Nicholas Magliocca

List of Publications by Year
in descending order

54 papers	2,088 citations	236925 25 h-index	243625 44 g-index
55 all docs	55 docs citations	55 times ranked	3006 citing authors

#	Article	IF	Citations
1	Future drought risk in Africa: Integrating vulnerability, climate change, and population growth. Science of the Total Environment, 2019, 662, 672-686.	8.0	190
2	Beyond land cover change: towards a new generation of land use models. Current Opinion in Environmental Sustainability, 2019, 38, 77-85.	6.3	115
3	Simple or complicated agent-based models? A complicated issue. Environmental Modelling and Software, 2016, 86, 56-67.	4.5	114
4	Meta-studies in land use science: Current coverage and prospects. Ambio, 2016, 45, 15-28.	5.5	112
5	Synthesis in land change science: methodological patterns, challenges, and guidelines. Regional Environmental Change, 2015, 15, 211-226.	2.9	106
6	Resilience in the global food system. Environmental Research Letters, 2017, 12, 025010.	5.2	100
7	Closing global knowledge gaps: Producing generalized knowledge from case studies of social-ecological systems. Global Environmental Change, 2018, 50, 1-14.	7.8	98
8	An economic agent-based model of coupled housing and land markets (CHALMS). Computers, Environment and Urban Systems, 2011, 35, 183-191.	7.1	97
9	Towards decision-based global land use models for improved understanding of the Earth system. Earth System Dynamics, 2014, 5, 117-137.	7.1	88
10	Reserves and trade jointly determine exposure to food supply shocks. Environmental Research Letters, 2016, 11, 095009.	5.2	88
11	Advancing understanding of natural resource governance: a post-Ostrom research agenda. Current Opinion in Environmental Sustainability, 2020, 44, 26-34.	6.3	67
12	Modeling cocaine traffickers and counterdrug interdiction forces as a complex adaptive system. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7784-7792.	7.1	55
13	Meeting the looming policy challenge of sea-level change and human migration. Nature Climate Change, 2019, 9, 898-901.	18.8	49
14	Archetype analysis in sustainability research: methodological portfolio and analytical frontiers. Ecology and Society, 2019, 24, .	2.3	43
15	Exploring Agricultural Livelihood Transitions with an Agent-Based Virtual Laboratory: Global Forces to Local Decision-Making. PLoS ONE, 2013, 8, e73241.	2.5	43
16	Long-Term, Large-Scale Morphodynamic Effects of Artificial Dune Construction along a Barrier Island Coastline. Journal of Coastal Research, 2011, 276, 918-930.	0.3	42
17	Evolving the Anthropocene: linking multi-level selection with long-term social–ecological change. Sustainability Science, 2018, 13, 119-128.	4.9	42
18	Design and quality criteria for archetype analysis. Ecology and Society, 2019, 24, .	2.3	40

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19	Migration towards Bangladesh coastlines projected to increase with sea-level rise through 2100. Environmental Research Letters, 2021, 16, 024045.	5.2	38
20	From meta-studies to modeling: Using synthesis knowledge to build broadly applicable process-based land change models. Environmental Modelling and Software, 2015, 72, 10-20.	4.5	33
21	Understanding the role of illicit transactions in land-change dynamics. Nature Sustainability, 2020, 3, 175-181.	23.7	33
22	Zoning on the urban fringe: Results from a new approach to modeling land and housing markets. Regional Science and Urban Economics, 2012, 42, 198-210.	2.6	30
23	â€˜One Size Does Not Fit Allâ€™: A Roadmap of Purpose-Driven Mixed-Method Pathways for Sensitivity Analysis of Agent-Based Models. Jasss, 2020, 23, .	1.8	30
24	Cross-Site Comparison of Land-Use Decision-Making and Its Consequences across Land Systems with a Generalized Agent-Based Model. PLoS ONE, 2014, 9, e86179.	2.5	29
25	Exploring sprawl: Results from an economic agent-based model of land and housing markets. Ecological Economics, 2015, 113, 114-125.	5.7	29
26	Past and present biophysical redundancy of countries as a buffer to changes in food supply. Environmental Research Letters, 2016, 11, 055008.	5.2	29
27	The impacts of cocaine-trafficking on conservation governance in Central America. Global Environmental Change, 2020, 63, 102098.	7.8	29
28	Illicit Drivers of Land Use Change: Narcotrafficking and Forest Loss in Central America. Global Environmental Change, 2020, 63, 102092.	7.8	27
29	Using Patternâ€oriented Modeling (POM) to Cope with Uncertainty in Multiâ€scale Agentâ€based Models of Land Change. Transactions in GIS, 2013, 17, 883-900.	2.3	25
30	Challenges and Opportunities of Social Media Data for Socio-Environmental Systems Research. Land, 2019, 8, 107.	2.9	25
31	Ambiguous Geographies: Connecting Case Study Knowledge with Global Change Science. Annals of the American Association of Geographers, 2016, 106, 572-596.	2.2	24
32	Archetypical pathways of direct and indirect land-use change caused by Cambodia&#8217;s economic land concessions. Ecology and Society, 2019, 24, .	2.3	21
33	Direct and indirect land-use change caused by large-scale land acquisitions in Cambodia. Environmental Research Letters, 2020, 15, 024010.	5.2	21
34	Agent-Based Modeling for Integrating Human Behavior into the Foodâ€"Energyâ€"Water Nexus. Land, 2020, 9, 519.	2.9	20
35	Evolving human landscapes: a virtual laboratory approach. Journal of Land Use Science, 2016, 11, 642-671.	2.2	17
36	Emergent conservation outcomes of shared risk perception in humanâ€wildlife systems. Conservation Biology, 2020, 34, 903-914.	4.7	17

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37	Effects of Alternative Developer Decision-Making Models on the Production of Ecological Subdivision Designs: Experimental Results from an Agent-Based Model. Environment and Planning B: Planning and Design, 2014, 41, 907-927.	1.7	16
38	Why care about theories? Innovative ways of theorizing in sustainability science. Current Opinion in Environmental Sustainability, 2022, 54, 101154.	6.3	14
39	The role of subjective risk perceptions in shaping coastal development dynamics. Computers, Environment and Urban Systems, 2018, 71, 1-13.	7.1	11
40	GLOBE: Analytics for Assessing Global Representativeness. , 2014, , .		10
41	Modeling coastal land and housing markets: Understanding the competing influences of amenities and storm risks. Ocean and Coastal Management, 2018, 157, 95-110.	4.4	10
42	Farmland size, chemical fertilizers, and irrigation management effects on maize and wheat yield in Mexico. Journal of Land Use Science, 2020, 15, 532-546.	2.2	8
43	Induced coupling: an approach to modeling and managing complex human–landscape interactions. Systems Research and Behavioral Science, 2008, 25, 655-661.	1.6	7
44	Model-Based Synthesis of Locally Contingent Responses to Global Market Signals. Land, 2015, 4, 807-841.	2.9	7
45	Integrating Global Sensitivity Approaches to Deconstruct Spatial and Temporal Sensitivities of Complex Spatial Agent-Based Models. Jasss, 2018, 21, .	1.8	7
46	Designing a system for land change science meta-study. , 2013, , .		5
47	Exploring Coupled Housing and Land Market Interactions Through an Economic Agent-Based Model (CHALMS). , 2012, , 543-568.		5
48	Spatialising illicit commodity chains: Comparing coffee and cocaine. Area, 2021, 53, 501-510.	1.6	4
49	Shifting landscape suitability for cocaine trafficking through Central America in response to counterdrug interdiction. Landscape and Urban Planning, 2022, 221, 104359.	7.5	4
50	Multi-Level Influences on Center-Pivot Irrigation Adoption in Alabama. Frontiers in Sustainable Food Systems, 0, 6, .	3.9	4
51	A family of models in support of realistic drug interdiction location decision–making. Transactions in GIS, 0, , .	2.3	3
52	Explaining Sprawl with an Agent-Based Model of Exurban Land and Housing Markets. SSRN Electronic Journal, 0, , .	0.4	2
53	Zoning on the Urban Fringe: Results from a New Approach to Modeling Land and Housing Markets. SSRN Electronic Journal, 0, , .	0.4	2
54	Costa Rica's Water Paradox: Linking Rainforests and Droughts through the Water-Energy-Food-Environment Nexus in Guanacaste Province. Case Studies in the Environment, 2020, 4, 1-9.	0.7	0