

Nigel Gilbert

List of Publications by Year in descending order

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Version: 2024-02-01

111
papers

5,898
citations

126907

33
h-index

91884

69
g-index

140
all docs

140
docs citations

140
times ranked

4551
citing authors

#	ARTICLE	IF	CITATIONS
1	Adopting a Whole Systems Approach to Transport Decarbonisation, Air Quality and Health: An Online Participatory Systems Mapping Case Study in the UK. Atmosphere, 2022, 13, 492.	2.3	12
2	Policy evaluation for a complex world: Practical methods and reflections from the UK Centre for the Evaluation of Complexity across the Nexus. Evaluation, 2021, 27, 4-17.	1.8	12
3	Key questions for modelling COVID-19 exit strategies. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201405.	2.6	106
4	Computational Models That Matter During a Global Pandemic Outbreak: A Call to Action. Jasss, 2020, 23, .	1.8	89
5	Co-Designing Social Simulation Models For Policy Advise: Lessons Learned From the INFISO-SKIN Study. , 2019, , .		4
6	The role of civil society organisations in European responsible research and innovation. Journal of Responsible Innovation, 2019, 6, 25-49.	4.9	13
7	The "invisible hand" of peer review: The implications of author-referee networks on peer review in a scholarly journal. Journal of Informetrics, 2019, 13, 708-716.	2.9	28
8	Predicting Appliance Usage Status In Home Like Environments. , 2018, , .		3
9	Developing agent-based models of complex health behaviour. Health and Place, 2018, 54, 170-177.	3.3	54
10	Computational modelling for decision-making: where, why, what, who and how. Royal Society Open Science, 2018, 5, 172096.	2.4	68
11	Agent-based modelling to predict policy outcomes: A food waste recycling example. Environmental Science and Policy, 2018, 87, 85-91.	4.9	6
12	Computational Modelling of Public Policy: Reflections on Practice. Jasss, 2018, 21, .	1.8	107
13	Build two-way rapport for better policymaking. Nature, 2018, 556, 174-174.	27.8	1
14	Assessing peer review by gauging the fate of rejected manuscripts: the case of the Journal of Artificial Societies and Social Simulation. Scientometrics, 2017, 113, 533-546.	3.0	22
15	Attitudes of referees in a multidisciplinary journal: An empirical analysis. Journal of the Association for Information Science and Technology, 2017, 68, 1763-1771.	2.9	36
16	Uses of Agent-Based Modeling for Health Communication: the TELL ME Case Study. Health Communication, 2017, 32, 939-944.	3.1	12
17	Recognising Activities at Home. , 2017, , .		4
18	Using Sensors to Study Home Activities. Journal of Sensor and Actuator Networks, 2017, 6, 32.	3.9	12

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19	Sociology and Non-Equilibrium Social Science. Understanding Complex Systems, 2017, , 59-69.	0.6	3
20	Using ABM to Clarify and Refine Social Practice Theory. Advances in Intelligent Systems and Computing, 2017, , 307-319.	0.6	4
21	Introduction to the special issue on autonomous agents for agent-based modeling. Autonomous Agents and Multi-Agent Systems, 2016, 30, 1021-1022.	2.1	2
22	How to build models for government: criteria driving model acceptance in policymaking. Policy Sciences, 2016, 49, 489-504.	2.8	21
23	Self-Organizing Dynamical Systems. , 2015, , 529-534.		10
24	The Quality of Social Simulation: An Example from Research Policy Modelling. Public Administration and Information Technology, 2015, , 35-55.	1.1	7
25	Modelling Research Policy: Ex-Ante Evaluation of Complex Policy Instruments. Jasss, 2015, 18, .	1.8	16
26	Agent-Based Modelling. , 2014, , 65-84.		1
27	Complexity at the social science interface. Complexity, 2014, 19, 1-4.	1.6	17
28	A model of political voting behaviours across different countries. Physica A: Statistical Mechanics and Its Applications, 2014, 413, 609-625.	2.6	3
29	Testing Policy Options for Horizon 2020 with SKIN. Understanding Complex Systems, 2014, , 155-183.	0.6	3
30	Analysing Differential School Effectiveness Through Multilevel and Agent-Based Modelling. Jasss, 2014, 17, .	1.8	8
31	How Do Agents Make Decisions? A Survey. Jasss, 2014, 17, .	1.8	116
32	Defining Relevance and Finding Rules: An Agent-Based Model of Biomass Use in the Humber Area. Advances in Intelligent Systems and Computing, 2014, , 373-384.	0.6	0
33	Simulating Innovation: Comparing Models of Collective Knowledge, Technological Evolution and Emergent Innovation Networks. Advances in Intelligent Systems and Computing, 2014, , 189-200.	0.6	0
34	Simulating Knowledge Dynamics in Innovation Networks: An Introduction. Understanding Complex Systems, 2014, , 1-13.	0.6	3
35	Emergence and Communication in Computational Sociology. Journal for the Theory of Social Behaviour, 2013, 43, 87-110.	1.2	9
36	Agent Based Modelling. , 2013, , 247-265.		10

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37	Manifesto de CiÃªncia Social Computacional. MediaÃ§Ãµes: Revista De CiÃªncias Sociais, 2013, 18, 20.	0.1	1
38	Towards a living earth simulator. European Physical Journal: Special Topics, 2012, 214, 77-108.	2.6	26
39	Manifesto of computational social science. European Physical Journal: Special Topics, 2012, 214, 325-346.	2.6	266
40	Data and models for exploring sustainability of human well-being in global environmental change. European Physical Journal: Special Topics, 2012, 214, 519-545.	2.6	10
41	Technosocial predictive analytics for security informatics. Security Informatics, 2012, 1, .	2.5	1
42	Designing and Building an Agent-Based Model. , 2012, , 141-165.		25
43	Simulating the Role of MNCs for Knowledge and Capital Dynamics in Networks of Innovation. , 2012, , .		0
44	Viability and Resilience of Complex Systems. Understanding Complex Systems, 2011, , .	0.6	28
45	A New Model for Universityâ€Industry Links in Knowledgeâ€Based Economies[*]. Journal of Product Innovation Management, 2011, 28, 218-235.	9.5	90
46	Agency and structure: a social simulation ofÂknowledge-intensive industries. Computational and Mathematical Organization Theory, 2011, 17, 59-76.	2.0	29
47	Does cumulative advantage affect collective learning in science? An agent-based simulation. Scientometrics, 2011, 89, 437-463.	3.0	17
48	Symposium on â€œCollective representations of qualityâ€• Mind and Society, 2011, 10, 165-168.	1.3	0
49	Simulating the Social Processes of Science. Jasss, 2011, 14, .	1.8	16
50	Going back home. Computational and Mathematical Organization Theory, 2010, 16, 325-328.	2.0	0
51	'WHAT DID YOU SAY?' EMERGENT COMMUNICATION IN A MULTI-AGENT SPATIAL CONFIGURATION. International Journal of Modeling, Simulation, and Scientific Computing, 2010, 13, 469-482.	1.4	3
52	Understanding Quality in Science: A Proposal and Exploration. , 2010, , .		2
53	Injecting Data into Agent-Based Simulation. , 2010, , 177-191.		16
54	Modelling the emergence and dynamics of social and workplace segregation. Mind and Society, 2009, 8, 173-191.	1.3	10

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55	Agent-Based Modelling of Innovation Networks – The Fairytale of Spillover. Understanding Complex Systems, 2009, , 101-126.	0.6	13
56	The Epistemologies of Social Simulation Research. Lecture Notes in Computer Science, 2009, , 12-28.	1.3	7
57	GETTING AWAY FROM NUMBERS: USING QUALITATIVE OBSERVATION FOR AGENT-BASED MODELING. International Journal of Modeling, Simulation, and Scientific Computing, 2008, 11, 175-185.	1.4	46
58	Measuring wiki viability. , 2008, , .		15
59	Agent-Based Models. , 2008, , .		598
60	Démographie des communautés en ligne. Le cas des wikis. Réseaux, 2008, 26, 205-240.	0.4	4
61	SIMULATING KNOWLEDGE-GENERATION AND DISTRIBUTION PROCESSES IN INNOVATION COLLABORATIONS AND NETWORKS. Cybernetics and Systems, 2007, 38, 667-693.	2.5	47
62	A GENERIC MODEL OF COLLECTIVITIES. Cybernetics and Systems, 2007, 38, 695-706.	2.5	2
63	Learning in innovation networks: Some simulation experiments. Physica A: Statistical Mechanics and Its Applications, 2007, 378, 100-109.	2.6	66
64	Agent-based land-use models: a review of applications. Landscape Ecology, 2007, 22, 1447-1459.	4.2	689
65	Case-Based Model of Emotional Expression Influence on Work Group Socialization and Performance. , 2007, , 343-354.		0
66	History and social responses to environmental tax reform in the United Kingdom. Energy Policy, 2006, 34, 930-939.	8.8	63
67	OPEN PROBLEMS IN USING AGENT-BASED MODELS IN INDUSTRIAL AND LABOR DYNAMICS. International Journal of Modeling, Simulation, and Scientific Computing, 2004, 07, 285-288.	1.4	3
68	SIMULATING KNOWLEDGE DYNAMICS IN INNOVATION NETWORKS (SKIN). , 2004, , .		28
69	OPEN PROBLEMS IN USING AGENT-BASED MODELS IN INDUSTRIAL AND LABOUR DYNAMICS. , 2004, , .		6
70	Die Simulation von Lernen in Innovationsnetzwerken. , 2004, , 165-185.		1
71	Synthesizing experiences: Lessons to be learned from Internet-mediated simulation games. Simulation and Gaming, 2003, 34, 10-22.	1.9	51
72	Platforms and methods for agent-based modeling. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 7197-7198.	7.1	129

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73	Understanding Consumption: What Interviews with Retired Households Can Reveal about Budgetary Decisions. <i>Sociological Research Online</i> , 2001, 6, 1-12.	1.1	3
74	Hunting the Unicorn. , 2001, , 109-124.		2
75	How to build and use agent-based models in social science. <i>Mind and Society</i> , 2000, 1, 57-72.	1.3	313
76	Models, Processes and Algorithms: Towards A Simulation Toolkit. , 2000, , 3-16.		4
77	TALKING ABOUT BUDGETS: TIME AND UNCERTAINTY IN HOUSEHOLD DECISION MAKING. <i>Sociology</i> , 1999, 33, 085-103.	2.5	0
78	DECISION-MAKING PROCESSES FOR PROJECTS REQUIRING ENVIRONMENTAL IMPACT ASSESSMENT: CASE STUDIES IN SIX EUROPEAN COUNTRIES. <i>Journal of Environmental Assessment Policy and Management</i> , 1999, 01, 105-130.	7.9	8
79	Talking about Budgets: Time and Uncertainty in Household Decision Making. <i>Sociology</i> , 1999, 33, 85-103.	2.5	9
80	Simulation: A New Way of Doing Social Science. <i>American Behavioral Scientist</i> , 1999, 42, 1485-1487.	3.8	32
81	The electronic alternative: <i>Sociological Research Online</i> . <i>Learned Publishing</i> , 1997, 10, 339-343.	1.7	1
82	A Simulation of the Structure of Academic Science. <i>Sociological Research Online</i> , 1997, 2, 91-105.	1.1	140
83	A Simulation of Adaptation Mechanisms in Budgetary Decision Making. <i>Lecture Notes in Economics and Mathematical Systems</i> , 1997, , 401-418.	0.3	7
84	On the nature of rules and conversation. <i>AI and Society</i> , 1995, 9, 356-372.	4.6	2
85	Using Computer Simulation To Study Social Phenomena. <i>BMS Bulletin of Sociological Methodology/ Bulletin De Methodologie Sociologique</i> , 1995, 47, 99-111.	0.8	2
86	Dialogue management for telephone information systems. , 1992, , .		16
87	On the social organisation of organisations. <i>Computer Supported Cooperative Work</i> , 1992, 1, 95-118.	2.9	35
88	Simulating speech systems. <i>Computer Speech and Language</i> , 1991, 5, 81-99.	4.3	255
89	Participation frameworks for computer mediated communication. , 1991, , 279-291.		6
90	Expert Systems and the Public Provision of Welfare Benefit Advice. <i>Policy and Politics</i> , 1990, 18, 43-54.	2.4	4

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91	Explanation and dialogue. Knowledge Engineering Review, 1989, 4, 235-247.	2.6	26
92	Shaping Written Knowledge: The Genre and Activity of the Experimental Article in Science. Charles Bazerman. American Journal of Sociology, 1989, 95, 811-812.	0.5	0
93	Gender, Household Composition and Receipt of Domiciliary Services by Elderly Disabled People. Journal of Social Policy, 1988, 17, 153-175.	1.1	47
94	Early Retirement in a Period of High Unemployment. Journal of Social Policy, 1988, 17, 313-333.	1.1	27
95	Text, competence and logic: An exercise. Qualitative Sociology, 1986, 9, 215-236.	1.6	5
96	Replication and Mere Replication. Philosophy of the Social Sciences, 1986, 16, 21-37.	0.9	48
97	Integrating Women into Class Theory. Sociology, 1985, 19, 384-408.	2.5	70
98	Paid employment and women's health: a benefit or a source of role strain?. Sociology of Health and Illness, 1985, 7, 375-400.	2.1	104
99	Decision support in large organizations. Data Processing, 1985, 27, 28-30.	0.0	3
100	Experiments Are the Key: Participants' Histories and Historians' Histories of Science. Isis, 1984, 75, 105-125.	0.5	22
101	Warranting Scientific Belief. Social Studies of Science, 1982, 12, 383-408.	2.5	73
102	Joking Apart: Some Recommendations Concerning the Analysis of Scientific Culture. Social Studies of Science, 1982, 12, 585-613.	2.5	26
103	Accounting for Error: How Scientists Construct their Social World when they Account for Correct and Incorrect Belief. Sociology, 1982, 16, 165-183.	2.5	104
104	Putting Philosophy to Work: Karl Popper's Influence on Scientific Practice. Philosophy of the Social Sciences, 1981, 11, 389-407.	0.9	84
105	Measuring the growth of science. Scientometrics, 1978, 1, 9-34.	3.0	60
106	The Transformation of Research Findings into Scientific Knowledge. Social Studies of Science, 1976, 6, 281-306.	2.5	141
107	Problem Areas and Research Networks in Science. Sociology, 1975, 9, 187-203.	2.5	129
108	Essay Review: The Quantitative Study of Science: an Examination of the Literature. Science Studies, 1974, 4, 279-294.	0.5	48

#	ARTICLE	IF	CITATIONS
109	Multi-agent simulation applied to on-line music distribution market. , 0, , .		1
110	Agent Based Simulation for Modelling the Distribution of Online Music. , 0, , .		1
111	Starting agent-based modelling. , 0, , 11-28.		0