Boris Schrder

List of Publications by Year in Descending Order

117 papers	**11,951** citations	**41** h-index	**109** g-index
125 ext. papers	**14,581** ext. citations	**4.5** avg, IF	**5.92** L-index

#	Paper	IF	Citations
117	Making the case for gardens: Estimating the contribution of urban gardens to habitat provision and connectivity based on hedgehogs (Erinaceus europaeus). *Landscape and Urban Planning*, **2022**, 220, 104347	7.7	2
116	Spatiotemporally explicit prediction of future ecosystem service provisioning in response to climate change, sea level rise, and adaptation strategies. *Ecosystem Services*, **2022**, 54, 101414	6.1	0
115	Global data on earthworm abundance, biomass, diversity and corresponding environmental properties. *Scientific Data*, **2021**, 8, 136	8.2	4
114	Using Artificial Seagrass for Promoting Positive Feedback Mechanisms in Seagrass Restoration. *Frontiers in Marine Science*, **2021**, 8,	4.5	1
113	Water Ecosystem Services Footprint of agricultural production in Central Italy. *Science of the Total Environment*, **2021**, 797, 149095	10.2	2
112	A standard protocol for reporting species distribution models. *Ecography*, **2020**, 43, 1261-1277	6.5	141
111	The 'GartenApp'Assessing and Communicating the Ecological Potential of Private Gardens. *Sustainability*, **2020**, 12, 95	3.6	5
110	Transdisciplinary knowledge management: A key but underdeveloped skill in EBM decision-making. *Marine Policy*, **2020**, 119, 104020	3.5	3
109	Predicting urban cold-air paths using boosted regression trees. *Landscape and Urban Planning*, **2020**, 201, 103843	7.7	9
108	Disentangling the effects of host resources, local, and landscape variables on the occurrence pattern of the dusky large blue butterfly (Phengaris nausithous) in upland grasslands. *Journal of Insect Conservation*, **2020**, 24, 327-341	2.1	2
107	Macroecology as a hub between research disciplines: Opportunities, challenges and possible ways forward. *Journal of Biogeography*, **2020**, 47, 13-15	4.1	4
106	Global distribution of earthworm diversity. *Science*, **2019**, 366, 480-485	33.3	113
105	Basic reproduction number of Lyme disease spirochaetes –modelling various genospecies-host associations in Central Europe. *Ecological Modelling*, **2019**, 411, 108821	3	
104	The 'Hidden Urbanization'Trends of Impervious Surface in Low-Density Housing Developments and Resulting Impacts on the Water Balance. *Frontiers in Environmental Science*, **2019**, 7,	4.8	15
103	Environmental filtering predicts plant-community trait distribution and diversity: Kettle holes as models of meta-community systems. *Ecology and Evolution*, **2019**, 9, 1898-1910	2.8	15
102	Contrasting elevational responses of regularly flooded marsh plants in navigable estuaries. *Ecohydrology and Hydrobiology*, **2019**, 19, 38-53	2.8	5
101	Plant species richness and functional groups have different effects on soil water content in a decade-long grassland experiment. *Journal of Ecology*, **2019**, 107, 127-141	6	42

100	Layering Action Situations to Integrate Spatial Scales, Resource Linkages, and Change over Time: The Case of Groundwater Management in Agricultural Hubs in Germany. *Policy Studies Journal*, **2019**,	3.6	10
99	Livestock Farming at the Expense of Water Resources? The Water–Energy–Food Nexus in Regions with Intensive Livestock Farming. *Water (Switzerland)*, **2019**, 11, 2330	3	3
98	Open access solutions for biodiversity journals: Do not replace one problem with another. *Diversity and Distributions*, **2019**, 25, 5-8	5	10
97	Biological traits explain bryophyte species distributions and responses to forest fragmentation and climatic variation. *Journal of Ecology*, **2018**, 106, 1700-1713	6	24
96	Model averaging in ecology: a review of Bayesian, information-theoretic, and tactical approaches for predictive inference. *Ecological Monographs*, **2018**, 88, 485-504	9	105
95	Detecting dominant changes in irregularly sampled multivariate water quality data sets. *Hydrology and Earth System Sciences*, **2018**, 22, 4401-4424	5.5	1
94	Novel model coupling approach for resilience analysis of coastal plant communities **2018**, 28, 1640-1654		4
93	Impact of Temporal Macropore Dynamics on Infiltration: Field Experiments and Model Simulations. *Vadose Zone Journal*, **2018**, 17, 170147	2.7	10
92	Variability of earthworm-induced biopores and their hydrological effectiveness in space and time. *Pedobiologia*, **2018**, 71, 8-19	1.7	15
91	Identifying suitable multifunctional restoration areas for Forest Landscape Restoration in Central Chile. *Ecosphere*, **2017**, 8, e01644	3.1	26
90	The impact of crop parameters and surrounding habitats on different pollinator group abundance on agricultural fields. *Agriculture, Ecosystems and Environment*, **2017**, 243, 55-66	5.7	13
89	Cross-validation strategies for data with temporal, spatial, hierarchical, or phylogenetic structure. *Ecography*, **2017**, 40, 913-929	6.5	566
88	Which factors and processes drive the spatio-temporal dynamics of brackish marshes?–Insights from development and parameterisation of a mechanistic vegetation model. *Ecological Modelling*, **2017**, 363, 122-136	3	4
87	Plant distribution and stand characteristics in brackish marshes: Unravelling the roles of abiotic factors and interspecific competition. *Estuarine, Coastal and Shelf Science*, **2017**, 196, 237-247	2.9	11
86	Towards mapping soil carbon landscapes: Issues of sampling scale and transferability. *Soil and Tillage Research*, **2016**, 156, 194-208	6.5	21
85	Potential effects of tillage and field borders on within-field spatial distribution patterns of earthworms. *Agriculture, Ecosystems and Environment*, **2016**, 228, 82-90	5.7	5
84	First genetic evidence of illegal trade in endangered European eel (Anguilla anguilla) from Europe to Asia. *Conservation Genetics Resources*, **2016**, 8, 533-537	0.8	11
83	Effects of functional traits on the prediction accuracy of species richness models. *Diversity and Distributions*, **2016**, 22, 905-917	5	9

82	Accumulation and variability of maize pollen deposition on leaves of European Lepidoptera host plants and relation to release rates and deposition determined by standardised technical sampling. *Environmental Sciences Europe*, **2016**, 28, 14	5	13
81	Downstream Migration of the European Eel (Anguilla Anguilla) in the Elbe River, Germany: Movement Patterns and the Potential Impact of Environmental Factors. *River Research and Applications*, **2016**, 32, 666-676	2.3	30
80	Which abiotic filters shape earthworm distribution patterns at the catchment scale?. *European Journal of Soil Science*, **2016**, 67, 431-442	3.4	5
79	Vegetation as self-adaptive coastal protection: Reduction of current velocity and morphologic plasticity of a brackish marsh pioneer. *Ecology and Evolution*, **2016**, 6, 1579-89	2.8	25
78	Facilitating political decisions using species distribution models to assess restoration measures in heavily modified estuaries. *Marine Pollution Bulletin*, **2016**, 110, 250-260	6.7	6
77	Soil changes under different land-uses in the Cerrado of Mato Grosso, Brazil. *Geoderma Regional*, **2015**, 4, 31-43	2.7	29
76	The Brazilian Cerrado: assessment of water and soil degradation in catchments under intensive agricultural use. *Ecohydrology*, **2015**, 8, 1154-1180	2.5	89
75	Biodiversity research: data without theory□□theory without data. *Frontiers in Ecology and Evolution*, **2015**, 3,	3.7	11
74	Ecosystem Engineering by Plants on Wave-Exposed Intertidal Flats Is Governed by Relationships between Effect and Response Traits. *PLoS ONE*, **2015**, 10, e0138086	3.7	33
73	Bark Beetles Increase Biodiversity While Maintaining Drinking Water Quality. *Conservation Letters*, **2015**, 8, 272-281	6.9	105
72	Predicting spatial and temporal habitat use of rodents in a highly intensive agricultural area. *Agriculture, Ecosystems and Environment*, **2014**, 189, 145-153	5.7	35
71	Climate change shifts environmental space and limits transferability of treeline models. *Ecography*, **2014**, 37, 321-335	6.5	15
70	Assessing species vulnerability to climate and land use change: the case of the Swiss breeding birds. *Diversity and Distributions*, **2014**, 20, 708-719	5	49
69	Controls of event-based pesticide leaching in natural soils: A systematic study based on replicated field scale irrigation experiments. *Journal of Hydrology*, **2014**, 512, 528-539	6	24
68	Linking spatial earthworm distribution to macropore numbers and hydrological effectiveness. *Ecohydrology*, **2014**, 7, 401-408	2.5	52
67	HESS Opinions: From response units to functional units: a thermodynamic reinterpretation of the HRU concept to link spatial organization and functioning of intermediate scale catchments. *Hydrology and Earth System Sciences*, **2014**, 18, 4635-4655	5.5	70
66	Regionalizing Indicator Values for Soil Reaction in the Bavarian Alps â□from Averages to Multivariate Spectra. *Folia Geobotanica*, **2014**, 49, 385-405	1.4	7
65	Predicting Ellenberg's soil moisture indicator value in the Bavarian Alps using additive georegression. *Applied Vegetation Science*, **2013**, 16, 110-121	3.3	13

64   Integrating movement ecology with biodiversity research - exploring new avenues to address spatiotemporal biodiversity dynamics. *Movement Ecology*, **2013**, 1, 6   4.6   121

63   Collinearity: a review of methods to deal with it and a simulation study evaluating their performance. *Ecography*, **2013**, 36, 27-46   6.5   4125

62   Modelling distribution patterns of anecic, epigeic and endogeic earthworms at catchment-scale in agro-ecosystems. *Pedobiologia*, **2013**, 56, 23-31   1.7   43

61   Biotic controls on shallow translational landslides. *Earth Surface Processes and Landforms*, **2013**, 38, 198-212   3.7   9

60   How can we bring together empiricists and modellers in functional biodiversity research?. *Basic and Applied Ecology*, **2013**, 14, 93-101   3.2   18

59   The importance of correcting for sampling bias in MaxEnt species distribution models. *Diversity and Distributions*, **2013**, 19, 1366-1379   5   563

58   Process, correlation and parameter fitting in species distribution models: a response to Kriticos et al. *Journal of Biogeography*, **2013**, 40, 612-613   4.1   6

57   Spatial stratification of various Lyme disease spirochetes in a Central European site. *FEMS Microbiology Ecology*, **2013**, 83, 738-44   4.3   11

56   Natural Landslides Which Impact Current Regulating Services: Environmental Preconditions and Modeling. *Ecological Studies*, **2013**, 153-170   1.1   2

55   Climate Change and Its Impact on Current and Future Vegetation Dynamics and Carbon Cycling. *Ecological Studies*, **2013**, 331-341   1.1

54   How can statistical models help to determine driving factors of landslides?. *Ecological Modelling*, **2012**, 239, 27-39   3   211

53   Correlation and process in species distribution models: bridging a dichotomy. *Journal of Biogeography*, **2012**, 39, 2119-2131   4.1   414

52   Uncertainty in predictions of range dynamics: black grouse climbing the Swiss Alps. *Ecography*, **2012**, 35, 590-603   6.5   48

51   Predicting event response in a nested catchment with generalized linear models and a distributed watershed model. *Hydrological Processes*, **2012**, 26, 3749-3769   3.3   23

50   How to understand species' niches and range dynamics: a demographic research agenda for biogeography. *Journal of Biogeography*, **2012**, 39, 2146-2162   4.1   205

49   Predicting to new environments: tools for visualizing model behaviour and impacts on mapped distributions. *Diversity and Distributions*, **2012**, 18, 628-634   5   80

48   Perspectives in modelling earthworm dynamics and their feedbacks with abiotic soil properties. *Applied Soil Ecology*, **2012**, 58, 29-36   5   20

47   Spatial disaggregation of complex soil map units: A decision-tree based approach in Bavarian forest soils. *Geoderma*, **2012**, 185-186, 37-47   6.7   75

46	Habitat at the mountain tops: how long can Rock Ptarmigan (Lagopus muta helvetica) survive rapid climate change in the Swiss Alps? A multi-scale approach. *Journal of Ornithology*, **2012**, 153, 891-905	1.5	53
45	Ecological–Economic optimization of biodiversity conservation under climate change. *Nature Climate Change*, **2011**, 1, 355-359	21.4	77
44	A functional entity approach to predict soil erosion processes in a small Plio-Pleistocene Mediterranean catchment in Northern Chianti, Italy. *Geomorphology*, **2011**, 125, 530-540	4.3	55
43	Biodiversity and the mitigation of climate change through bioenergy: impacts of increased maize cultivation on farmland wildlife. *GCB Bioenergy*, **2011**, 3, 472-482	5.6	47
42	Factors influencing vegetation cover change in Mediterranean Central Chile (1975–2008). *Applied Vegetation Science*, **2011**, 14, 571-582	3.3	41
41	Understanding species and community response to environmental change – A functional trait perspective. *Agriculture, Ecosystems and Environment*, **2011**, 145, 1-4	5.7	25
40	Eresus kollari (Araneae: Eresidae) calls for heathland management. *Journal of Arachnology*, **2011**, 39, 384-392	1.1	3
39	Decomposing environmental, spatial, and spatiotemporal components of species distributions. *Ecological Monographs*, **2011**, 81, 329-347	9	60
38	Mountain ecosystem response to global change. *Erdkunde*, **2011**, 65, 189-213	1.1	34
37	Habitat selection of the globally threatened Aquatic Warbler Acrocephalus paludicola at the western margin of its breeding range and implications for management. *Ibis*, **2010**, 152, 347-358	1.9	40
36	The virtual ecologist approach: simulating data and observers. *Oikos*, **2010**, 119, 622-635	4	193
35	Challenges of simulating complex environmental systems at the landscape scale: A controversial dialogue between two cups of espresso. *Ecological Modelling*, **2009**, 220, 3481-3489	3	45
34	Process identification through rejection of model structures in a mid-mountainous rural catchment: observations of rainfall–runoff response, geophysical conditions and model inter-comparison. *Hydrological Processes*, **2009**, 23, 702-718	3.3	39
33	Modelling habitat selection of the cryptic Hazel Grouse Bonasa bonasia in a montane forest. *Journal of Ornithology*, **2009**, 150, 717-732	1.5	33
32	Habitat quality matters for the distribution of an endangered leaf beetle and its egg parasitoid in a fragmented landscape. *Journal of Insect Conservation*, **2009**, 13, 165-175	2.1	18
31	Static species distribution models in dynamically changing systems: how good can predictions really be?. *Ecography*, **2009**, 32, 733-744	6.5	100
30	Predicting the occurrence of Middle Spotted Woodpecker Dendrocopos medius on a regional scale, using forest inventory data. *Forest Ecology and Management*, **2009**, 257, 502-509	3.9	28
29	Simulating forest dynamics of a tropical montane forest in South Ecuador. *Erdkunde*, **2009**, 63, 347-364	1.1	29

28	Components of uncertainty in species distribution analysis: a case study of the Great Grey Shrike. *Ecology*, **2008**, 89, 3371-86	4.6	153
27	A landscape model for quantifying the trade-off between conservation needs and economic constraints in the management of a semi-natural grassland community. *Biological Conservation*, **2008**, 141, 719-732	6.2	22
26	Annual plants under cyclic disturbance regime: better understanding through model aggregation **2008**, 18, 2000-15		11
25	Challenges of species distribution modeling belowground. *Journal of Plant Nutrition and Soil Science*, **2008**, 171, 325-337	2.3	34
24	Connectivity compensates for low habitat quality and small patch size in the butterfly Cupido minimus. *Ecological Research*, **2008**, 23, 259-269	1.9	25
23	Modelling the recent and potential future spatial distribution of the Ring Ouzel (Turdus torquatus) and Blackbird (T. merula) in Switzerland. *Journal of Ornithology*, **2008**, 149, 529-544	1.5	30
22	Estimation of suspended sediment concentration and yield using linear models, random forests and quantile regression forests. *Hydrological Processes*, **2008**, 22, 4892-4904	3.3	73
21	Habitat models and their transfer for single and multi species groups: a case study of carabids in an alluvial forest. *Ecography*, **2008**, 24, 483-496	6.5	7
20	Integrated Grid Based Ecological and Economic (INGRID) landscape model â A tool to support landscape management decisions. *Environmental Modelling and Software*, **2007**, 22, 177-187	5.2	20
19	The generality of habitat suitability models: A practical test with two insect groups. *Basic and Applied Ecology*, **2007**, 8, 310-320	3.2	13
18	Mosaic cycles in agricultural landscapes of Northwest Europe. *Basic and Applied Ecology*, **2007**, 8, 295-309.	3.2	47
17	Habitat suitability models for the conservation of thermophilic grasshoppers and bush cricketsâsimple or complex?. *Journal of Insect Conservation*, **2007**, 11, 221-240	2.1	16
16	Modelling habitat and spatial distribution of an endangered longhorn beetle â A case study for saproxylic insect conservation. *Biological Conservation*, **2007**, 137, 372-381	6.2	126
15	Methods to account for spatial autocorrelation in the analysis of species distributional data: a review. *Ecography*, **2007**, 30, 609-628	6.5	2078
14	Constrain to perform: Regularization of habitat models. *Ecological Modelling*, **2006**, 193, 675-690	3	106
13	Analysis of patternâprocess interactions based on landscape modelsâOverview, general concepts, and methodological issues. *Ecological Modelling*, **2006**, 199, 505-516	3	101
12	Temporal and spatial dynamic of stool uprooting in abandoned chestnut coppice forests. *Forest Ecology and Management*, **2006**, 235, 88-95	3.9	24
11	Pattern, process, and function in landscape ecology and catchment hydrology â how can quantitative landscape ecology support predictions in ungauged basins?. *Hydrology and Earth System Sciences*, **2006**, 10, 967-979	5.5	47

10	Habitat models and habitat connectivity analysis for butterflies and burnet moths – The example of Zygaena carniolica and Coenonympha arcania. *Biological Conservation*, **2005**, 126, 247-259	6.2	66
9	How Much Suitable Habitat is Left for the Last Known Population of the Pale-Headed Brush-Finch?. *Condor*, **2004**, 106, 429-434	2.1	2
8	HOW MUCH SUITABLE HABITAT IS LEFT FOR THE LAST KNOWN POPULATION OF THE PALE-HEADED BRUSH-FINCH?. *Condor*, **2004**, 106, 429	2.1	2
7	Habitat selection by the pale-headed brush-finch (Atlapetes pallidiceps) in southern Ecuador: implications for conservation. *Biological Conservation*, **2004**, 118, 33-40	6.2	44
6	Predicting the species composition of Nardus stricta communities by logistic regression modelling. *Journal of Vegetation Science*, **2004**, 15, 623-634	3.1	29
5	Cowbird parasitism of Pale-headed Brush-finch Atlapetes pallidiceps: implications for conservation and management. *Bird Conservation International*, **2004**, 14, 63-75	1.7	17
4	Predicting the species composition of Nardus stricta communities by logistic regression modelling. *Journal of Vegetation Science*, **2004**, 15, 623	3.1	2
3	Population dynamics and habitat connectivity affecting the spatial spread of populations – a simulation study. *Landscape Ecology*, **2002**, 17, 57-70	4.3	59
2	Habitat models and their transfer for single and multi species groups: a case study of carabids in an alluvial forest. *Ecography*, **2001**, 24, 483-496	6.5	65
1	TOPOI – A method for analysing settlement units and their linkages in an urban–rural fabric. *Environment and Planning B: Urban Analytics and City Science*,239980832110438	2	2