Volker Grimm

List of Publications by Year
in descending order

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194 papers	18,903 citations	23567 58 h-index	14759 127 g-index
204 all docs	204 docs citations	204 times ranked	15691 citing authors

#	Article	IF	Citations
1	Energyâ€mediated responses to changing prey size and distribution in marine top predator movements and population dynamics. Journal of Animal Ecology, 2022, 91, 241-254.	2.8	11
2	The hitchhiker's guide to generic ecological-economic modelling of land-use-based biodiversity conservation policies. Ecological Modelling, 2022, 465, 109861.	2.5	11
3	Fluctuations in Density-Dependent Selection Drive the Evolution of a Pace-of-Life Syndrome Within and Between Populations. American Naturalist, 2022, 199, E124-E139.	2.1	5
4	Stabilizing microbial communities by looped mass transfer. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2117814119.	7.1	4
5	MASTIFF: A mechanistic model for cross-scale analyses of the functioning of multiple stressed riverine ecosystems. Ecological Modelling, 2022, 470, 110007.	2.5	0
6	Largeâ€scale <scp>PVA</scp> modeling of insects in cultivated grasslands: The role of dispersal in mitigating the effects of management schedules under climate change. Ecology and Evolution, 2022, 12, .	1.9	3
7	Socio-technical scales in socio-environmental modeling: Managing a system-of-systems modeling approach. Environmental Modelling and Software, 2021, 135, 104885.	4.5	38
8	Movement and Seasonal Energetics Mediate Vulnerability to Disturbance in Marine Mammal Populations. American Naturalist, 2021, 197, 296-311.	2.1	22
9	A Review of Key Features and Their Implementation in Unstructured, Structured, and Agentâ€Based Population Models for Ecological Risk Assessment. Integrated Environmental Assessment and Management, 2021, 17, 521-540.	2.9	19
10	Keeping modelling notebooks with TRACE: Good for you and good for environmental research and management support. Environmental Modelling and Software, 2021, 136, 104932.	4.5	19
11	High-resolution PVA along large environmental gradients to model the combined effects of climate change and land use timing: lessons from the large marsh grasshopper. Ecological Modelling, 2021, 440, 109355.	2.5	11
12	Honey bee colony performance affected by crop diversity and farmland structure: a modeling framework. Ecological Applications, 2021, 31, e02216.	3.8	10
13	While shoot herbivores reduce, root herbivores increase nutrient enrichmentâ€™s impact on diversity in a grassland model. Ecology, 2021, 102, e03333.	3.2	3
14	Collecting ecoâ€evolutionary data in the dark: Impediments to subterranean research and how to overcome them. Ecology and Evolution, 2021, 11, 5911-5926.	1.9	40
15	Challenges, tasks, and opportunities in modeling agent-based complex systems. Ecological Modelling, 2021, 457, 109685.	2.5	65
16	Mitigating bioenergy-driven biodiversity decline: A modelling approach with the European brown hare. Ecological Modelling, 2020, 416, 108914.	2.5	1
17	Bridging Levels from Individuals to Communities and Ecosystems: Including Adaptive Behavior and Feedbacks in Ecological Theory and Models. Bulletin of the Ecological Society of America, 2020, 101, e01648.	0.2	3
18	Three questions to ask before using model outputs for decision support. Nature Communications, 2020, 11, 4959.	12.8	40

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19	Towards a bridging concept for undesirable resilience in social-ecological systems. Global Sustainability, 2020, 3, .	3.3	33
20	Intertwined effects of defaunation, increased tree mortality and density compensation on seed dispersal. Ecography, 2020, 43, 1352-1363.	4.5	16
21	Intraspecific trait variation in personalityâ€related movement behavior promotes coexistence. Oikos, 2020, 129, 1441-1454.	2.7	14
22	Editorial: thematic series â€œIntegrating movement ecology with biodiversity researchâ€. Movement Ecology, 2020, 8, 19.	2.8	1
23	Resilience trinity: safeguarding ecosystem functioning and services across three different time horizons and decision contexts. Oikos, 2020, 129, 445-456.	2.7	33
24	Moving infections: individual movement decisions drive disease persistence in spatially structured landscapes. Oikos, 2020, 129, 651-667.	2.7	21
25	Parameter estimation for functionalâ€“structural plant models when data are scarce: using multiple patterns for rejecting unsuitable parameter sets. Annals of Botany, 2020, 126, 559-570.	2.9	3
26	Movementâ€mediated community assembly and coexistence. Biological Reviews, 2020, 95, 1073-1096.	10.4	62
27	The ODD protocol: An update with guidance to support wider and more consistent use. Ecological Modelling, 2020, 428, 109105.	2.5	6
28	The ODD Protocol for Describing Agent-Based and Other Simulation Models: A Second Update to Improve Clarity, Replication, and Structural Realism. Jasss, 2020, 23, .	1.8	349
29	Code Reusability and Transparency of Agent-Based Modeling: A Review from a Cyberinfrastructure Perspective. Geotechnologies and the Environment, 2020, , 115-134.	0.3	1
30	Exploring resilience with agent-based models: State of the art, knowledge gaps and recommendations for coping with multidimensionality. Ecological Complexity, 2019, 40, 100718.	2.9	31
31	Ecological Models: Individual-Based Models. , 2019, , 65-73.		4
32	Modeling the emergence of migratory corridors and foraging hot spots of the green sea turtle. Ecology and Evolution, 2019, 9, 10317-10342.	1.9	14
33	Effects of humanâ€induced prey depletion on large carnivores in protected areas: Lessons from modeling tiger populations in stylized spatial scenarios. Ecology and Evolution, 2019, 9, 11298-11313.	1.9	10
34	Does Animal Personality Affect Movement in Habitat Corridors? Experiments with Common Voles (Microtus arvalis) Using Different Corridor Widths. Animals, 2019, 9, 291.	2.3	11
35	A plea for consistency, transparency, and reproducibility in risk assessment effect models. Environmental Toxicology and Chemistry, 2019, 38, 9-11.	4.3	9
36	Give chance a chance: from coexistence to coviability in biodiversity theory. Ecosphere, 2019, 10, e02700.	2.2	17

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37	The dimensionality of stability depends on disturbance type. Ecology Letters, 2019, 22, 674-684.	6.4	65
38	Transferability of Mechanistic Ecological Models Is About Emergence. Trends in Ecology and Evolution, 2019, 34, 487-488.	8.7	26
39	The distribution of mycotoxins in a heterogeneous wheat field in relation to microclimate, fungal and bacterial abundance. Journal of Applied Microbiology, 2019, 126, 177-190.	3.1	14
40	Agricultural landscape generators for simulation models: A review of existing solutions and an outline of future directions. Ecological Modelling, 2019, 393, 135-151.	2.5	27
41	Delayed Chemical Defense: Timely Expulsion of Herbivores Can Reduce Competition with Neighboring Plants. American Naturalist, 2019, 193, 125-139.	2.1	22
42	From cases to general principles: A call for theory development through agent-based modeling. Ecological Modelling, 2019, 393, 153-156.	2.5	17
43	Neutral mechanisms and niche differentiation in steadyâ€state insular microbial communities revealed by single cell analysis. Environmental Microbiology, 2019, 21, 164-181.	3.8	46
44	Intraspecific trait variation increases species diversity in a traitâ€based grassland model. Oikos, 2019, 128, 441-455.	2.7	27
45	Different Modelling Purposes. Jasss, 2019, 22, .	1.8	91
46	When things don't add up: quantifying impacts of multiple stressors from individual metabolism to ecosystem processing. Ecology Letters, 2018, 21, 568-577.	6.4	105
47	Pattern-oriented modelling as a novel way to verify and validate functionalâ€“structural plant models: a demonstration with the annual growth module of avocado. Annals of Botany, 2018, 121, 941-959.	2.9	20
48	Cross-disciplinary links in environmental systems science: Current state and claimed needs identified in a meta-review of process models. Science of the Total Environment, 2018, 622-623, 954-973.	8.0	12
49	Assisting seed dispersers to restore oldfields: An individualâ€based model of the interactions among badgers, foxes and Iberian pear trees. Journal of Applied Ecology, 2018, 55, 600-611.	4.0	31
50	Modelling movements of Saimaa ringed seals using an individual-based approach. Ecological Modelling, 2018, 368, 321-335.	2.5	9
51	Ecoâ€evolutionary responses to recreational fishing under different harvest regulations. Ecology and Evolution, 2018, 8, 9600-9613.	1.9	22
52	Community consequences of foraging under fear. Ecological Modelling, 2018, 383, 80-90.	2.5	24
53	Alternaria and Fusarium Fungi: Differences in Distribution and Spore Deposition in a Topographically Heterogeneous Wheat Field. Journal of Fungi (Basel, Switzerland), 2018, 4, 63.	3.5	34
54	Predicting the impacts of anthropogenic disturbances on marine populations. Conservation Letters, 2018, 11, e12563.	5.7	79

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55	A modelling approach to evaluating the effectiveness of Ecological Focus Areas: The case of the European brown hare. Land Use Policy, 2017, 61, 63-79.	5.6	14
56	Impaired ecosystem process despite little effects on populations: modeling combined effects of warming and toxicants. Global Change Biology, 2017, 23, 2973-2989.	9.5	33
57	Predictive systems models can help elucidate bee declines driven by multiple combined stressors. Apidologie, 2017, 48, 328-339.	2.0	40
58	When, Where, and How Nature Matters for Ecosystem Services: Challenges for the Next Generation of Ecosystem Service Models. BioScience, 2017, 67, 820-833.	4.9	114
59	Documenting Social Simulation Models: The ODD Protocol as a Standard. Understanding Complex Systems, 2017, , 349-365.	0.6	16
60	The winter pack-ice zone provides a sheltered but food-poor habitat for larval Antarctic krill. Nature Ecology and Evolution, 2017, 1, 1853-1861.	7.8	96
61	Next-Generation Individual-Based Models Integrate Biodiversity and Ecosystems: Yes We Can, and Yes We Must. Ecosystems, 2017, 20, 229-236.	3.4	77
62	Agent-Based Modelling of Social-Ecological Systems: Achievements, Challenges, and a Way Forward. Jasss, 2017, 20, .	1.8	139
63	Allee effect in polar bears: a potential consequence of polychlorinated biphenyl contamination. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161883.	2.6	11
64	Structural realism, emergence, and predictions in next-generation ecological modelling: Synthesis from a special issue. Ecological Modelling, 2016, 326, 177-187.	2.5	73
65	Monodominance in tropical forests: modelling reveals emerging clusters and phase transitions. Journal of the Royal Society Interface, 2016, 13, 20160123.	3.4	11
66	Reintroducing Environmental Change Drivers in Biodiversityâ€“Ecosystem Functioning Research. Trends in Ecology and Evolution, 2016, 31, 905-915.	8.7	110
67	BEESCOUT: A model of bee scouting behaviour and a software tool for characterizing nectar/pollen landscapes for BEEHAVE. Ecological Modelling, 2016, 340, 126-133.	2.5	48
68	How to use mechanistic effect models in environmental risk assessment of pesticides: Case studies and recommendations from the SETAC workshop MODELINK. Integrated Environmental Assessment and Management, 2016, 12, 21-31.	2.9	34
69	Scaleâ€dependent role of demography and dispersal on the distribution of populations in heterogeneous landscapes. Oikos, 2016, 125, 667-673.	2.7	3
70	Asymmetric facilitation can reduce size inequality in plant populations resulting in delayed densityâ€dependent mortality. Oikos, 2016, 125, 1153-1161.	2.7	14
71	Multiple stressors: using the honeybee model BEEHAVE to explore how spatial and temporal forage stress affects colony resilience. Oikos, 2016, 125, 1001-1016.	2.7	57
72	Simple or complex: Relative impact of data availability and model purpose on the choice of model types for population viability analyses. Ecological Modelling, 2016, 323, 87-95.	2.5	40

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73	InSTREAM-Gen: Modelling eco-evolutionary dynamics of trout populations under anthropogenic environmental change. Ecological Modelling, 2016, 326, 36-53.	2.5	53
74	Modeling Population-Level Consequences of Polychlorinated Biphenyl Exposure in East Greenland Polar Bears. Archives of Environmental Contamination and Toxicology, 2016, 70, 143-154.	4.1	14
75	Robustness analysis: Deconstructing computational models for ecological theory and applications. Ecological Modelling, 2016, 326, 162-167.	2.5	69
76	Biodiversity and ecosystem functioning decoupled: invariant ecosystem functioning despite nonâ€random reductions in consumer diversity. Oikos, 2016, 125, 424-433.	2.7	18
77	Merging trait-based and individual-based modelling: An animal functional type approach to explore the responses of birds to climatic and land use changes in semi-arid African savannas. Ecological Modelling, 2016, 326, 75-89.	2.5	16
78	Modelling harvesting strategies for the lobster fishery in northern Europe: the importance of protecting eggâ€bearing females. Population Ecology, 2015, 57, 237-251.	1.2	6
79	How biological clocks and changing environmental conditions determine local population growth and species distribution in Antarctic krill (Euphausia superba): a conceptual model. Ecological Modelling, 2015, 303, 78-86.	2.5	25
80	Per Aspera ad Astra: Through Complex Population Modeling to Predictive Theory. American Naturalist, 2015, 186, 669-674.	2.1	23
81	Modeling tiger population and territory dynamics using an agent-based approach. Ecological Modelling, 2015, 312, 347-362.	2.5	56
82	Replicating and breaking models: good for you and good for ecology. Oikos, 2015, 124, 691-696.	2.7	38
83	Making Predictions in a Changing World: The Benefits of Individual-Based Ecology. BioScience, 2015, 65, 140-150.	4.9	136
84	The role of belowground competition and plastic biomass allocation in altering plant massâ€“density relationships. Oikos, 2014, 123, 248-256.	2.7	25
85	Individual-based models in ecology after four decades. F1000prime Reports, 2014, 6, 39.	5.9	216
86	Merging validation and evaluation of ecological models to â€˜evaludationâ€™: A review of terminology and a practical approach. Ecological Modelling, 2014, 280, 117-128.	2.5	193
87	Appropriate resolution in time and model structure for population viability analysis: Insights from a butterfly metapopulation. Biological Conservation, 2014, 169, 345-354.	4.1	10
88	Limitations of extrapolating toxic effects on reproduction to the population level. Ecological Applications, 2014, 24, 1972-1983.	3.8	36
89	Two pairs of eyes are better than one: Combining individual-based and matrix models for ecological risk assessment of chemicals. Ecological Modelling, 2014, 280, 40-52.	2.5	21
90	<scp>BEEHAVE</scp>: a systems model of honeybee colony dynamics and foraging to explore multifactorial causes of colony failure. Journal of Applied Ecology, 2014, 51, 470-482.	4.0	219

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91	Bird sky networks: How do avian scavengers use social information to find carrion?. Ecology, 2014, 95, 1799-1808.	3.2	97
92	Pattern-oriented parameterization of general models for ecological application: Towards realistic evaluations of management approaches. Ecological Modelling, 2014, 275, 78-88.	2.5	26
93	Coupling different mechanistic effect models for capturing individual- and population-level effects of chemicals: Lessons from a case where standard risk assessment failed. Ecological Modelling, 2014, 280, 18-29.	2.5	29
94	Towards better modelling and decision support: Documenting model development, testing, and analysis using TRACE. Ecological Modelling, 2014, 280, 129-139.	2.5	185
95	Resilience, Self-Organization, Complexity and Pattern Formation. , 2014, , 55-84.		4
96	The Evolutionary Consequences of Disrupted Male Mating Signals: An Agent-Based Modelling Exploration of Endocrine Disrupting Chemicals in the Guppy. PLoS ONE, 2014, 9, e103100.	2.5	9
97	Field Metabolic Rate and PCB Adipose Tissue Deposition Efficiency in East Greenland Polar Bears Derived from Contaminant Monitoring Data. PLoS ONE, 2014, 9, e104037.	2.5	9
98	Facilitating Parameter Estimation and Sensitivity Analysis of Agent-Based Models: A Cookbook Using NetLogo and 'R'. Jasss, 2014, 17, .	1.8	198
99	Assessment of Patterns in Ecogeomorphic Systems. , 2014, , 247-264.		0
100	Mighty small: Observing and modeling individual microbes becomes big science. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18027-18028.	7.1	54
101	Extrapolating ecotoxicological effects from individuals to populations: a generic approach based on Dynamic Energy Budget theory and individual-based modeling. Ecotoxicology, 2013, 22, 574-583.	2.4	80
102	Population-level consequences of spatially heterogeneous exposure to heavy metals in soil: An individual-based model of springtails. Ecological Modelling, 2013, 250, 338-351.	2.5	29
103	Behind the scenes of population viability modeling: Predicting butterfly metapopulation dynamics under climate change. Ecological Modelling, 2013, 259, 62-73.	2.5	13
104	How can we bring together empiricists and modellers in functional biodiversity research?. Basic and Applied Ecology, 2013, 14, 93-101.	2.7	24
105	Do simple models lead to generality in ecology?. Trends in Ecology and Evolution, 2013, 28, 578-583.	8.7	215
106	Documenting Social Simulation Models: The ODD Protocol as a Standard. Understanding Complex Systems, 2013, , 117-133.	0.6	19
107	Representing the acquisition and use of energy by individuals in agentâ€based models of animal populations. Methods in Ecology and Evolution, 2013, 4, 151-161.	5.2	126
108	Predicting Population Dynamics from the Properties of Individuals: A Cross-Level Test of Dynamic Energy Budget Theory. American Naturalist, 2013, 181, 506-519.	2.1	95

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109	Linking pesticide exposure and spatial dynamics: An individual-based model of wood mouse (Apodemus) Tj ETQq1 1 0.784314 rgBT /Ov	2.5	33
110	Mechanistic effect modeling for ecological risk assessment: Where to go from here?. Integrated Environmental Assessment and Management, 2013, 9, e58-63.	2.9	31
111	REVIEW: Towards a systems approach for understanding honeybee decline: a stocktaking and synthesis of existing models. Journal of Applied Ecology, 2013, 50, 868-880.	4.0	154
112	Predictive systems ecology. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20131452.	2.6	114
113	Chemical and natural stressors combined: from cryptic effects to population extinction. Scientific Reports, 2013, 3, 2036.	3.3	65
114	Modeling implications of food resource aggregation on animal migration phenology. Ecology and Evolution, 2013, 3, 2535-2546.	1.9	8
115	Plant Interactions Alter the Predictions of Metabolic Scaling Theory. PLoS ONE, 2013, 8, e57612.	2.5	26
116	Differences between symmetric and asymmetric facilitation matter: exploring the interplay between modes of positive and negative plant interactions. Journal of Ecology, 2012, 100, 1482-1491.	4.0	64
117	Pattern-oriented modelling: a â€˜multi-scopeâ€™ for predictive systems ecology. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 298-310.	4.0	322
118	Establishment probability in newly founded populations. BMC Research Notes, 2012, 5, 313.	1.4	2
119	Post-Hoc Pattern-Oriented Testing and Tuning of an Existing Large Model: Lessons from the Field Vole. PLoS ONE, 2012, 7, e45872.	2.5	29
120	Uncertainty in predictions of range dynamics: black grouse climbing the Swiss Alps. Ecography, 2012, 35, 590-603.	4.5	57
121	Dynamic Energy Budget theory meets individualâ€based modelling: a generic and accessible implementation. Methods in Ecology and Evolution, 2012, 3, 445-449.	5.2	116
122	RNETLOGO: an R package for running and exploring individualâ€based models implemented in NETLOGO. Methods in Ecology and Evolution, 2012, 3, 480-483.	5.2	58
123	Designing, Formulating, and Communicating Agent-Based Models. , 2012, , 361-377.		24
124	Adding Value to Ecological Risk Assessment with Population Modeling. Human and Ecological Risk Assessment (HERA), 2011, 17, 287-299.	3.4	90
125	Understanding Shifts in Wildfire Regimes as Emergent Threshold Phenomena. American Naturalist, 2011, 178, E149-E161.	2.1	20
126	What Is Resilience? A Short Introduction. Understanding Complex Systems, 2011, , 3-13.	0.6	21

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127	Bridging the Gap Between Computational Models and Viability Based Resilience in Savanna Ecosystems. Understanding Complex Systems, 2011, , 107-130.	0.6	0
128	Neutral communities may lead to decreasing diversity-disturbance relationships: insights from a generic simulation model. Ecology Letters, 2011, 14, 653-660.	6.4	49
129	Integrating individual search and navigation behaviors in mechanistic movement models. Theoretical Ecology, 2011, 4, 341-355.	1.0	58
130	Predicting the threats of chemicals to wildlife: What are the challenges?. Integrated Environmental Assessment and Management, 2011, 7, 499-501.	2.9	7
131	Modelling dead wood islands in European beech forests: how much and how reliably would they provide dead wood?. European Journal of Forest Research, 2010, 129, 659-668.	2.5	20
132	Wildfire, landscape diversity and the Drosselâ€“Schwabl model. Ecological Modelling, 2010, 221, 98-105.	2.5	46
133	The ODD protocol: A review and first update. Ecological Modelling, 2010, 221, 2760-2768.	2.5	1,913
134	Ecological models and pesticide risk assessment: Current modeling practice. Environmental Toxicology and Chemistry, 2010, 29, 1006-1012.	4.3	113
135	Population models in pesticide risk assessment: Lessons for assessing populationâ€level effects, recovery, and alternative exposure scenarios from modeling a small mammal. Environmental Toxicology and Chemistry, 2010, 29, 1292-1300.	4.3	39
136	Integrating population modeling into ecological risk assessment. Integrated Environmental Assessment and Management, 2010, 6, 191-193.	2.9	46
137	NetLogo meets R: Linking agent-based models with a toolbox for their analysis. Environmental Modelling and Software, 2010, 25, 972-974.	4.5	51
138	The virtual ecologist approach: simulating data and observers. Oikos, 2010, 119, 622-635.	2.7	242
139	The Independent and Interactive Effects of Treeâ€Tree Establishment Competition and Fire on Savanna Structure and Dynamics. American Naturalist, 2010, 175, E44-E65.	2.1	36
140	Ecological models supporting environmental decision making: a strategy for the future. Trends in Ecology and Evolution, 2010, 25, 479-486.	8.7	342
141	Interacting effects of habitat destruction and changing disturbance rates on biodiversity: Who is going to survive?. Ecological Modelling, 2010, 221, 2776-2783.	2.5	11
142	Model the Real, Artificial, or Stylized Iguana? Artificial Life and Adaptive Behavior Can Be Linked Through Pattern-Oriented Modeling. Adaptive Behavior, 2009, 17, 309-312.	1.9	0
143	Proposing an information criterion for individual-based models developed in a pattern-oriented modelling framework. Ecological Modelling, 2009, 220, 1957-1967.	2.5	42
144	Mechanistic effect models for ecological risk assessment of chemicals (MEMoRisk)â€"a new SETAC-Europe Advisory Group. Environmental Science and Pollution Research, 2009, 16, 250-252.	5.3	32

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145	CREAM: a European project on mechanistic effect models for ecological risk assessment of chemicals. Environmental Science and Pollution Research, 2009, 16, 614-617.	5.3	63
146	Individual variations in infectiousness explain longâ€term disease persistence in wildlife populations. Oikos, 2009, 118, 199-208.	2.7	63
147	Reversed effects of grazing on plant diversity: the role of belowâ€ground competition and size symmetry. Oikos, 2009, 118, 1830-1843.	2.7	72
148	Unifying Wildfire Models from Ecology and Statistical Physics. American Naturalist, 2009, 174, E170-E185.	2.1	67
149	Ecological models in support of regulatory risk assessments of pesticides: developing a strategy for the future. Integrated Environmental Assessment and Management, 2009, 5, 167-172.	2.9	100
150	Dogs on the catwalk: Modelling re-introduction and translocation of endangered wild dogs in South Africa. Biological Conservation, 2009, 142, 2774-2781.	4.1	42
151	The Potential for the Use of Agent-Based Models in Ecotoxicology. Emerging Topics in Ecotoxicology, 2009, , 205-235.	1.5	13
152	Clumped versus scattered: how does the spatial correlation of disturbance events affect biodiversity?. Theoretical Ecology, 2008, 1, 231-240.	1.0	30
153	Ecosystem oceanography for global change in fisheries. Trends in Ecology and Evolution, 2008, 23, 338-346.	8.7	259
154	Competition among plants: Concepts, individual-based modelling approaches, and a proposal for a future research strategy. Perspectives in Plant Ecology, Evolution and Systematics, 2008, 9, 121-135.	2.7	150
155	Individual-Based Models. , 2008, , 1959-1968.		4
156	Breeding synchrony in colonial birds: from local stress to global harmony. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 1557-1564.	2.6	35
157	Pattern-oriented modelling for estimating unknown pre-breeding survival rates: The case of the Lesser Spotted Woodpecker (Picoides minor). Biological Conservation, 2007, 135, 555-564.	4.1	32
158	Patterns for parameters in simulation models. Ecological Modelling, 2007, 204, 553-556.	2.5	68
159	Simulating cryptic movements of a mangrove crab: Recovery phenomena after small scale fishery. Ecological Modelling, 2007, 205, 110-122.	2.5	39
160	Home range dynamics and population regulation: An individual-based model of the common shrew Sorex araneus. Ecological Modelling, 2007, 205, 397-409.	2.5	95
161	What you see is where you go? Modeling dispersal in mountainous landscapes. Landscape Ecology, 2007, 22, 853-866.	4.2	40
162	Modeling Adaptive Behavior in Event-Driven Environments. , 2007, , 59-77.		2

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163	Agent-Based Models in Ecology: Patterns and Alternative Theories of Adaptive Behaviour. , 2006, , 139-152.		20
164	Ecological-Economic Modeling for Biodiversity Management: Potential, Pitfalls, and Prospects. Conservation Biology, 2006, 20, 1034-1041.	4.7	123
165	Behavioural flexibility in the mating system buffers population extinction: lessons from the lesser spotted woodpecker Picoides minor. Journal of Animal Ecology, 2006, 75, 540-548.	2.8	31
166	Diversity and Disturbances in the Antarctic Megabenthos: Feasible versus Theoretical Disturbance Ranges. Ecosystems, 2006, 9, 1145-1155.	3.4	26
167	How to detect and visualize extinction thresholds for structured PVA models. Ecological Modelling, 2006, 191, 545-550.	2.5	13
168	A standard protocol for describing individual-based and agent-based models. Ecological Modelling, 2006, 198, 115-126.	2.5	2,219
169	Importance of Buffer Mechanisms for Population Viability Analysis. Conservation Biology, 2005, 19, 578-580.	4.7	48
170	Pattern-Oriented Modeling of Agent-Based Complex Systems: Lessons from Ecology. Science, 2005, 310, 987-991.	12.6	1,685
171	Mitigation of climate change impacts on raptors by behavioural adaptation: ecological buffering mechanisms. Global and Planetary Change, 2005, 47, 273-281.	3.5	12
172	Individual-based Modeling and Ecology. , 2005, , .		985
173	The intrinsic mean time to extinction: a unifying approach to analysing persistence and viability of populations. Oikos, 2004, 105, 501-511.	2.7	130
174	META-X: Generic Software for Metapopulation Viability Analysis. Biodiversity and Conservation, 2004, 13, 165-188.	2.6	35
175	Reconstructing spatiotemporal dynamics of Central European natural beech forests: the rule-based forest model BEFORE. Forest Ecology and Management, 2004, 194, 349-368.	3.2	91
176	Modelling the role of social behavior in the persistence of the alpine marmot Marmota marmota. Oikos, 2003, 102, 124-136.	2.7	52
177	Using pattern-oriented modeling for revealing hidden information: a key for reconciling ecological theory and application. Oikos, 2003, 100, 209-222.	2.7	289
178	Seeing the Forest for the Trees, and Vice Versa. , 2003, , 411-428.		10
179	VISUAL DEBUGGING: A WAY OF ANALYZING, UNDERSTANDING AND COMMUNICATING BOTTOMâ€UP SIMULATION MODELS IN ECOLOGY. Natural Resource Modelling, 2002, 15, 23-38.	2.0	46
180	Visual debugging: a way of analyzing, understanding and communicating bottom-up simulation models in ecology. , 2002, 15, 23-38.		3

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181	Was charakterisiert BuchenurwÃlder? Untersuchungen der Altersstruktur des Kronendachs und der rÃumlichen Verteilung der Baumriesen in einem Modellwald mit Hilfe des Simulationsmodells BEFORE. European Journal of Forest Research, 2001, 120, 288-302.	0.3	18
182	Ecological buffering mechanisms in savannas: A unifying theory of long-term tree-grass coexistence. Plant Ecology, 2000, 150, 161-171.	1.6	234
183	Minimum viable population size of capercaillieTetrao urogallus: results from a stochastic model. Wildlife Biology, 2000, 6, 219-225.	1.4	53
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