Rob Alkemade

List of Publications by Year in Descending Order

85 papers	11,917 citations	42 h-index	88 g-index
88 ext. papers	13,926 ext. citations	7.8 avg, IF	6.18 L-index

#	Paper	IF	Citations
85	Relative effects of land conversion and land-use intensity on terrestrial vertebrate diversity.. *Nature Communications*, **2022**, 13, 615	17.4	4
84	Global biodiversity assessments need to consider mixed multifunctional land-use systems. *Current Opinion in Environmental Sustainability*, **2022**, 56, 101174	7.2	0
83	Global agricultural trade and land system sustainability: Implications for ecosystem carbon storage, biodiversity, and human nutrition. *One Earth*, **2021**,	8.1	7
82	Biological diversity and climate change **2021**, 541-559		
81	Exploring interaction effects from mechanisms between climate and land-use changes and the projected consequences on biodiversity. *Biodiversity and Conservation*, **2021**, 30, 3685	3.4	0
80	Quantifying interregional flows of multiple ecosystem services □A case study for Germany. *Global Environmental Change*, **2020**, 61, 102051	10.1	27
79	Mapping co-benefits for carbon storage and biodiversity to inform conservation policy and action. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2020**, 375, 20190128	5.8	45
78	Potential biodiversity change in Central Asian grasslands: scenarios for the impact of climate and land-use change. *Regional Environmental Change*, **2020**, 20, 1	4.3	6
77	Increasing capacity to produce scenarios and models for biodiversity and ecosystem services. *Biota Neotropica*, **2020**, 20,	1.3	1
76	Assessing land-based mitigation implications for biodiversity. *Environmental Science and Policy*, **2020**, 106, 68-76	6.2	3
75	Projecting terrestrial biodiversity intactness with GLOBIO 4. *Global Change Biology*, **2020**, 26, 760-771	11.4	42
74	Challenges in producing policy-relevant global scenarios of biodiversity and ecosystem services. *Global Ecology and Conservation*, **2020**, 22, e00886	2.8	10
73	Developing multiscale and integrative nature□people scenarios using the Nature Futures Framework. *People and Nature*, **2020**, 2, 1172-1195	5.9	36
72	Response to commentary □owards more meaningful scenarios of biodiversity responses to land-use change in Central Asia. *Regional Environmental Change*, **2020**, 20, 1	4.3	
71	Bending the curve of terrestrial biodiversity needs an integrated strategy. *Nature*, **2020**, 585, 551-556	50.4	149
70	Future projections of biodiversity and ecosystem services in Europe with two integrated assessment models. *Regional Environmental Change*, **2020**, 20, 1	4.3	5
69	Guidance for assessing interregional ecosystem service flows. *Ecological Indicators*, **2019**, 105, 92-106	5.8	27

68	Assessing the impacts of climate change on biodiversity: is below 2 °C enough?. *Climatic Change*, **2019**, 154, 351-365	4.5	56
67	Determining sectoral and regional sensitivity to climate and socio-economic change in Europe using impact response surfaces. *Regional Environmental Change*, **2019**, 19, 679-693	4.3	12
66	Combining policy analyses, exploratory scenarios, and integrated modelling to assess land use policy options. *Environmental Science and Policy*, **2019**, 94, 202-210	6.2	6
65	Impacts of nitrogen addition on plant species richness and abundance: A global meta-analysis. *Global Ecology and Biogeography*, **2019**, 28, 398-413	6.1	75
64	Interregional flows of ecosystem services: Concepts, typology and four cases. *Ecosystem Services*, **2018**, 31, 231-241	6.1	91
63	Pathways for agriculture and forestry to contribute to terrestrial biodiversity conservation: A global scenario-study. *Biological Conservation*, **2018**, 221, 137-150	6.2	49
62	New EU-scale environmental scenarios until 2050 Scenario process and initial scenario applications. *Ecosystem Services*, **2018**, 29, 542-551	6.1	11
61	A protocol for an intercomparison of biodiversity and ecosystem services models using harmonized land-use and climate scenarios. *Geoscientific Model Development*, **2018**, 11, 4537-4562	6.3	42
60	Opportunity Cost Estimation of Ecosystem Services. *Environmental and Resource Economics*, **2017**, 66, 717-747	4.4	5
59	Linking national wood consumption with global biodiversity and ecosystem service losses. *Science of the Total Environment*, **2017**, 586, 985-994	10.2	23
58	The impact of hunting on tropical mammal and bird populations. *Science*, **2017**, 356, 180-183	33.3	229
57	Overcoming water challenges through nature-based solutions. *Water Policy*, **2017**, 19, 820-836	1.6	21
56	Multiscale scenarios for nature futures. *Nature Ecology and Evolution*, **2017**, 1, 1416-1419	12.3	90
55	Differentiating the effects of climate and land use change on European biodiversity: A scenario analysis. *Ambio*, **2017**, 46, 277-290	6.5	9
54	Dispersal based climate change sensitivity scores for European species. *Ecological Indicators*, **2016**, 71, 41-46	5.8	11
53	Projecting Global Biodiversity Indicators under Future Development Scenarios. *Conservation Letters* , **2016**, 9, 5-13	6.9	128
52	Exploring the biophysical option space for feeding the world without deforestation. *Nature Communications*, **2016**, 7, 11382	17.4	169
51	Land use biodiversity impacts embodied in international food trade. *Global Environmental Change*, **2016**, 38, 195-204	10.1	118

50	Evaluating the impacts of wood production and trade on bird extinction risks. *Ecological Indicators*, **2016**, 71, 368-376	5.8	11
49	Effects of different management regimes on soil erosion and surface runoff in semi-arid to sub-humid rangelands. *Journal of Arid Environments*, **2015**, 121, 100-111	2.5	23
48	Pathways to achieve a set of ambitious global sustainability objectives by 2050: Explorations using the IMAGE integrated assessment model. *Technological Forecasting and Social Change*, **2015**, 98, 303-323	9.5	104
47	Effects of different management regimes on mangrove ecosystem services in Java, Indonesia. *Ocean and Coastal Management*, **2015**, 116, 353-367	3.9	31
46	Trading Land: A Review of Approaches to Accounting for Upstream Land Requirements of Traded Products. *Journal of Industrial Ecology*, **2015**, 19, 703-714	7.2	44
45	GLOBIO-Aquatic, a global model of human impact on the biodiversity of inland aquatic ecosystems. *Environmental Science and Policy*, **2015**, 48, 99-114	6.2	62
44	Functional traits, land-use change and the structure of present and future bird communities in tropical forests. *Global Ecology and Biogeography*, **2014**, 23, 1073-1084	6.1	22
43	Mapping and modelling trade-offs and synergies between grazing intensity and ecosystem services in rangelands using global-scale datasets and models. *Global Environmental Change*, **2014**, 29, 223-234	10.1	72
42	Approaches to defining a planetary boundary for biodiversity. *Global Environmental Change*, **2014**, 28, 289-297	10.1	157
41	Interacting Regional-Scale Regime Shifts for Biodiversity and Ecosystem Services. *BioScience*, **2014**, 64, 665-679	5.7	32
40	A mid-term analysis of progress toward international biodiversity targets. *Science*, **2014**, 346, 241-4	33.3	774
39	The impact of river regulation on the biodiversity intactness of floodplain wetlands. *Wetlands Ecology and Management*, **2014**, 22, 647-658	2.1	19
38	Land management implications for ecosystem services in a South African rangeland. *Ecological Indicators*, **2014**, 45, 692-703	5.8	19
37	Developing a methodology for a species-based and spatially explicit indicator for biodiversity on agricultural land in the EU. *Ecological Indicators*, **2014**, 37, 186-198	5.8	46
36	Integrating Biodiversity and Ecosystem Services in the Post-2015 Development Agenda: Goal Structure, Target Areas and Means of Implementation. *Sustainability*, **2014**, 6, 193-216	3.6	29
35	A framework to identify enabling and urgent actions for the 2020 Aichi Targets. *Basic and Applied Ecology*, **2014**, 15, 633-638	3.2	47
34	Land use impacts on biodiversity in LCA: a global approach. *International Journal of Life Cycle Assessment*, **2013**, 18, 1216-1230	4.6	212
33	Challenges and opportunities in mapping land use intensity globally. *Current Opinion in Environmental Sustainability*, **2013**, 5, 484-493	7.2	223

32	Ecological traits affect the response of tropical forest bird species to land-use intensity. *Proceedings of the Royal Society B: Biological Sciences*, **2013**, 280, 20122131	4.4	191
31	A blueprint for mapping and modelling ecosystem services. *Ecosystem Services*, **2013**, 4, 4-14	6.1	459
30	Trade-off analysis of ecosystem services in Eastern Europe. *Ecosystem Services*, **2013**, 4, 82-94	6.1	53
29	Assessing the impacts of livestock production on biodiversity in rangeland ecosystems. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 20900-5	11.5	138
28	Mapping ecosystem functions and services in Eastern Europe using global-scale data sets. *International Journal of Biodiversity Science, Ecosystem Services & Management*, **2012**, 8, 156-168		39
27	Framework for systematic indicator selection to assess effects of land management on ecosystem services. *Ecological Indicators*, **2012**, 21, 110-122	5.8	312
26	Synergies and trade-offs between ecosystem service supply, biodiversity, and habitat conservation status in Europe. *Biological Conservation*, **2012**, 155, 1-12	6.2	377
25	International wood trade and forest change: A global analysis. *Global Environmental Change*, **2011**, 21, 947-956	10.1	96
24	Consequences of Uncertainty in Global-Scale Land Cover Maps for Mapping Ecosystem Functions: An Analysis of Pollination Efficiency. *Remote Sensing*, **2011**, 3, 2057-2075	5	40
23	Towards a general relationship between climate change and biodiversity: an example for plant species in Europe. *Regional Environmental Change*, **2011**, 11, 143-150	4.3	25
22	Future hotspots of terrestrial mammal loss. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2011**, 366, 2693-702	5.8	94
21	Global assessment of nitrogen deposition effects on terrestrial plant diversity: a synthesis **2010**, 20, 30-59		1624
20	Scenarios for global biodiversity in the 21st century. *Science*, **2010**, 330, 1496-501	33.3	1259
19	The impacts of roads and other infrastructure on mammal and bird populations: A meta-analysis. *Biological Conservation*, **2010**, 143, 1307-1316	6.2	540
18	Challenges in integrating the concept of ecosystem services and values in landscape planning, management and decision making. *Ecological Complexity*, **2010**, 7, 260-272	2.6	2065
17	Projecting land-use change and its consequences for biodiversity in northern Thailand. *Environmental Management*, **2010**, 45, 626-39	3.1	83
16	Quantifying the effect of catchment land use and water nutrient concentrations on freshwater river and stream biodiversity. *Aquatic Conservation: Marine and Freshwater Ecosystems*, **2009**, 19, 104-112	2.6	97
15	GLOBIO3: A Framework to Investigate Options for Reducing Global Terrestrial Biodiversity Loss. *Ecosystems*, **2009**, 12, 374-390	3.9	345

14	Scenarios of biodiversity loss in southern Africa in the 21st century. *Global Environmental Change*, **2008**, 18, 296-309	10.1	71
13	Combining biodiversity modeling with political and economic development scenarios for 25 EU countries. *Ecological Economics*, **2007**, 62, 267-276	5.6	57
12	Impacts of different climate stabilisation scenarios on plant species in Europe. *Global Environmental Change*, **2006**, 16, 19-28	10.1	39
11	Impacts of land-use change on biodiversity: An assessment of agricultural biodiversity in the European Union. *Agriculture, Ecosystems and Environment*, **2006**, 114, 86-102	5.7	246
10	Path analyses of the influence of substrate composition on nematode numbers and on decomposition of stranded seaweed at an Antarctic coast. *Journal of Sea Research*, **1993**, 31, 63-70		12
9	Stimulation of decomposition of Spartina anglica leaves by the bacterivorous marine nematode Diplolaimelloides bruciei (Monhysteridae). *Journal of Experimental Marine Biology and Ecology*, **1992** , 159, 267-278	2.1	32
8	Community structure and functional roles of meiofauna in the North Sea. *Netherlands Journal of Aquatic Ecology*, **1992**, 26, 31-41		10
7	Linkage between Biodiversity, Land Use Informatics and Climate Change1-22		
6	Modeling Land Use and Biodiversity in Northern Thailand199-218		1
5	Biodiversity post-2020: Closing the gap between global targets and national-level implementation. *Conservation Letters*,e12848	6.9	1
4	Applying GLOBIO at Different Geographical Levels150-170		1
3	Assessing ambitious nature conservation strategies within a 2 degree warmer and food-secure world		1
2	Global trends in biodiversity and ecosystem services from 1900 to 2050		3
1	A protocol for an intercomparison of biodiversity and ecosystem services models using harmonized land-use and climate scenarios		1