> , 2016, 37, 1-9.	1.4	30
35	Homo Socialis: The Road Ahead. <i>Review of Behavioral Economics</i> , 2015, 2, 239-253.	0.2	6
36	When slower is faster. <i>Complexity</i> , 2015, 21, 9-15.	0.9	42

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37	Society: Build digital democracy. <i>Nature</i> , 2015, 527, 33-34.	13.7	72
38	Thinking Ahead - Essays on Big Data, Digital Revolution, and Participatory Market Society. , 2015, , .		50
39	Privacy-Preserving Ubiquitous Social Mining via Modular and Compositional Virtual Sensors. , 2015, , .		17
40	Saving Human Lives: What Complexity Science and Information Systems can Contribute. <i>Journal of Statistical Physics</i> , 2015, 158, 735-781.	0.5	467
41	Introduction“Have We Opened Pandora“™s Box?. , 2015, , 1-26.		3
42	How and Why Our Conventional Economic Thinking Causes Global Crises. , 2015, , 39-52.		2
43	A New Kind of Economy is Born“Social Decision-Makers Beat the “Homo Economicus“, 2015, , 57-65.		1
44	Power and Fairness in a Generalized Ultimatum Game. <i>PLoS ONE</i> , 2014, 9, e99039.	1.1	13
45	Conditions for the Emergence of Shared Norms in Populations with Incompatible Preferences. <i>PLoS ONE</i> , 2014, 9, e104207.	1.1	20
46	Group Segregation and Urban Violence. <i>American Journal of Political Science</i> , 2014, 58, 226-245.	2.9	69
47	A network framework of cultural history. <i>Science</i> , 2014, 345, 558-562.	6.0	151
48	Extreme power law in a driven many-particle system without threshold dynamics. <i>Physical Review E</i> , 2014, 90, 042201.	0.8	3
49	Resilience of Natural Gas Networks during Conflicts, Crises and Disruptions. <i>PLoS ONE</i> , 2014, 9, e90265.	1.1	51
50	The Hidden Geometry of Complex, Network-Driven Contagion Phenomena. <i>Science</i> , 2013, 342, 1337-1342.	6.0	941
51	Financial price dynamics and pedestrian counterflows: A comparison of statistical stylized facts. <i>Physical Review E</i> , 2013, 87, 012804.	0.8	37
52	Reducing financial avalanches by random investments. <i>Physical Review E</i> , 2013, 88, 062814.	0.8	33
53	Globally networked risks and how to respond. <i>Nature</i> , 2013, 497, 51-59.	13.7	862
54	How Natural Selection Can Create Both Self- and Other-Regarding Preferences and Networked Minds. <i>Scientific Reports</i> , 2013, 3, 1480.	1.6	41

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55	Patient and impatient pedestrians in a spatial game for egress congestion. <i>Physical Review E</i> , 2013, 87, 012802.	0.8	56
56	EDITORIAL: AGENT-BASED MODELING AND TECHNO-SOCIAL SYSTEMS. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2013, 16, 1303002.	0.9	1
57	Economics 2.0: The Natural Step towards a Self-Regulating, Participatory Market Society. <i>Evolutionary and Institutional Economics Review</i> , 2013, 10, 3-41.	0.3	44
58	Understanding Recurrent Crime as System-Immanent Collective Behavior. <i>PLoS ONE</i> , 2013, 8, e76063.	1.1	56
59	Manifesto de Ciência Social Computacional. <i>Media&Meios: Revista De Ciências Sociais</i> , 2013, 18, 20.	0.1	1
60	How Norms Can Generate Conflict: An Experiment on the Failure of Cooperative Micro-motives on the Macro-level. <i>Social Forces</i> , 2012, 90, 919-946.	0.9	42
61	Quantifying the Behavior of Stock Correlations Under Market Stress. <i>Scientific Reports</i> , 2012, 2, 752.	1.6	164
62	Molecular crowding creates traffic jams of kinesin motors on microtubules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 6100-6105.	3.3	186
63	Crowd disasters as systemic failures: analysis of the Love Parade disaster. <i>EPJ Data Science</i> , 2012, 1, .	1.5	245
64	Agent-Based Modeling. <i>Understanding Complex Systems</i> , 2012, , 25-70.	0.3	120
65	The Rationality of Prejudices. <i>PLoS ONE</i> , 2012, 7, e30902.	1.1	6
66	Bankruptcy Cascades in Interbank Markets. <i>PLoS ONE</i> , 2012, 7, e52749.	1.1	61
67	Crowd Disasters as Systemic Failures: Analysis of the Love Parade Disaster. <i>SSRN Electronic Journal</i> , 2012, , .	0.4	6
68	Modeling of Socio-Economic Systems. <i>Understanding Complex Systems</i> , 2012, , 1-24.	0.3	4
69	Social Experiments and Computing. <i>Understanding Complex Systems</i> , 2012, , 201-209.	0.3	0
70	Cooperation in Social Dilemmas. <i>Understanding Complex Systems</i> , 2012, , 131-138.	0.3	1
71	Evolution of Moral Behavior. <i>Understanding Complex Systems</i> , 2012, , 153-167.	0.3	0
72	Heterogeneous Populations: Coexistence, Integration, or Conflict. <i>Understanding Complex Systems</i> , 2012, , 185-199.	0.3	0

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73	Self-Organization and Emergence in Social Systems: Modeling the Coevolution of Social Environments and Cooperative Behavior. <i>Journal of Mathematical Sociology</i> , 2011, 35, 177-208.	0.6	62
74	How simple rules determine pedestrian behavior and crowd disasters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6884-6888.	3.3	867
75	Emergence of social cohesion in a model society of greedy, mobile individuals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 11370-11374.	3.3	124
76	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> , 2011, 108, 9020-9025.	3.3	751
77	How Citation Boosts Promote Scientific Paradigm Shifts and Nobel Prizes. <i>PLoS ONE</i> , 2011, 6, e18975.	1.1	98
78	Sensitivity analysis of permeability parameters for flows on Barcelona networks. <i>Journal of Differential Equations</i> , 2010, 249, 3110-3131.	1.1	14
79	How Social Inequality Can Promote Cooperation. <i>SSRN Electronic Journal</i> , 2010, , .	0.4	0
80	Cooperation, Norms, and Revolutions: A Unified Game-Theoretical Approach. <i>PLoS ONE</i> , 2010, 5, e12530.	1.1	52
81	Fundamental and Real-World Challenges in Economics. <i>SSRN Electronic Journal</i> , 2010, , .	0.4	13
82	Defector-accelerated cooperativeness and punishment in public goods games with mutations. <i>Physical Review E</i> , 2010, 81, 057104.	0.8	110
83	Phase transitions to cooperation in the prisoner's dilemma. <i>Physical Review E</i> , 2010, 81, 057102.	0.8	22
84	Evolutionary dynamics of populations with conflicting interactions: Classification and analytical treatment considering asymmetry and power. <i>Physical Review E</i> , 2010, 81, 016112.	0.8	22
85	The future of social experimenting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 5265-5266.	3.3	54
86	Evolutionary Establishment of Moral and Double Moral Standards through Spatial Interactions. <i>PLoS Computational Biology</i> , 2010, 6, e1000758.	1.5	294
87	Individualization as Driving Force of Clustering Phenomena in Humans. <i>PLoS Computational Biology</i> , 2010, 6, e1000959.	1.5	122
88	Punish, but not too hard: how costly punishment spreads in the spatial public goods game. <i>New Journal of Physics</i> , 2010, 12, 083005.	1.2	314
89	Three-phase traffic theory and two-phase models with a fundamental diagram in the light of empirical stylized facts. <i>Transportation Research Part B: Methodological</i> , 2010, 44, 983-1000.	2.8	159
90	Connectivity Statistics of Store-and-Forward Intervehicle Communication. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2010, 11, 172-181.	4.7	95

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91	Enhanced intelligent driver model to access the impact of driving strategies on traffic capacity. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 4585-4605.	1.6	600
92	Game Theoretical Interactions of Moving Agents. Understanding Complex Systems, 2010, , 219-239.	0.3	7
93	The Walking Behaviour of Pedestrian Social Groups and Its Impact on Crowd Dynamics. PLoS ONE, 2010, 5, e10047.	1.1	765
94	How Wealth Accumulation Can Promote Cooperation. PLoS ONE, 2010, 5, e13471.	1.1	21
95	Managing Complexity in Socio-Economic Systems. European Review, 2009, 17, 423-438.	0.4	23
96	The outbreak of cooperation among success-driven individuals under noisy conditions. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3680-3685.	3.3	459
97	Pattern formation, social forces, and diffusion instability in games with success-driven motion. European Physical Journal B, 2009, 67, 345-356.	0.6	22
98	Derivation of a fundamental diagram for urban traffic flow. European Physical Journal B, 2009, 70, 229-241.	0.6	111
99	Theoretical vs. empirical classification and prediction of congested traffic states. European Physical Journal B, 2009, 69, 583-598.	0.6	110
100	Criticism of three-phase traffic theory. Transportation Research Part B: Methodological, 2009, 43, 784-797.	2.8	100
101	Experimental study of the behavioural mechanisms underlying self-organization in human crowds. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 2755-2762.	1.2	377
102	Collective Information Processing and Pattern Formation in Swarms, Flocks, and Crowds. Topics in Cognitive Science, 2009, 1, 469-497.	1.1	160
103	Editorial. Theory in Biosciences, 2008, 127, 67-68.	0.6	0
104	Adaptive cruise control design for active congestion avoidance. Transportation Research Part C: Emerging Technologies, 2008, 16, 668-683.	3.9	470
105	Self-control of traffic lights and vehicle flows in urban road networks. Journal of Statistical Mechanics: Theory and Experiment, 2008, 2008, P04019.	0.9	212
106	FROM CROWD DYNAMICS TO CROWD SAFETY: A VIDEO-BASED ANALYSIS. International Journal of Modeling, Simulation, and Scientific Computing, 2008, 11, 497-527.	0.9	259
107	MIGRATION AS A MECHANISM TO PROMOTE COOPERATION. International Journal of Modeling, Simulation, and Scientific Computing, 2008, 11, 641-652.	0.9	84
108	Transient Dynamics Increasing Network Vulnerability to Cascading Failures. Physical Review Letters, 2008, 100, 218701.	2.9	201

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109	An Agent-Based Approach to Self-organized Production. Natural Computing Series, 2008, , 219-252.	2.2	10
110	Logistics Networks: Coping with Nonlinearity and Complexity. Understanding Complex Systems, 2008, , 119-136.	0.3	10
111	Empirical Features of Congested Traffic States and Their Implications for Traffic Modeling. Transportation Science, 2007, 41, 135-166.	2.6	210
112	Growth, innovation, scaling, and the pace of life in cities. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7301-7306.	3.3	1,917
113	Efficient response to cascading disaster spreading. Physical Review E, 2007, 75, 056107.	0.8	75
114	Dynamics of crowd disasters: An empirical study. Physical Review E, 2007, 75, 046109.	0.8	842
115	General Lane-Changing Model MOBIL for Car-Following Models. Transportation Research Record, 2007, 1999, 86-94.	1.0	802
116	SPECIFICATION OF THE SOCIAL FORCE PEDESTRIAN MODEL BY EVOLUTIONARY ADJUSTMENT TO VIDEO TRACKING DATA. International Journal of Modeling, Simulation, and Scientific Computing, 2007, 10, 271-288.	0.9	384
117	Extending Adaptive Cruise Control to Adaptive Driving Strategies. Transportation Research Record, 2007, 2000, 16-24.	1.0	97
118	Self-organized network flows. Networks and Heterogeneous Media, 2007, 2, 193-210.	0.5	48
119	Delays, inaccuracies and anticipation in microscopic traffic models. Physica A: Statistical Mechanics and Its Applications, 2006, 360, 71-88.	1.2	425
120	Inefficient emergent oscillations in intersecting driven many-particle flows. Physica A: Statistical Mechanics and Its Applications, 2006, 368, 567-574.	1.2	42
121	Decentralised control of material or traffic flows in networks using phase-synchronisation. Physica A: Statistical Mechanics and Its Applications, 2006, 363, 39-47.	1.2	59
122	Scaling laws in urban supply networks. Physica A: Statistical Mechanics and Its Applications, 2006, 363, 96-103.	1.2	124
123	Modelling the dynamics of disaster spreading in networks. Physica A: Statistical Mechanics and Its Applications, 2006, 363, 132-140.	1.2	107
124	Scaling laws in the spatial structure of urban road networks. Physica A: Statistical Mechanics and Its Applications, 2006, 363, 89-95.	1.2	304
125	Analytical Approach to Continuous and Intermittent Bottleneck Flows. Physical Review Letters, 2006, 97, 168001.	2.9	146
126	HOW INDIVIDUALS LEARN TO TAKE TURNS: EMERGENCE OF ALTERNATING COOPERATION IN A CONGESTION GAME AND THE PRISONER'S DILEMMA. International Journal of Modeling, Simulation, and Scientific Computing, 2005, 08, 87-116.	0.9	104

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127	SUPPLY AND PRODUCTION NETWORKS: FROM THE BULLWHIP EFFECT TO BUSINESS CYCLES. World Scientific Lecture Notes in Complex Systems, 2005, , 33-66.	0.1	28
128	Analytical investigation of innovation dynamics considering stochasticity in the evaluation of fitness. Physical Review E, 2005, 71, 067101.	0.8	19
129	Self-Organized Pedestrian Crowd Dynamics: Experiments, Simulations, and Design Solutions. Transportation Science, 2005, 39, 1-24.	2.6	1,168
130	The physics of traffic and regional development. Contemporary Physics, 2004, 45, 405-426.	0.8	48
131	Optimal traffic organization in ants under crowded conditions. Nature, 2004, 428, 70-73.	13.7	308
132	Stability analysis and stabilization strategies for linear supply chains. Physica A: Statistical Mechanics and Its Applications, 2004, 335, 644-660.	1.2	71
133	Lattice gas simulation of experimentally studied evacuation dynamics. Physical Review E, 2003, 67, 067101.	0.8	280
134	A section-based queueing-theoretical traffic model for congestion and travel time analysis in networks. Journal of Physics A, 2003, 36, L593-L598.	1.6	65
135	Volatile decision dynamics: experiments, stochastic description, intermittency control and traffic optimization. New Journal of Physics, 2002, 4, 33-33.	1.2	55
136	Traffic and related self-driven many-particle systems. Reviews of Modern Physics, 2001, 73, 1067-1141.	16.4	2,746
137	MASTER: macroscopic traffic simulation based on a gas-kinetic, non-local traffic model. Transportation Research Part B: Methodological, 2001, 35, 183-211.	2.8	188
138	Self-Organizing Pedestrian Movement. Environment and Planning B: Planning and Design, 2001, 28, 361-383.	1.7	561
139	Die wundervolle Welt aktiver Vielteilchensysteme: Autos, Fußgänger, Vögel oder andere "motorisierte" Teilchen lassen sich durch relativ einfache Verallgemeinerungen der Newtonschen Gleichungen beschreiben. Physik Journal, 2001, 57, 27-33.	0.1	11
140	Simulating dynamical features of escape panic. Nature, 2000, 407, 487-490.	13.7	3,857
141	Freezing by Heating in a Driven Mesoscopic System. Physical Review Letters, 2000, 84, 1240-1243.	2.9	425
142	Congested traffic states in empirical observations and microscopic simulations. Physical Review E, 2000, 62, 1805-1824.	0.8	2,876
143	Optimal self-organization. New Journal of Physics, 1999, 1, 13-13.	1.2	124
144	Derivation, properties, and simulation of a gas-kinetic-based, nonlocal traffic model. Physical Review E, 1999, 59, 239-253.	0.8	308

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145	Macroscopic dynamics of multilane traffic. <i>Physical Review E</i> , 1999, 59, 6328-6339.	0.8	109
146	Cellular automata simulating experimental properties of traffic flow. <i>Physical Review E</i> , 1999, 59, R2505-R2508.	0.8	119
147	Phase Diagram of Traffic States in the Presence of Inhomogeneities. <i>Physical Review Letters</i> , 1999, 82, 4360-4363.	2.9	244
148	Enskog equations for traffic flow evaluated up to Navier-Stokes order. <i>Archive for History of Exact Sciences</i> , 1998, 1, 21-31.	0.2	22
149	Coherent moving states in highway traffic. <i>Nature</i> , 1998, 396, 738-740.	13.7	176
150	Generalized force model of traffic dynamics. <i>Physical Review E</i> , 1998, 58, 133-138.	0.8	958
151	Gas-Kinetic-Based Traffic Model Explaining Observed Hysteretic Phase Transition. <i>Physical Review Letters</i> , 1998, 81, 3042-3045.	2.9	287
152	Active walker model for the formation of human and animal trail systems. <i>Physical Review E</i> , 1997, 56, 2527-2539.	0.8	213
153	Traffic Data and Their Implications for Consistent Traffic Flow Modeling. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1997, 30, 781-786.	0.4	0
154	Fundamentals of traffic flow. <i>Physical Review E</i> , 1997, 55, 3735-3738.	0.8	81
155	Modelling the evolution of human trail systems. <i>Nature</i> , 1997, 388, 47-50.	13.7	304
156	Modeling multi-lane traffic flow with queuing effects. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1997, 242, 175-194.	1.2	59
157	Gas-kinetic derivation of Navier-Stokes-like traffic equations. <i>Physical Review E</i> , 1996, 53, 2366-2381.	0.8	247
158	Derivation and empirical validation of a refined traffic flow model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1996, 233, 253-282.	1.2	98
159	A stochastic behavioral model and a ?Microscopic? foundation of evolutionary game theory. <i>Theory and Decision</i> , 1996, 40, 149-179.	0.5	57
160	Social force model for pedestrian dynamics. <i>Physical Review E</i> , 1995, 51, 4282-4286.	0.8	4,449
161	Improved fluid-dynamic model for vehicular traffic. <i>Physical Review E</i> , 1995, 51, 3164-3169.	0.8	161
162	A mathematical model for the behavior of individuals in a social field. <i>Journal of Mathematical Sociology</i> , 1994, 19, 189-219.	0.6	83

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163	Boltzmann-like and Boltzmann-Fokker-Planck equations as a foundation of behavioral models. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1993, 196, 546-573.	1.2	48
164	Interrelations between stochastic equations for systems with pair interactions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1992, 181, 29-52.	1.2	67
165	A mathematical model for the behavior of pedestrians. <i>Systems Research and Behavioral Science</i> , 1991, 36, 298-310.	0.2	258
166	A New Kind of Economy is Born -- Social Decision-Makers Beat the 'Homo Economicus'. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3
167	Rethinking Economics Using Complexity Theory. <i>SSRN Electronic Journal</i> , 0, , .	0.4	24
168	Sustained Cooperation by Running Away from Bad Behavior. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
169	Responding to Complexity in Socio-Economic Systems: How to Build a Smart and Resilient Society?. <i>SSRN Electronic Journal</i> , 0, , .	0.4	4
170	The Automation of Society is Next: How to Survive the Digital Revolution. <i>SSRN Electronic Journal</i> , 0, , .	0.4	31
171	Why We Need Democracy 2.0 and Capitalism 2.0 to Survive. <i>SSRN Electronic Journal</i> , 0, , .	0.4	9
172	An Extension of Asimov's Robotics Laws. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
173	Crowd Dynamics. , 0, , 449-472.		5
174	Self-organization Principles in Supply Networks and Production Systems. , 0, , 535-559.		14
175	Pluralistic Modeling of Complex Systems. <i>SSRN Electronic Journal</i> , 0, , .	0.4	16
176	From Social Datamining to Forecasting Socio-Economic Crisis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3
177	From Social Simulation to Integrative System Design. <i>SSRN Electronic Journal</i> , 0, , .	0.4	5
178	How to Save Human Lives with Complexity Science. <i>SSRN Electronic Journal</i> , 0, , .	0.4	8
179	Homo Socialis - The Road Ahead. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
180	Qualified Money - A Better Financial System for the Future. <i>SSRN Electronic Journal</i> , 0, , .	0.4	10

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181	Economics 2.0: The Natural Step Towards a Self-Regulating, Participatory Market Society. SSRN Electronic Journal, 0, , .	0.4	2
182	Disease-Induced Resource Constraints Can Trigger Explosive Pandemics. SSRN Electronic Journal, 0, , .	0.4	0
183	When Slower Is Faster. SSRN Electronic Journal, 0, , .	0.4	0
184	Wie wir eine smarte, krisenfeste, digitale Gesellschaft bauen können (How We Can Build a Smart,) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	0.4	0