

# Roger White

## List of Publications by Year in descending order

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34  
papers

3,129  
citations

361388

20  
h-index

454934

30  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2012  
citing authors

#	ARTICLE	IF	CITATIONS
1	From Dynamics to Novelty: An Agent-Based Model of the Economic System. <i>Artificial Life</i> , 2022, , 1-38.	1.3	1
2	Downdating high-resolution population density maps using sealed surface cover time series. <i>Landscape and Urban Planning</i> , 2017, 160, 96-106.	7.5	8
3	Defining and simulating open-ended novelty: requirements, guidelines, and challenges. <i>Theory in Biosciences</i> , 2016, 135, 131-161.	1.4	54
4	A travel time-based variable grid approach for an activity-based cellular automata model. <i>International Journal of Geographical Information Science</i> , 2015, 29, 1757-1781.	4.8	10
5	Canadian urban regions: Trajectories of growth and change edited by Larry S. Bourne, Tom Hutton, Richard Shearmur, and Jim Simmons. <i>Canadian Geographer / Géographie Canadien</i> , 2013, 57, e9-e9.	1.5	0
6	Model testing and assessment: Perspectives from a swarm intelligence, agent-based model of forest insect infestations. <i>Computers, Environment and Urban Systems</i> , 2013, 39, 121-135.	7.1	8
7	A Generic Framework for a Combined Agent-based Market and Production Model. <i>Computational Economics</i> , 2013, 41, 425-445.	2.6	2
8	Utilizing an Urban-Regional Model (MOLAND) for Testing the Planning and Provision of Wastewater Treatment Capacity in the Dublin Region 2006â€“2026. <i>Planning Practice and Research</i> , 2012, 27, 227-248.	1.7	4
9	An agent-based model of the influence of neighbourhood design on daily trip patterns. <i>Computers, Environment and Urban Systems</i> , 2012, 36, 398-411.	7.1	13
10	An Activity-Based Cellular Automaton Model to Simulate Land-Use Dynamics. <i>Environment and Planning B: Planning and Design</i> , 2012, 39, 198-212.	1.7	39
11	Integrated modelling of population, employment and land-use change with a multiple activity-based variable grid cellular automaton. <i>International Journal of Geographical Information Science</i> , 2012, 26, 1251-1280.	4.8	68
12	Urban Development Scenarios and Probability Mapping for Greater Dublin Region: The MOLAND Model Applications. <i>Lecture Notes in Computer Science</i> , 2011, , 119-134.	1.3	6
13	A methodology for the design and development of integrated models for policy support. <i>Environmental Modelling and Software</i> , 2011, 26, 266-279.	4.5	119
14	Modeling-in-the-middle: bridging the gap between agent-based modeling and multi-objective decision-making for land use change. <i>International Journal of Geographical Information Science</i> , 2011, 25, 717-737.	4.8	34
15	Activity Based Variable Grid Cellular Automata for Urban and Regional Modelling. , 2011, , 14-29.		2
16	Developing a conceptual model of marine farming in New Zealand. <i>Marine Policy</i> , 2009, 33, 106-117.	3.2	10
17	Modeling urban growth using a variable grid cellular automaton. <i>Computers, Environment and Urban Systems</i> , 2009, 33, 35-43.	7.1	134
18	Validating and Calibrating Integrated Cellular Automata Based Models of Land Use Change. , 2008, , 185-211.		11

#	ARTICLE	IF	CITATIONS
19	Pattern based map comparisons. <i>Journal of Geographical Systems</i> , 2006, 8, 145-164.	3.1	57
20	Modeling Multi-scale Processes in a Cellular Automata Framework. , 2006, , 165-177.		6
21	Towards an automatic calibration procedure for constrained cellular automata. <i>Computers, Environment and Urban Systems</i> , 2004, 28, 149-170.	7.1	102
22	Environment Explorer: Spatial Support System for the Integrated Assessment of Socio-Economic and Environmental Policies in the Netherlands. <i>Integrated Assessment: an International Journal</i> , 2003, 4, 97-105.	0.8	73
23	Urban growth simulation from "first principles". <i>Physical Review E</i> , 2002, 66, 026204.	2.1	50
24	Urban Settlement Transitions. <i>Environment and Planning B: Planning and Design</i> , 2002, 29, 841-865.	1.7	33
25	Hierarchical fuzzy pattern matching for the regional comparison of land use maps. <i>International Journal of Geographical Information Science</i> , 2001, 15, 77-100.	4.8	122
26	Modeling Land-Use Change in a Decision-Support System for Coastal-Zone Management. <i>Environmental Modeling and Assessment</i> , 2001, 6, 123-132.	2.2	46
27	Cities and cellular automata. <i>Discrete Dynamics in Nature and Society</i> , 1998, 2, 111-125.	0.9	37
28	The use of constrained cellular automata for high-resolution modelling of urban land-use dynamics. <i>Environment and Planning B: Planning and Design</i> , 1997, 24, 323-343.	1.7	472
29	Cellular automata as the basis of integrated dynamic regional modelling. <i>Environment and Planning B: Planning and Design</i> , 1997, 24, 235-246.	1.7	411
30	Using cellular automata for integrated modelling of socio-environmental systems. <i>Environmental Monitoring and Assessment</i> , 1995, 34, 203-214.	2.7	142
31	THE SIMULATION OF URBAN SYSTEM DYNAMICS IN ATLANTIC CANADA, 1951-1991. <i>Canadian Geographer / Geographie Canadien</i> , 1995, 39, 252-262.	1.5	1
32	Urban systems dynamics and cellular automata: Fractal structures between order and chaos. <i>Chaos, Solitons and Fractals</i> , 1994, 4, 563-583.	5.1	91
33	Cellular Automata and Fractal Urban Form: A Cellular Modelling Approach to the Evolution of Urban Land-Use Patterns. <i>Environment and Planning A</i> , 1993, 25, 1175-1199.	3.6	882
34	Dynamic Central Place Theory: Results of a Simulation Approach. <i>Geographical Analysis</i> , 1977, 9, 226-243.	3.5	81