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663	Forecasting climate-induced changes in the survival of Snake River spring/summer Chinook salmon (<i>Oncorhynchus tshawytscha</i>). 2005 , 14, 448-457	82
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661	Latin hypercube sampling and geostatistical modeling of spatial uncertainty in a spatially explicit forest landscape model simulation. 2005 , 185, 255-269	63
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657	Predictive spatial modelling of landscape change in the Foothills Model Forest. 2005 , 81, 525-537	6

656 Ecological Models and Satellite Imagery. **2005**, 86, 326-330

655 The Why? and the So what? of riverine landscapes. **2005**, 248-256

1

654 Bibliography. **2005**, 357-413

653 A framework for ecosystem impacts assessment using an indicator approach. **2005**, 62, 592-597

47

652 Bayesian calibration of process-based forest models: bridging the gap between models and data. **2005**, 25, 915-27

259

651 Profile of Stephen R. Carpenter. **2005**, 102, 9999-10001

15

650 The success of animal invaders. **2005**, 102, 7055-6

27

649 ECOLOGICAL SUPPORT FOR RURAL LAND-USE PLANNING. **2005**, 15, 1906-1914

68

648 The relationship between community diversity and exotic plants: cause or consequence of invasion?. **2005**, 97-114

4

647 Research methodologies and statistical approaches for multitactic systems. **2005**, 53, 393-403

8

646 Justification for site-specific weed management based on ecology and economics. **2005**, 53, 221-227

21

645 The importance of recruitment for the production dynamics of stream-dwelling brown trout (*Salmo trutta*). **2005**, 62, 2484-2493

29

644 Inadmissible evidence: knowledge and prediction in land and riverscapes. **2005**, 304, 3-19

72

643 Ecological modeling for applied science. **2005**, 86, 319

2

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10

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101

640 Invasive Plants: Ecological and Agricultural Aspects. **2005**,

9

639 Living on the Edge of Two Changing Worlds: Forecasting the Responses of Rocky Intertidal Ecosystems to Climate Change. **2006**, 37, 373-404

483

638	Ecohydrology of water-limited environments: A scientific vision. 2006 , 42,	348
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622	Variation in Streamwater Chemistry Throughout the Hubbard Brook Valley. 2006 , 78, 1-30	79
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620	Convergence and contingency in production-precipitation relationships in North American and South African C4 grasslands. 2006 , 149, 456-64	63
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610	Modelling the impacts of payments for biodiversity conservation on regional land-use patterns. 2007 , 83, 255-267	16
609	Synthesis of the NEMURO model studies and future directions of marine ecosystem modeling. 2007 , 202, 211-223	28
608	Potential Distribution of Alien Invasive Species and Risk Assessment: a Case Study of <i>Erwinia amylovora</i> in China. 2007 , 6, 688-695	4
607	Terrestrial Ecosystems in a Changing World. 2007 ,	43
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594	Food web structure and interaction strength pave the way for vulnerability to extinction. 2007 , 249, 77-92	7
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575	A hierarchical Bayesian non-linear spatio-temporal model for the spread of invasive species with application to the Eurasian Collared-Dove. 2008 , 15, 59-70	99
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572	Extinction risk scales better to generations than to years. 2008 , 11, 442-451	32
571	Assessing the impact of climate variation on survival in vertebrate populations. 2008 , 83, 357-99	289
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569	Scaling environmental change through the community-level: a trait-based response-and-effect framework for plants. 2008 , 14, 1125-1140	780
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557	Forecasting relative impacts of land use on anadromous fish habitat to guide conservation planning. 2008 , 18, 467-82	31
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555	Taking Ocean Research Results to Applications: Examples and Lessons from US GLOBEC. 2009 , 22, 232-241	2
554	The dynamics of cultivation and floods in arable lands of Central Argentina. 2009 , 13, 491-502	34
553	. 2009 ,	25
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550	Hierarchical Modeling and Inference in Ecology - Pages 417-437. 2009 , 417-437	
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536	Profiling ecosystem vulnerability to invasion by zebra mussels with support vector machines. 2009 , 2, 189-198	20
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531	The rise of research on futures in ecology: rebalancing scenarios and predictions. 2009 , 12, 1277-86	65

530	A predictive framework to understand forest responses to global change. 2009 , 1162, 221-36	15
529	Identifying reefs of hope and hopeful actions: contextualizing environmental, ecological, and social parameters to respond effectively to climate change. 2009 , 23, 662-71	50
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527	Learning hierarchical models: advice for the rest of us. 2009 , 19, 588-92	16
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496	A stochastic Forest Fire Model for future land cover scenarios assessment. 2010 , 10, 2161-2167	4
495	Ecological forecasting under climate change: the case of Baltic cod. 2010 , 277, 2121-30	70

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493	Achieving Climate Sustainability. 2010 , 91, 197-208	
492	Repeatability and transparency in ecological research. 2010 , 91, 2536-9	57
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489	Paths to statistical fluency for ecologists. 2010 , 8, 362-370	24
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486	Conservation planning for imperiled aquatic species in an urbanizing environment. 2010 , 97, 11-21	17
485	An economic framework for forecasting land-use and ecosystem change. 2010 , 32, 98-116	16
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474	Inferring ecosystem parameters from observation of vegetation patterns. 2011 , 38, n/a-n/a	6
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468	Review on the Application of Ecosystem Models in Biodiversity Analyses. 2011 , 4,	
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462	Factors driving spatial and temporal variation in production and production / biomass ratio of stream-resident brown trout (<i>Salmo trutta</i>) in Cantabrian streams. 2011 , 56, 2272-2287	12
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460	Multiple successional pathways of boreal forest stands in central Canada. 2011 , 34, 208-219	94
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453	Models of lake invasibility by <i>Bythotrephes longimanus</i> , a non-indigenous zooplankton. 2011 , 13, 2459-2476	11
452	Assessing the invasive potential of the Mediterranean fruit fly in California and Italy. 2011 , 13, 2661-2676	30
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450	Growing Season Length and Soil Moisture Interactively Constrain High Elevation Aboveground Net Primary Production. 2011 , 14, 963-974	58
449	Effective control of aquatic invasive species in tropical Australia. 2011 , 48, 568-76	3
448	Projected Reorganization of Florida Bay Seagrass Communities in Response to the Increased Freshwater Inflow of Everglades Restoration. 2011 , 34, 973-992	31
447	Current models broadly neglect specific needs of biodiversity conservation in protected areas under climate change. 2011 , 11, 12	21
446	Integration of numerical modeling and Bayesian analysis for setting water quality criteria in Hamilton Harbour, Ontario, Canada. 2011 , 26, 337-353	51
445	Uncertainty analysis of forest carbon sink forecast with varying measurement errors: a data assimilation approach. 2011 , 4, 178-191	12
444	Simulating landscape-scale effects of fuels treatments in the Sierra Nevada, California, USA. 2011 , 20, 364	62
443	The limits to prediction in ecological systems. 2011 , 2, art125	66
442	The resilience of big river basins. 2011 , 36, 63-95	16
441	Ecological forecasting and data assimilation in a data-rich era. 2011 , 21, 1429-42	172

440	Potential impacts of climate change on Northeast Pacific marine foodwebs and fisheries. 2011 , 68, 1217-1229	124
439	Predictive ecology: systems approaches. 2012 , 367, 163-9	89
438	Disentangling effects of uncertainties on population projections: climate change impact on an epixylic bryophyte. 2012 , 279, 3098-105	13
437	Modelling ecological systems in a changing world. 2012 , 367, 181-90	112
436	Atmospheric CO2 forces abrupt vegetation shifts locally, but not globally. 2012 , 488, 209-12	264
435	Reassessment of the 2010-2011 Haiti cholera outbreak and rainfall-driven multiseason projections. 2012 , 109, 6602-7	132
434	Modeling photosynthesis of <i>Spartina alterniflora</i> (smooth cordgrass) impacted by the Deepwater Horizon oil spill using Bayesian inference. 2012 , 7, 045302	14
433	Public parks management via mathematical tools. 2012 , 89, 1808-1825	4
432	Multidimensional trade-offs in species responses to disturbance: implications for diversity in a subtropical forest. 2012 , 93, 191-205	58
431	Agent-Based Models [Because They]e Worth It?. 2012 , 109-123	18
430	Density-dependent mortality in adults, but not juveniles, of stream-resident brown trout (<i>Salmo trutta</i>). 2012 , 57, 2181-2189	22
429	Interannual Variability in <i>Ostreopsis Ovata</i> Bloom Dynamic along Genoa Coast (North-Western Mediterranean): A Preliminary Modeling Approach. 2012 , 33, 181-189	11
428	Prediction of benthic community structure from environmental variables in a soft-sediment tidal basin (North Sea). 2012 , 66, 345-361	10
427	Application of a Full Hierarchical Bayesian Model in Assessing Streamflow Response to a Climate Change Scenario at the Coweeta Basin, NC, USA. 2012 , 3, 118-128	9
426	Climate change biology as a predictive science?. 2012 , 27, 365-366	1
425	Surprises and Insights from Long-Term Aquatic Data Sets and Experiments. 2012 , 62, 709-721	75
424	Scaling effects and spatio-temporal multilevel dynamics in epileptic seizures. 2012 , 7, e30371	52
423	perspective: Losing time? Incorporating a deeper temporal perspective into modern ecology. 2012 , 4,	

4 ²²	A proxy for high-resolution regional reanalysis for the Southeast United States: assessment of precipitation variability in dynamically downscaled reanalyses. 2012 , 38, 2449-2466	38
4 ²¹	Spatially explicit land-use and land-cover scenarios for the Great Plains of the United States. 2012 , 153, 1-15	96
4 ²⁰	Forecasting plant community impacts of climate variability and change: when do competitive interactions matter?. 2012 , 100, 478-487	105
4 ¹⁹	A Bayesian synthesis of predictions from different models for setting water quality criteria. 2012 , 242, 127-145	37
4 ¹⁸	Using model-data fusion to interpret past trends, and quantify uncertainties in future projections, of terrestrial ecosystem carbon cycling. 2012 , 18, 2555-2569	135
4 ¹⁷	The influence of mean climate trends and climate variance on beaver survival and recruitment dynamics. 2012 , 18, 2730-42	50
4 ¹⁶	Correlation and process in species distribution models: bridging a dichotomy. 2012 , 39, 2119-2131	414
4 ¹⁵	Forecasting phenology: from species variability to community patterns. 2012 , 15, 545-53	141
4 ¹⁴	Toward a conceptual synthesis for climate change responses. 2012 , 21, 693-703	61
4 ¹³	Ecology and eScience. 2012 , 1,	6
4 ¹²	Synthesis in Estuarine and Coastal Ecological Research: What Is It, Why Is It Important, and How Do We Teach It?. 2012 , 35, 1-22	23
4 ¹¹	Riparian vegetation responses to altered flow regimes driven by climate change in Mediterranean rivers. 2013 , 6, 413-424	48
4 ¹⁰	LINKING RIVER MANAGEMENT TO SPECIES CONSERVATION USING DYNAMIC LANDSCAPE-SCALE MODELS. 2013 , 29, 906-918	20
4 ⁰⁹	A perspective on the history and evolution of an Oceans and Human Health "metadiscipline" in the USA. 2013 , 65, 880-8	8
4 ⁰⁸	Sustainable Agriculture Reviews. 2013 ,	6
4 ⁰⁷	Domestic and industrial water uses of the past 60 years as a mirror of socio-economic development: A global simulation study. 2013 , 23, 144-156	313
4 ⁰⁶	Clarity versus complexity: land-use modeling as a practical tool for decision-makers. 2013 , 129, 235-43	59
4 ⁰⁵	A Mathematical Framework for Critical Transitions: Normal Forms, Variance and Applications. 2013 , 23, 457-510	59

404	Rethinking geopolitics in an era of climate change. 2013 , 78, 507-524	17
403	An Integrated Assessment Model for Exploring Potential Impacts of Global Change Scenarios on the Canadian Agricultural System. 2013 ,	2
402	Alternative approaches to modelling lake ecosystems. 2013 , 6, 63-74	1
401	Sensitivity analysis and pattern-oriented validation of TRITON, a model with alternative community states: Insights on temperate rocky reefs dynamics. 2013 , 258, 16-32	21
400	Guiding principles for the improved governance of port and shipping impacts in the Great Barrier Reef. 2013 , 75, 8-20	72
399	Evaluation of seasonal variability in the food-web properties of coastal lagoons subjected to contrasting salinity gradients using network analyses. 2013 , 265, 180-193	10
398	Impacts of climate change on avian populations. 2013 , 19, 2036-57	122
397	Ability of matrix models to explain the past and predict the future of plant populations. 2013 , 27, 968-78	87
396	Landscape Modeling. 2013 , 531-538	1
395	Modeling marine ecosystem responses to global climate change: Where are we now and where should we be going?. 2013 , 264, 1-6	4
394	Facilitating feedbacks between field measurements and ecosystem models. 2013 , 83, 133-154	109
393	On improving the communication between models and data. 2013 , 36, 1575-85	73
392	Countryside Biogeography. 2013 , 347-360	12
391	Practical solutions for making models indispensable in conservation decision-making. 2013 , 19, 490-502	143
390	Facing uncertainty in ecosystem services-based resource management. 2013 , 127 Suppl, S145-54	69
389	Heterospecific aggression and dominance in a guild of coral-feeding fishes: the roles of dietary ecology and phylogeny. 2013 , 182, 157-68	30
388	A large-scale forest landscape model incorporating multi-scale processes and utilizing forest inventory data. 2013 , 4, art106	37
387	Durable resistance to crop pathogens: an epidemiological framework to predict risk under uncertainty. 2013 , 9, e1002870	20

386	Tapping unsustainable groundwater stores for agricultural production in the High Plains Aquifer of Kansas, projections to 2110. 2013 , 110, E3477-86	127
385	Model-free forecasting outperforms the correct mechanistic model for simulated and experimental data. 2013 , 110, 5253-7	76
384	Model systems for a no-analog future: species associations and climates during the last deglaciation. 2013 , 1297, 29-43	35
383	Forecasting Avian Responses to Elwha River Restoration. 2013 , 31, 31-45	2
382	Predictive systems ecology. 2013 , 280, 20131452	101
381	References. 2013 , 271-298	
380	Forecasting deforestation and carbon emissions in tropical developing countries facing demographic expansion: a case study in Madagascar. 2013 , 3, 1702-16	48
379	Nonlinear Dynamics and Alternative Stable States in Shallow Coastal Systems. 2013 , 26, 220-231	41
378	Range Expansion of <i>Ambrosia artemisiifolia</i> in Europe Is Promoted by Climate Change. 2013 , 2013, 1-9	50
377	Modeling Wood Encroachment in Abandoned Grasslands in the Eifel National Park - Model Description and Testing. 2014 , 9, e113827	7
376	Projected continent-wide declines of the emperor penguin under climate change. 2014 , 4, 715-718	72
375	Unprecedented Seasonal Water Level Dynamics on One of the Earth's Largest Lakes. 2014 , 95, 15-17	22
374	Generalizable principles for ecosystem stewardship-based management of social-ecological systems: lessons learned from Alaska. 2014 , 19,	12
373	The Shape of Ecosystem Management to Come: Anticipating Risks and Fostering Resilience. 2014 , 64, 1159-1169	56
372	Response of hydrology to climate change in the southern Appalachian Mountains using Bayesian inference. 2014 , 28, 1616-1626	6
371	Linking zebra mussel invasion and waterborne commerce in the USA. 2014 , 16, 536-556	2
370	Relating Freshwater Flow with Estuarine Water Quality in the Southern Everglades Mangrove Ecotone. 2014 , 34, 101-111	10
369	Estimating uncertainty in daily weather interpolations: a Bayesian framework for developing climate surfaces. 2014 , 34, 2573-2584	25

368	Information visualisation for science and policy: engaging users and avoiding bias. 2014 , 29, 148-57	79
367	Climate controls the distribution of a widespread invasive species: implications for future range expansion. 2014 , 59, 847-857	33
366	Measuring the relative effect of factors affecting species distribution model predictions. 2014 , 5, 947-955	65
365	Long-term expansion of juniper populations in managed landscapes: patterns in space and time. 2014 , 102, 1562-1571	15
364	Regime shifts limit the predictability of land-system change. 2014 , 28, 75-83	92
363	Rising complexity and falling explanatory power in ecology. 2014 , 12, 412-418	53
362	Validation and calibration of probabilistic predictions in ecology. 2014 , 5, 1023-1032	7
361	Macrosystems ecology: understanding ecological patterns and processes at continental scales. 2014 , 12, 5-14	230
360	Emulator-assisted reduced-rank ecological data assimilation for nonlinear multivariate dynamical spatio-temporal processes. 2014 , 17, 126-138	15
359	A simple modeling approach to elucidate the main transport processes and predict invasive spread: River-mediated invasion of <i>Ageratina adenophora</i> in China. 2014 , 50, 9738-9747	8
358	The role of data assimilation in predictive ecology. 2014 , 5, art65	52
357	The rise of novelty in ecosystems. 2015 , 25, 2051-68	137
356	The Roles of Emerging Technology and Modeling Techniques in Operational Ecological Forecasting at NOAA. 2015 , 49, 193-203	6
355	Accounting for multiple pathways in the connections among climate variability, ocean processes, and coho salmon recruitment in the Northern California Current. 2015 , 72, 1552-1564	14
354	Application of the ecosystem model and Markov Chain Monte Carlo for parameter estimation and productivity prediction. 2015 , 6, art270	4
353	Assessing risks and uncertainties in forest dynamics under different management scenarios and climate change. 2015 , 2,	28
352	Predicting the resilience and recovery of aquatic systems: A framework for model evolution within environmental observatories. 2015 , 51, 7023-7043	71
351	An Evaluation of the Relations Between Flow Regime Components, Stream Characteristics, Species Traits, and Meta-Demographic Rates of Warm-Water-Stream Fishes: Implications for Aquatic Resource Management. 2015 , 31, 1227-1241	12

350	Understanding, Characterizing, and Communicating Responses to Ocean Acidification: Challenges and Uncertainties. 2015 , 25, 30-39		13
349	Future changes in the supply of goods and services from natural ecosystems: prospects for the European north. 2015 , 20,		19
348	Representing climate, disturbance, and vegetation interactions in landscape models. 2015 , 309-310, 33-47		68
347	Environmental management strategy: four forces analysis. 2015 , 55, 6-18		8
346	Simulating the Trophic Impacts of Fishery Policy Options on the West Florida Shelf Using Ecopath with Ecosim. 2015 , 7, 44-58		25
345	Operationalizing an ecosystem services-based approach using Bayesian Belief Networks: An application to riparian buffer strips. 2015 , 110, 15-27		51
344	Proposed best modeling practices for assessing the effects of ecosystem restoration on fish. 2015 , 300, 12-29		27
343	Critical transitions in chronic disease: transferring concepts from ecology to systems medicine. 2015 , 34, 48-55		61
342	Using scenario planning to evaluate the impacts of climate change on wildlife populations and communities in the Florida Everglades. 2015 , 55, 807-23		25
341	Sustainability. Prediction, precaution, and policy under global change. <i>Science</i> , 2015 , 347, 953-4	33.3	182
340	An examination of index-calibration experiments: counting tigers at macroecological scales. 2015 , 6, 1055-1066		40
339	Applying ecological model evaluation: Lessons learned with the forest dynamics model Samsara2. 2015 , 314, 1-14		15
338	Reviewing drivers of ecosystem change as input for environmental and ecosystem services modelling. 2015 , 5, 9-30		21
337	Assessing biophysical controls on Gulf of Mexico hypoxia through probabilistic modeling. 2015 , 25, 492-505		27
336	A spatial modelling framework for assessing climate change impacts on freshwater ecosystems: Response of brown trout (<i>Salmo trutta</i> L.) biomass to warming water temperature. 2015 , 313, 1-12		15
335	Stable isotope analysis versus TROPH: a comparison of methods for estimating fish trophic positions in a subtropical estuarine system. 2015 , 49, 235-250		15
334	Extinctions. Paleontological baselines for evaluating extinction risk in the modern oceans. <i>Science</i> , 2015 , 348, 567-70	33.3	79
333	Assessing threshold values for eutrophication management using Bayesian method in Yuqiao Reservoir, North China. 2015 , 187, 195		10

332	The ecological forecast horizon, and examples of its uses and determinants. 2015 , 18, 597-611	174
331	Archaeal Lineages within the Human Microbiome: Absent, Rare or Elusive?. 2015 , 5, 1333-45	37
330	On estimating the reliability of ecological forecasts. 2015 , 372, 211-6	1
329	Impact of rapid urbanization on microclimate of urban areas of Pakistan. 2015 , 8, 299-306	9
328	Potential of remote sensing to predict species invasions: A modelling perspective. 2015 , 39, 283-309	57
327	Globally, functional traits are weak predictors of juvenile tree growth, and we do not know why. 2015 , 103, 978-989	99
326	Second-guessing uncertainty: Scenario planning for management of the Indian Ocean tuna purse seine fishery. 2015 , 62, 169-177	6
325	Evaluating simulated effects of succession, fire, and harvest for LANDIS PRO forest landscape model. 2015 , 297, 1-10	5
324	Applying Bayesian spatiotemporal models to fisheries bycatch in the Canadian Arctic. 2015 , 72, 186-197	73
323	Cropland Precipitation Prediction for Food Produce of the Weihe Basin Using Statistical Downscaling Model. 2016 , 11, 40-42	
322	A comparison between data requirements and availability for calibrating predictive ecological models for lowland UK woodlands: learning new tricks from old trees. 2016 , 6, 4812-22	14
321	Bias-variance decomposition of errors in data-driven land cover change modeling. 2016 , 31, 2397-2413	2
320	Continent-scale global change attribution in European birds - combining annual and decadal time scales. 2016 , 22, 530-43	41
319	Semi-arid vegetation response to antecedent climate and water balance windows. 2016 , 19, 413-429	12
318	Forecasting climate change impacts on plant populations over large spatial extents. 2016 , 7, e01525	23
317	Indirect behavioral indicators and their uses in conservation and management. 352-375	
316	Partitioning prediction uncertainty in climate-dependent population models. 2016 , 283,	11
315	Some like it hot: effect of environment on population dynamics of a small tropical seabird in the Caribbean region. 2016 , 7, e01461	4

314	Effects of road network on diversiform forest cover changes in the highest coverage region in China: An analysis of sampling strategies. 2016 , 565, 28-39	18
313	Hydrological and ecological responses of ecosystems to extreme precipitation regimes: A test of empirical-based hypotheses with an ecosystem model. 2016 , 22, 36-46	14
312	Cloudy with a chance of sardines: forecasting sardine distributions using regional climate models. 2016 , 25, 15-27	44
311	Climate and bark beetle effects on forest productivity linking dendroecology with forest landscape modeling. 2016 , 46, 1026-1034	7
310	Forecasting Epidemiological and Evolutionary Dynamics of Infectious Diseases. 2016 , 31, 776-788	47
309	Inferential and forward projection modeling to evaluate options for controlling invasive mammals on islands. 2016 , 26, 2546-2557	11
308	Climatic warming destabilizes forest ant communities. 2016 , 2, e1600842	39
307	Informing management with monitoring data: the value of Bayesian forecasting. 2016 , 7, e01587	10
306	Innovations and limits in methods of forecasting global environmental change. 2016 , 17, 565-575	4
305	Progress and challenges in coupled hydrodynamic-ecological estuarine modeling. 2016 , 39, 311-332	39
304	Incorporating natural variability in biological reference points and population dynamics into management of Atlantic salmon (<i>Salmo salar</i> L.) stocks returning to home waters. 2016 , 73, 1513-1524	7
303	Development and application of an antibody-based protein microarray to assess physiological stress in grizzly bears (<i>Ursus arctos</i>). 2016 , 4, cow001	6
302	Assessing the economic benefits of starling detection and control to Western Australia. 2016 , 23, 81-99	7
301	Forecasting waterfowl population dynamics under climate change [Does the spatial variation of density dependence and environmental effects matter?]. 2016 , 194, 80-88	16
300	Frontiers in Ecosystem Ecology from a Community Perspective: The Future is Boundless and Bright. 2016 , 19, 753-770	31
299	Seasonally varied controls of climate and phenophase on terrestrial carbon dynamics: modeling eco-climate system state using Dynamical Process Networks. 2016 , 31, 165-180	14
298	Shifting drivers and static baselines in environmental governance: challenges for improving and proving water quality outcomes. 2016 , 16, 759-775	26
297	Seed fate and decision-making processes in scatter-hoarding rodents. 2017 , 92, 474-504	102

296	Resetting predator baselines in coral reef ecosystems. 2017 , 7, 43131	40
295	Landscape Modeling ?. 2017 ,	
294	Elevated nonlinearity as an indicator of shifts in the dynamics of populations under stress. 2017 , 14,	18
293	Incorporating temporal heterogeneity in environmental conditions into a somatic growth model. 2017 , 74, 316-326	10
292	References. 2017 , 245-260	
291	When mechanism matters: Bayesian forecasting using models of ecological diffusion. 2017 , 20, 640-650	35
290	Pervasive human-mediated large-scale invasion: analysis of spread patterns and their underlying mechanisms in 17 of China's worst invasive plants. 2017 , 105, 85-94	30
289	The practice of prediction: What can ecologists learn from applied, ecology-related fields?. 2017 , 32, 156-167	16
288	Cannabis, an emerging agricultural crop, leads to deforestation and fragmentation. 2017 , 15, 495-501	14
287	Discharge-Dependent Recruitment in Stream-Spawning Brown Trout. 2017 , 297-318	3
286	A method for examining temporal changes in cyanobacterial harmful algal bloom spatial extent using satellite remote sensing. 2017 , 67, 144-152	55
285	The prospects of silver fir (<i>Abies alba</i> Mill.) and Norway spruce (<i>Picea abies</i> (L.) Karst) in mixed mountain forests under various management strategies, climate change and high browsing pressure. 2017 , 136, 1071-1090	17
284	Ensemble modeling informs hypoxia management in the northern Gulf of Mexico. 2017 , 114, 8823-8828	49
283	Prediction in ecology: a first-principles framework. 2017 , 27, 2048-2060	63
282	Incorporating uncertainty into forest management planning: Timber harvest, wildfire and climate change in the boreal forest. 2017 , 400, 542-554	37
281	Ecological Forecasting and the Science of Hypoxia in Chesapeake Bay. 2017 , 67, 614-626	26
280	Moving Towards a New Urban Systems Science. 2017 , 20, 38-43	46
279	Do we need demographic data to forecast plant population dynamics?. 2017 , 8, 541-551	17

278	Multiple Patterns of Food Web Dynamics Revealed by a Minimal Non-deterministic Model. 2017 , 20, 163-182	8
277	An integrated data model to estimate spatiotemporal occupancy, abundance, and colonization dynamics. 2017 , 98, 328-336	30
276	Are generic early-warning signals reliable indicators of population collapse in rotifers?. 2017 , 796, 111-120	12
275	Contrasting effects of precipitation manipulations in two Great Plains plant communities. 2017 , 28, 238-249	28
274	Forecasting consequences of changing sea ice availability for Pacific walruses. 2017 , 8, e02014	8
273	A Streamlined Approach by a Combination of Bioindication and Geostatistical Methods for Assessing Air Contaminants and Their Effects on Human Health in Industrialized Areas: A Case Study in Southern Brazil. 2017 , 8, 1575	2
272	Computational Psychometrics for Modeling System Dynamics during Stressful Disasters. 2017 , 8, 1401	3
271	Extension of biomass estimates to pre-assessment periods using density dependent surplus production approach. 2017 , 12, e0186830	2
270	Understanding Land Use, Land Cover and Woodland-Based Ecosystem Services Change, Mabalane, Mozambique. 2017 , 7, 1	5
269	Modelling climate change impacts on nutrients and primary production in coastal waters. 2018 , 628-629, 919-937	34
268	A hierarchical spatiotemporal analog forecasting model for count data. 2018 , 8, 790-800	4
267	Rainfall variation prediction using SD technology based on temperature model for Weihe River basin. 2018 , 9, 282-292	
266	Relationships among phenology, climate and biomass across subtropical forests in Argentina. 2018 , 34, 93-107	12
265	Understanding relationships among ecosystem services across spatial scales and over time. 2018 , 13, 054020	49
264	Iterative near-term ecological forecasting: Needs, opportunities, and challenges. 2018 , 115, 1424-1432	230
263	Transcriptome analysis of <i>Cyrtotrachelus buqueti</i> in two cities in China. 2018 , 647, 1-12	4
262	Science to support the management of riverine flows. 2018 , 63, 996-1010	23
261	Towards the general mechanistic prediction of community dynamics. 2018 , 32, 1681-1692	9

260	A regional assessment of white-tailed deer effects on plant invasion. 2018 , 10, plx047	22
259	Forecasting Responses of a Northern Peatland Carbon Cycle to Elevated CO ₂ and a Gradient of Experimental Warming. 2018 , 123, 1057-1071	16
258	A suite of essential biodiversity variables for detecting critical biodiversity change. 2018 , 93, 55-71	46
257	Trophic ecology of the chihuil sea catfish (<i>Bagre panamensis</i>) in the south-east Gulf of California, Mexico. 2018 , 98, 885-893	2
256	Modeling the Population Effects of Hypoxia on Atlantic Croaker (<i>Micropogonias undulatus</i>) in the Northwestern Gulf of Mexico: Part 1 Model Description and Idealized Hypoxia. 2018 , 41, 233-254	10
255	Predicted risks of groundwater decline in seasonal wetland plant communities depend on basin morphology. 2018 , 26, 359-372	6
254	Conservation in a changing world needs predictive models. 2018 , 21, 87-88	18
253	Multi-model comparison highlights consistency in predicted effect of warming on a semi-arid shrub. 2018 , 24, 424-438	31
252	Prediction in ecology: promises, obstacles and clarifications. 2018 , 127, 171-183	30
251	What Have We Learned? Looking Back and Pressing Forward. 2018 , 475-487	
250	Forest ecosystem services in Nepal: a retrospective synthesis, research gaps and implications in the context of climate change. 2018 , 20, 506-537	7
249	Quantifying the effect of persistent dryer climates on forest productivity and implications for forest planning: a case study in northern Germany. 2018 , 5,	9
248	A polarimetric Doppler radar time-series simulator for biological applications. 2018 , 4, 285-302	3
247	Evaluation of a Data Assimilation System for Land Surface Models Using CLM4.5. 2018 , 10, 2471-2494	35
246	Empirical Predictability of Community Responses to Climate Change. 2018 , 6,	20
245	A Dirty Dozen Ways to Die: Metrics and Modifiers of Mortality Driven by Drought and Warming for a Tree Species. 2018 , 1,	20
244	Similarity in spatial structure constrains ecosystem relationships: Building a macroscale understanding of lakes. 2018 , 27, 1251-1263	20
243	Developing a frame of reference for fisheries management and conservation interventions. 2018 , 208, 296-308	4

242	Anticipatory natural resource science and management for a changing future. 2018 , 16, 295-303	43
241	A depth-resolved artificial neural network model of marine phytoplankton primary production. 2018 , 382, 51-62	19
240	Effect of Herbicides on Evapotranspiration of Willow Marshes in the Upper St. Johns River Basin, Florida. 2018 , 23, 05018018	1
239	The challenges of forest modeling given climate change. 2018 , 33, 1481-1488	9
238	A mid-century ecological forecast with partitioned uncertainty predicts increases in loblolly pine forest productivity. 2018 , 28, 1503-1519	10
237	Outstanding Challenges in the Transferability of Ecological Models. 2018 , 33, 790-802	213
236	Stream fish colonization but not persistence varies regionally across a large North American river basin. 2018 , 223, 1-10	3
235	Could recent overfishing of New England groundfish have been prevented? A retrospective evaluation of alternative management strategies. 2019 , 76, 1006-1018	6
234	Population-level consequences of seismic surveys on fishes: An interdisciplinary challenge. 2019 , 20, 653-685	22
233	Conservation palaeobiology and the shape of things to come. 2019 , 374, 20190294	3
232	Harnessing Deep Learning in Ecology: An Example Predicting Bark Beetle Outbreaks. 2019 , 10, 1327	20
231	Predicting population responses to environmental change from individual-level mechanisms: towards a standardized mechanistic approach. 2019 , 286, 20191916	20
230	Scale and complexity implications of making New Zealand predator-free by 2050. 2019 , 49, 412-439	12
229	Environmental Carrying Capacity based on Ecosystem Services for Sustainable Development in Banggai Island. 2019 , 270, 012046	
228	Combining eight research areas to foster the uptake of ecosystem-based management in fresh waters. 2019 , 29, 1161-1173	15
227	The intrinsic predictability of ecological time series and its potential to guide forecasting. 2019 , 89, e01359	37
226	A risk-based forecast of extreme mortality events in small cetaceans: Using stranding data to inform conservation practice. 2019 , 12, e12639	1
225	From stand to landscape: modelling post-fire regeneration and species growth. 2019 , 404, 103-111	4

224	Integrated modeling predicts shifts in waterbird population dynamics under climate change. 2019 , 42, 1470-1481	13
223	Realized ecological forecast through an interactive Ecological Platform for Assimilating Data (EcoPAD, v1.0) into models. 2019 , 12, 1119-1137	9
222	Anticipating global terrestrial ecosystem state change using FLUXNET. 2019 , 25, 2352-2367	9
221	Adaptive marine conservation planning in the face of climate change: What can we learn from physiological, ecological and genetic studies?. 2019 , 17, e00566	38
220	Micro level analyses of environmentally disastrous urbanization in Bangalore. 2020 , 191, 787	12
219	Has ecology grown up?. 2019 , 12, 387-405	2
218	Targeting Extreme Events: Complementing Near-Term Ecological Forecasting With Rapid Experiments and Regional Surveys. 2019 , 7,	2
217	Temperate mesophotic ecosystems: gaps and perspectives of an emerging conservation challenge for the Mediterranean Sea. 2019 , 86, 370-388	26
216	Incorporating Parameter Estimability Into Model Selection. 2019 , 7,	4
215	The use of scenarios and models to evaluate the future of nature values and ecosystem services in Mediterranean forests. 2019 , 19, 415-428	16
214	Evidence for spatial coherence in time trends of marine life history traits of Atlantic salmon in the North Atlantic. 2019 , 20, 322-342	15
213	Regularized S-map for inference and forecasting with noisy ecological time series. 2019 , 10, 650-660	18
212	Improving estimates and forecasts of lake carbon dynamics using data assimilation. 2019 , 17, 97-111	2
211	Developing an automated iterative near-term forecasting system for an ecological study. 2019 , 10, 332-344	24
210	Actions towards the joint production of knowledge: the risk of salmon aquaculture on American Lobster. 2019 , 22, 67-80	5
209	Turning Down the Heat: Vegetation Feedbacks Limit Fire Regime Responses to Global Warming. 2020 , 23, 204-216	8
208	Discard ban: A simulation-based approach combining hierarchical Bayesian and food web spatial models. 2020 , 116, 103703	3
207	A statistical forecasting approach to metapopulation viability analysis. 2020 , 30, e02038	5

206	The Paris Agreement objectives will likely halt future declines of emperor penguins. 2020 , 26, 1170-1184	15
205	Foreseeing the future of mutualistic communities beyond collapse. 2020 , 23, 2-15	18
204	The cost of complexity in forecasts of population abundances is reduced but not eliminated by borrowing information across space using a hierarchical approach. 2020 , 129, 249-260	5
203	Stochastic Parsimonious Hydrologic Partitioning Model under East Asia Monsoon Climate and Its Application to Climate Change. 2020 , 12, 25	3
202	Effects of winter chilling and photoperiod on leaf-out and flowering in a subtropical evergreen broadleaved forest in China. 2020 , 458, 117766	13
201	Hydrological effects of tree invasion on a dry coastal Hawaiian ecosystem. 2020 , 458, 117653	4
200	Warning of negative effects of land-use changes on ecological security based on GIS. 2020 , 704, 135427	32
199	Preface. 2020 , xiii-xvii	
198	Introduction. 2020 , 1-46	
197	Near-term spatial hydrologic forecasting in Everglades, USA for landscape planning and ecological forecasting. 2020 , 132, 104783	6
196	Species. 2020 , 47-113	
195	Populations. 2020 , 114-224	
194	Waterborne Disease. 2020 , 225-339	
193	Afterthoughts and Outlook. 2020 , 340-361	
192	Appendices. 2020 , 362-400	
191	Index. 2020 , 432-438	
190	Effective ecosystem monitoring requires a multi-scaled approach. 2020 , 95, 1706-1719	12
189	Supporting Ecosystem-based Fisheries Management in meeting multiple objectives for sustainable use of coral reef ecosystems. 2020 ,	2

188	Making predictive modelling ART: accurate, reliable, and transparent. 2020 , 11, e03160	8
187	Structural forecasting of species persistence under changing environments. 2020 , 23, 1511-1521	14
186	Assessing the Vulnerability of Military Installations in the Conterminous United States to Potential Biome Shifts Resulting from Rapid Climate Change. 2020 , 66, 564-589	3
185	Temporal variability in production is not consistently affected by global change drivers across herbaceous-dominated ecosystems. 2020 , 194, 735-744	5
184	Environmentally Driven Seasonal Forecasts of Pacific Hake Distribution. 2020 , 7,	4
183	Matching the forecast horizon with the relevant spatial and temporal processes and data sources. 2020 , 43, 1729-1739	7
182	A Near-Term Iterative Forecasting System Successfully Predicts Reservoir Hydrodynamics and Partitions Uncertainty in Real Time. 2020 , 56, e2019WR026138	11
181	Beyond Calendars and Maps: Rethinking Time and Space for Effective Knowledge Governance in Protected Areas. 2020 , 9, 293	2
180	Ecological Dynamics: Integrating Empirical, Statistical, and Analytical Methods. 2020 , 35, 1090-1099	3
179	Ecological forecasts to inform near-term management of threats to biodiversity. 2020 , 26, 5816-5828	6
178	Spatial structure in protected forest-grassland mosaics: Exploring futures under climate change. 2020 , 26, 6097-6115	2
177	Water balance as an indicator of natural resource condition: Case studies from Great Sand Dunes National Park and Preserve. 2020 , 24, e01300	4
176	Assessing ecological uncertainty and simulation model sensitivity to evaluate an invasive plant species' potential impacts to the landscape. 2020 , 10, 19069	4
175	Using integrated population models to prioritize region-specific conservation strategies under global change. 2020 , 252, 108832	3
174	Integrating ecosystem services value and uncertainty into regional ecological risk assessment: A case study of Hubei Province, Central China. 2020 , 740, 140126	20
173	Trophic interactions in coral reef restoration: A review. 2020 , 24, e00149	4
172	Forecasting intensifying disturbance effects on coral reefs. 2020 , 26, 2785-2797	26
171	Seasonal-to-interannual prediction of North American coastal marine ecosystems: Forecast methods, mechanisms of predictability, and priority developments. 2020 , 183, 102307	28

170	Development and validation of protein biomarkers of health in grizzly bears. 2020 , 8, coaa056	3
169	Unexpected food web responses to low dissolved oxygen in an estuarine fjord. 2020 , 30, e02204	1
168	The emergent interactions that govern biodiversity change. 2020 , 117, 17074-17083	10
167	Embedding ecological knowledge into artificial neural network training: A marine phytoplankton primary production model case study. 2020 , 421, 108985	8
166	Neural hierarchical models of ecological populations. 2020 , 23, 734-747	13
165	Comparison of settlement-era vegetation reconstructions for STEPPS and REVEALS pollen-vegetation models in the northeastern United States. 2020 , 95, 23-42	5
164	Hurricane-Induced Rainfall is a Stronger Predictor of Tropical Forest Damage in Puerto Rico Than Maximum Wind Speeds. 2020 , 10, 4318	20
163	Hydrological simple water balance modeling for increasing geographically isolated doline wetland functions and its application to climate change. 2020 , 149, 105812	5
162	Ecological forecasts reveal limitations of common model selection methods: predicting changes in beaver colony densities. 2021 , 31, e02198	4
161	Impact of prior and projected climate change on US Lyme disease incidence. 2021 , 27, 738-754	6
160	Leveraging spatial information to forecast nonlinear ecological dynamics. 2021 , 12, 266-279	1
159	A unifying framework for studying and managing climate-driven rates of ecological change. 2021 , 5, 17-26	22
158	Advancing lake and reservoir water quality management with near-term, iterative ecological forecasting. 1-14	10
157	Spatio-Temporal Changes of Land-Use/Land Cover Change and the Effects on Ecosystem Service Values in Derong County, China, from 1992-2018. 2021 , 13, 827	8
156	OUP accepted manuscript.	1
155	Scaling up: understanding movement from individual differences to population-level dispersal.	
154	Forecasting for intended consequences. 2021 , 3, e370	5
153	The evolution of macrosystems biology. 2021 , 19, 11-19	8

- 152 forestatrisk: a Python package for modelling and forecasting deforestation in the tropics. **2021**, 6, 2975 0
- 151 Comparing sample bias correction methods for species distribution modeling using virtual species. **2021**, 12, e03422 6
- 150 Climat change and its impact on the expansion of the area *Ambrosia artemisiifolia* in Europe. **2021**, 31-39
- 149 Long-term measurements in a mixed-grass prairie reveal a change in soil organic carbon recalcitrance and its environmental sensitivity under warming. **2021**, 197, 989-1002 0
- 148 Altered precipitation dynamics lead to a shift in herbivore dynamical regime. **2021**, 24, 1400-1407 0
- 147 Revisiting Additional Carbon Tracking Atmosphere Ecosystem Carbon Exchange to Establish Mitigation and Negative Emissions From Bio-Based Systems. 3,
- 146 Mapping spatially explicit vegetation gaps in Florida rosemary scrub using unmanned aerial vehicles. **2021**, 12, e03470 0
- 145 A practical guide to selecting models for exploration, inference, and prediction in ecology. **2021**, 102, e03336 24
- 144 California Oilfield Underground Aquifer Injection Monitoring by Blockchain Technology. **2021**,
- 143 Impact of climate change on wetland ecosystems: A critical review of experimental wetlands. **2021**, 286, 112160 35
- 142 Food web approach for managing Arctic wildlife populations in an era of rapid environmental change. **2021**, SUSTAIN, 2
- 141 Iteratively forecasting biological invasions with PoPS and a little help from our friends. **2021**, 19, 411-418 4
- 140 Determinants of community compositional change are equally affected by global change. **2021**, 24, 1892-1904 3
- 139 Near-term ecological forecasting for dynamic aeroconservation of migratory birds. **2021**, 35, 1777-1786 3
- 138 Evaluating probabilistic ecological forecasts. **2021**, 102, e03431 3
- 137 Prediction of regime shifts under spatial indicators in gene transcription regulation systems. 4
- 136 Advancing estuarine ecological forecasts: seasonal hypoxia in Chesapeake Bay. **2021**, 31, e02384 1
- 135 Predicting the dynamics of establishing tree populations: A framework for statistical inference and lessons for data collection. **2021**, 12, 1721-1733 0

134	Understanding the future of big sagebrush regeneration: challenges of projecting complex ecological processes. 2021 , 12, e03695	0
133	Infraestrutura verde para monitorar e minimizar os impactos da poluição atmosférica. 2021 , 35, 31-57	0
132	Reanalysis in Earth System Science: Toward Terrestrial Ecosystem Reanalysis. 2021 , 59, e2020RG000715	4
131	Analyzing spatial variability of drivers of coastal wetland loss in the northern Gulf of Mexico using Bayesian multi-level models. 2021 , 58, 831-851	1
130	Spatio-temporal analysis of remotely sensed forest loss data in the Cordillera Administrative Region, Philippines. 1	
129	Assessing how ecosystem-based adaptations to climate change influence community wellbeing: a Vanuatu case study. 2021 , 21, 1	2
128	Effects of changing ocean temperatures on ecological connectivity among marine protected areas in northern British Columbia. 2021 , 211, 105776	2
127	A hierarchical analysis of ecosystem classification with implementing in two continental ecoregions. 2021 , 10,	0
126	Searching for ecology in species distribution models in the Himalayas. 2021 , 458, 109693	1
125	Detecting Global Change at Alpine Treeline: Coupling Paleoecology with Contemporary Studies. 2005 , 501-508	10
124	CAUSES AND CONSEQUENCES OF LAND USE CHANGE IN THE NORTH CAROLINA PIEDMONT: THE SCOPE OF UNCERTAINTY. 2006 , 239-257	3
123	SCALING TERRESTRIAL BIOGEOCHEMICAL PROCESSES CONTRASTING INTACT AND MODEL EXPERIMENTAL SYSTEMS. 2006 , 109-130	3
122	Model-Driven Dynamic Control of Embedded Wireless Sensor Networks. 2006 , 409-416	3
121	Introduction - Unprecedented Challenges in Ecological Research: Past and Present. 2009 , 1-18	1
120	Integrating Multiple Spatial Controls and Temporal Sampling Schemes To Explore Short- and Long-Term Ecosystem Response to Fire in an Everglades Wetland. 2009 , 73-109	4
119	Analysis of Vegetation-Water Interactions: Application and Comparison of Maximum-Likelihood Estimation and Bayesian Inference. 2020 , 205-231	2
118	Effects of Climate Change on Forest Vegetation in the Northern Rockies. 2018 , 59-95	6
117	Spatial Nonlinearities: Cascading Effects in the Earth System. 2007 , 165-174	1

116	Synthesis and New Directions. 2014 , 315-332	1
115	Design and Importance of Multi-tiered Ecological Monitoring Networks. 2010 , 355-374	6
114	Grasslands of the North American Great Plains. 2003 , 157-174	6
113	Soil Organic Matter Dynamics and Structure. 2013 , 175-199	9
112	A proxy for high-resolution regional reanalysis for the Southeast United States: assessment of precipitation variability in dynamically downscaled reanalyses. 2012 , 38, 2449	0
111	ECOLOGICAL MANAGEMENT: CONTROL, UNCERTAINTY, AND UNDERSTANDING. 2005 , 371-395	10
110	Evaluating statistical models to measure environmental change: A tidal turbine case study. 2018 , 84, 765-792	3
109	River Networks as Ecological Corridors: Species, Populations, Pathogens. 2020 ,	14
108	The Diatoms: Applications for the Environmental and Earth Sciences. 324-345	11
107	What processes must we understand to forecast regional-scale population dynamics?. 2020 , 287, 20202219	3
106	Bridging theories for ecosystem stability through structural sensitivity analysis of ecological models in equilibrium.	1
105	The intrinsic predictability of ecological time series and its potential to guide forecasting.	3
104	Probing the limits of predictability: data assimilation of chaotic dynamics in complex food webs. 2018 , 21, 93-103	26
103	Historical Reconstruction of Human-Induced Changes in U.S. Estuaries. 2010 , 267-338	22
102	Landscape epidemiology and control of pathogens with cryptic and long-distance dispersal: sudden oak death in northern Californian forests. 2012 , 8, e1002328	62
101	Comparing models for early warning systems of neglected tropical diseases. 2007 , 1, e33	50
100	Integrated ecosystem assessment: Lake Ontario water management. 2008 , 3, e3806	3
99	Energetic conditions promoting top-down control of prey by predators. 2011 , 6, e29723	2

98	Methods for detecting early warnings of critical transitions in time series illustrated using simulated ecological data. 2012 , 7, e41010	476
97	Integrating evolution into ecological modelling: accommodating phenotypic changes in agent based models. 2013 , 8, e71125	13
96	Space-for-time substitution works in everglades ecological forecasting models. 2013 , 8, e81025	20
95	Regional scale prioritisation for key ecosystem services, renewable energy production and urban development. 2014 , 9, e107822	16
94	An online database for informing ecological network models: http://kelpforest.ucsc.edu . 2014 , 9, e109356	15
93	Extending Vulnerability Assessment to Include Life Stages Considerations. 2016 , 11, e0158917	11
92	STRUCTURE AND BIOMASS ANALYSIS OF URBAN VEGETATION IN SQUARES OF SANTA CECÍLIA DISTRICT, SÃO PAULO, SP. 44,	0
91	Optimal Management of an Ecosystem with an Unknown Threshold.	0
90	The wall between civil engineering and ecology has been removed?River restoration: linking science with application. 2007 , 10, 15-25	5
89	Origin of climatic data can determine the transferability of species distribution models. 59, 61-76	6
88	The dynamics of cultivation and floods in arable lands of central Argentina.	3
87	Energy Price, Environmental Policy, and Technological Bias. 2002 , 23,	9
86	Trade Liberalization and Carbon Leakage. 2003 , 24,	68
85	Forecasting biodiversity in breeding birds using best practices. 2018 , 6, e4278	28
84	Assessing Pathways of Climate Change Effects in SpaDES: An Application to Boreal Landbirds of Northwest Territories Canada. 2021 , 9,	2
83	Linking species traits and demography to explain complex temperature responses across levels of organization. 2021 , 118,	6
82	Understanding mast seeding for conservation and land management. 2021 , 376, 20200383	6
81	Implement and Analysis on Current Ecosystem Classification in Western Utah of the United States and Yukon Territory of Canada.	0

- 80 Landscape-Scale Resource Management. **2011**, 457-476
- 79 Estuary Ecosystem Models. **2011**, 63-135
- 78 Monitoring and Modeling Environmental Change in Protected Areas. **2011**, 495-524
- 77 . **2012**, 01, 33-43
- 76 C More on Ricker stock-recruitment. **2012**, 369-380
- 75 Study on Development Model of Ecological Economy in Shiyang River Basin. **2013**, 1419-1427
- 74 Spatial Uncertainty Analysis in Ecological Biology. **2013**, 2, 14-24 1
- 73 Other Topics. **2015**, 619-663
- 72 Elevated nonlinearity as indicator of transition to overexploitation in fish stocks.
- 71 Transcriptome analysis of the quantitative distribution of the *Cyrtotrachelus buqueti* population in two cities in China.
- 70 Forecasting biodiversity in breeding birds using best practices. 1
- 69 Developing an automated iterative near-term forecasting system for an ecological study. 2
- 68 Understanding variability in marine fisheries: importance of environmental forcing. **2019**, 149-163 0
- 67 Neural hierarchical models of ecological populations.
- 66 Modeling Uncertainty Based on Spatial Models in Spreading Diseases. **2019**, 8, 55-66 3
- 65 Matching the forecast horizon with the relevant spatial and temporal processes and data sources.
- 64 A near-term iterative forecasting system successfully predicts reservoir hydrodynamics and partitions uncertainty in real time. 0
- 63 Impact of prior and projected climate change on US Lyme disease incidence. 0

62	Transferability of vegetation recovery models based on remote sensing across different fire regimes. 2020 , 23, 441-451	3
61	Influence of climate forecasts, data assimilation, and uncertainty propagation on the performance of near-term phenology forecasts.	
60	Towards a Comprehensive Functionality Assessment of Estuaries: First Approaches in San Vicente de la Barquera Estuary (Cantabria, Spain). 2020 , 301-319	
59	Automated Integration of Continental-Scale Observations in Near-Real Time for Simulation and Analysis of Biosphere-Atmosphere Interactions. 2020 , 204-225	
58	Some Observations on the Role of Trophodynamic Models for Ecosystem Approaches to Fisheries. 2009 , 185-207	
57	Researching Viable Scientific Approaches to Marine Ecosystems. 133-139	
56	Applying Algorithmic Accountability Frameworks with Domain-specific Codes of Ethics. 2020 ,	
55	Impacts of the 2012-2015 Californian Drought on Carbon, Water and Energy Fluxes in Californian Sierras: Results from an Imaging Spectrometry-Constrained Terrestrial Biosphere Model. 2021 ,	0
54	Integrated population modelling reveals potential drivers of demography from partially aligned data: a case study of snowy plover declines under human stressors. 2021 , 9, e12475	2
53	Increased adoption of best practices in ecological forecasting enables comparisons of forecastability. 2021 , e02500	0
52	Biodiversity Monitoring and the Role of Scientists in the Twenty-first Century. 2021 , 25-50	1
51	Multi-species amphibian monitoring across a protected landscape: Critical reflections on 15 years of wetland monitoring in Grand Teton and Yellowstone national parks. 2022 , 135, 108519	2
50	General Landscape Connectivity Model (GLCM): a new way to map whole of landscape biodiversity functional connectivity for operational planning and reporting. 2022 , 465, 109858	2
49	Riparian vegetation shade restoration and loss effects on recent and future stream temperatures.	1
48	OUP accepted manuscript.	1
47	Coding for broader impact: leveraging coding skills for stakeholder communication.	
46	BioCro II: a Software Package for Modular Crop Growth Simulations.	0
45	Near-term forecasting of companion animal tick paralysis incidence: An iterative ensemble model.. 2022 , 18, e1009874	0

- 44 Estimations of Cs activity concentrations using marine parameters issued from MODIS and Copernicus Marine Environment Monitoring Services (CMEMS) data in Souda Bay (Crete, Greece) for the period 2011-2019.. **2022**, 1
- 43 Using near-term forecasts and uncertainty partitioning to inform prediction of oligotrophic lake cyanobacterial density.. **2022**, e2590 0
- 42 Application of machine learning and acoustic predation tags to classify migration fate of Atlantic salmon smolts.. **2022**, 198, 605 0
- 41 Forest refuge areas and carbon emissions from tropical deforestation in the 21st century.
- 40 An empirical dynamic modeling framework for missing or irregular samples. **2022**, 468, 109948 1
- 39 The Influence of the Interaction between Climate and Competition on the Distributional Limits of European Shrews.. **2021**, 12, 1
- 38 Monitoring Population Phenology of Asian Citrus Psyllid Using Deep Learning. **2021**, 2021, 1-10
- 37 Bridging the divide between ecological forecasts and environmental decision making. **2021**, 12, 1
- 36 Table_1.pdf. **2018**,
- 35 Data_Sheet_1.PDF. **2018**,
- 34 Data_Sheet_2.PDF. **2018**,
- 33 Data_Sheet_3.PDF. **2018**,
- 32 Data_Sheet_1.PDF. **2019**,
- 31 Data_Sheet_1.pdf. **2020**,
- 30 DataSheet_1.pdf. **2019**,
- 29 Near-term phytoplankton forecasts reveal the effects of model time step and forecast horizon on predictability.. **2022**, e2642 1
- 28 The dynamical complexity of seasonal soundscapes is governed by fish chorusing. **2022**, 3, 1
- 27 Modeling ecological communities when composition is manipulated experimentally. 1

26	The forecast trap.	1
25	Bridging Theories for Ecosystem Stability Through Structural Sensitivity Analysis of Ecological Models in Equilibrium. 2022 , 70,	
24	Forecasting in the face of ecological complexity: Number and strength of species interactions determine forecast skill in ecological communities.	0
23	Guidelines for model adaptation: A study of the transferability of a general seagrass ecosystem Dynamic Bayesian Networks model. 2022 , 12,	
22	The power of forecasts to advance ecological theory.	2
21	The predictive performance of process-explicit range change models remains largely untested.	1
20	Socio-ecological predictors of global patterns in human appropriation of net primary production. 2022 , 142, 109249	0
19	Degradation and recovery of alpine meadow catenas in the source zone of the Yellow River, Western China. 2022 , 19, 2487-2505	0
18	Subseasonal forecasts provide a powerful tool for dynamic marine mammal management.	0
17	A function-based typology for Earth's ecosystems. 2022 , 610, 513-518	3
16	Multi-temporal analysis of the cover change of the Serrano forest in central Argentina through remote sensing. 2022 ,	0
15	Limits to ecological forecasting: Estimating uncertainty for critical transitions with deep learning.	0
14	Role of community-based conservation and natural resource management in building climate resilience among vulnerable mountain societies. 1-14	0
13	Climate-mediated population dynamics of a migratory songbird differ between the trailing edge and range core.	0
12	Modelling ecological communities when composition is manipulated experimentally.	0
11	Regional ecological forecasting across scales: A manifesto for a biodiversity hotspot.	1
10	Near-term forecasts of stream temperature using deep learning and data assimilation in support of management decisions.	0
9	Age structure augments the predictive power of time series for fisheries and conservation.	0

- 8 Spatiotemporal evolution analysis of human disturbances on giant panda: A new approach to study cumulative influences with large spatial scales. **2023**, 75, 102008
- 7 Forecast-based action for conservation.
- 6 Adaptive Gaussian Markov random field spatiotemporal models for infectious disease mapping and forecasting. **2023**, 53, 100726
- 5 Climate-informed forecasts reveal dramatic local habitat shifts and population uncertainty for northern boreal caribou. **2023**, 33,
- 4 Synthesizing forecasts to inform decision-making and advance ecological theory. **2023**, 14, 728-731
- 3 Soil surface treatments and precipitation timing determine seedling development across southwestern US restoration sites.
- 2 Developing a subseasonal ecological forecast to reduce fisheries bycatch in the Northeast U.S.. **2023**, 213, 103021
- 1 Spatio-temporal transferability of environmentally-dependent population models: Insights from the intrinsic predictabilities of Adelie penguin abundance time series. **2023**, 150, 110239