

Wolfgang Cramer

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

143
papers

20,604
citations

59
h-index

143
g-index

162
ext. papers

22,839
ext. citations

7.8
avg, IF

6.21
L-index

#	Paper	IF	Citations
143	Machine-learning-based evidence and attribution mapping of 100,000 climate impact studies. <i>Nature Climate Change</i> , 2021 , 11, 966-972	21.4	14
142	Nitrogen dynamics in cropping systems under Mediterranean climate: a systemic analysis. <i>Environmental Research Letters</i> , 2021 , 16, 073002	6.2	4
141	Eco-evolutionary optimality as a means to improve vegetation and land-surface models. <i>New Phytologist</i> , 2021 , 231, 2125-2141	9.8	10
140	Organizing principles for vegetation dynamics. <i>Nature Plants</i> , 2020 , 6, 444-453	11.5	32
139	What ecologists should know before using land use/cover change projections for biodiversity and ecosystem service assessments. <i>Regional Environmental Change</i> , 2020 , 20, 1	4.3	5
138	The impact of conservation farming practices on Mediterranean agro-ecosystem services provisioning – meta-analysis. <i>Regional Environmental Change</i> , 2019 , 19, 2187-2202	4.3	26
137	Impact of land cover change on ecosystem service supply in mountain systems: a case study in the Cantabrian Mountains (NW of Spain). <i>Regional Environmental Change</i> , 2019 , 19, 529-542	4.3	33
136	Global change effects on land management in the Mediterranean region. <i>Global Environmental Change</i> , 2018 , 50, 238-254	10.1	57
135	Impacts of urbanization around Mediterranean cities: Changes in ecosystem service supply. <i>Ecological Indicators</i> , 2018 , 91, 589-606	5.8	61
134	Focus on cross-scale feedbacks in global sustainable land management. <i>Environmental Research Letters</i> , 2018 , 13, 090402	6.2	6
133	Climate change and interconnected risks to sustainable development in the Mediterranean. <i>Nature Climate Change</i> , 2018 , 8, 972-980	21.4	403
132	Ecosystem services in global sustainability policies. <i>Environmental Science and Policy</i> , 2017 , 74, 40-48	6.2	83
131	Pathways to bridge the biophysical realism gap in ecosystem services mapping approaches. <i>Ecological Indicators</i> , 2017 , 74, 241-260	5.8	74
130	Ecosystem Services 2017 , 39-78		11
129	Simple process-led algorithms for simulating habitats (SPLASH ^v .1.0): robust indices of radiation, evapotranspiration and plant-available moisture. <i>Geoscientific Model Development</i> , 2017 , 10, 689-708	6.3	43
128	Global scenarios for biodiversity need to better integrate climate and land use change. <i>Diversity and Distributions</i> , 2017 , 23, 1231-1234	5	41
127	Assessing inter-sectoral climate change risks: the role of ISIMIP. <i>Environmental Research Letters</i> , 2017 , 12, 010301	6.2	30

126	Plant litter mixture partly mitigates the negative effects of extended drought on soil biota and litter decomposition in a Mediterranean oak forest. <i>Journal of Ecology</i> , 2017 , 105, 801-815	6	58
125	Linking local impacts to changes in climate: a guide to attribution. <i>Regional Environmental Change</i> , 2016 , 16, 527-541	4.3	19
124	Climate change: The 2015 Paris Agreement thresholds and Mediterranean basin ecosystems. <i>Science</i> , 2016 , 354, 465-468	33.3	146
123	Rapid systematic assessment of the detection and attribution of regional anthropogenic climate change. <i>Climate Dynamics</i> , 2016 , 47, 1399-1415	4.2	8
122	Assessing the observed impact of anthropogenic climate change. <i>Nature Climate Change</i> , 2016 , 6, 532-537	11.4	52
121	Ecosystem Services Supplied by Mediterranean Basin Ecosystems 2016 , 405-414		9
120	Climate change increases riverine carbon outgassing, while export to the ocean remains uncertain. <i>Earth System Dynamics</i> , 2016 , 7, 559-582	4.8	6
119	Mediterranean irrigation under climate change: more efficient irrigation needed to compensate for increases in irrigation water requirements. <i>Hydrology and Earth System Sciences</i> , 2016 , 20, 953-973	5.5	97
118	Biodiversity scenarios neglect future land-use changes. <i>Global Change Biology</i> , 2016 , 22, 2505-15	11.4	146
117	Deforestation in Amazonia impacts riverine carbon dynamics. <i>Earth System Dynamics</i> , 2016 , 7, 953-968	4.8	4
116	Reconciling justice and attribution research to advance climate policy. <i>Nature Climate Change</i> , 2016 , 6, 901-908	21.4	43
115	Linking biodiversity, ecosystem services, and human well-being: three challenges for designing research for sustainability. <i>Current Opinion in Environmental Sustainability</i> , 2015 , 14, 76-85	7.2	405
114	Effects of climate extremes on the terrestrial carbon cycle: concepts, processes and potential future impacts. <i>Global Change Biology</i> , 2015 , 21, 2861-80	11.4	454
113	Potential and limitations of the attribution of climate change impacts for informing loss and damage discussions and policies. <i>Climatic Change</i> , 2015 , 133, 453-467	4.5	30
112	National indicators for observing ecosystem service change. <i>Global Environmental Change</i> , 2015 , 35, 12-21	21.1	24
111	10 Years Later. <i>Advances in Ecological Research</i> , 2015 , 53, 1-53	4.6	28
110	Modelling Mediterranean agro-ecosystems by including agricultural trees in the LPJmL model. <i>Geoscientific Model Development</i> , 2015 , 8, 3545-3561	6.3	21
109	The evolution of the evidence base for observed impacts of climate change. <i>Current Opinion in Environmental Sustainability</i> , 2015 , 14, 187-197	7.2	5

108	Quantifying range-wide variation in population trends from local abundance surveys and widespread opportunistic occurrence records. <i>Methods in Ecology and Evolution</i> , 2014 , 5, 751-760	7.7	43
107	Impact of droughts on the carbon cycle in European vegetation: a probabilistic risk analysis using six vegetation models. <i>Biogeosciences</i> , 2014 , 11, 6357-6375	4.6	27
106	Spatial decoupling of agricultural production and consumption: quantifying dependences of countries on food imports due to domestic land and water constraints. <i>Environmental Research Letters</i> , 2013 , 8, 014046	6.2	192
105	The challenge to detect and attribute effects of climate change on human and natural systems. <i>Climatic Change</i> , 2013 , 121, 381-395	4.5	69
104	Precipitation-driven decrease in wildfires in British Columbia. <i>Regional Environmental Change</i> , 2013 , 13, 165-177	4.3	9
103	Science to Policy Linkages for the Post-2010 Biodiversity Targets 2013 , 291-310		3
102	A novel probabilistic risk analysis to determine the vulnerability of ecosystems to extreme climatic events. <i>Environmental Research Letters</i> , 2013 , 8, 015032	6.2	26
101	Can bioenergy cropping compensate high carbon emissions from large-scale deforestation of high latitudes?. <i>Earth System Dynamics</i> , 2013 , 4, 409-424	4.8	5
100	Potential effects of climate change on inundation patterns in the Amazon Basin. <i>Hydrology and Earth System Sciences</i> , 2013 , 17, 2247-2262	5.5	44
99	Program on ecosystem change and society: an international research strategy for integrated social-ecological systems. <i>Current Opinion in Environmental Sustainability</i> , 2012 , 4, 134-138	7.2	74
98	Biodiversity and ecosystem services science for a sustainable planet: the DIVERSITAS vision for 2012-20. <i>Current Opinion in Environmental Sustainability</i> , 2012 , 4, 101-105	7.2	50
97	A Global System for Monitoring Ecosystem Service Change. <i>BioScience</i> , 2012 , 62, 977-986	5.7	124
96	Projecting the future distribution of European potential natural vegetation zones with a generalized, tree species-based dynamic vegetation model. <i>Global Ecology and Biogeography</i> , 2012 , 21, 50-63	6.1	304
95	Extreme fire events are related to previous-year surface moisture conditions in permafrost-underlain larch forests of Siberia. <i>Environmental Research Letters</i> , 2012 , 7, 044021	6.2	39
94	The Role of Ecosystem Services in Increasing the Adaptive Capacity of the Poor 2012 , 179-191		
93	Internal and external green-blue agricultural water footprints of nations, and related water and land savings through trade. <i>Hydrology and Earth System Sciences</i> , 2011 , 15, 1641-1660	5.5	143
92	Climate change risks for African agriculture. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 4313-5	11.5	281
91	Estimating the risk of Amazonian forest dieback. <i>New Phytologist</i> , 2010 , 187, 694-706	9.8	116

90	Development of probability density functions for future South American rainfall. <i>New Phytologist</i> , 2010 , 187, 682-93	9.8	25
89	Relationship between fire, climate oscillations, and drought in British Columbia, Canada, 1920-2000. <i>Global Change Biology</i> , 2010 , 16, 977-989	11.4	30
88	Net biome production of the Amazon Basin in the 21st century. <i>Global Change Biology</i> , 2010 , 16, 2062-2074	11.4	54
87	Robust dynamics of Amazon dieback to climate change with perturbed ecosystem model parameters. <i>Global Change Biology</i> , 2010 , 16, 2476	11.4	37
86	Predicting pan-tropical climate change induced forest stock gains and losses—Implications for REDD. <i>Environmental Research Letters</i> , 2010 , 5, 014013	6.2	31
85	Spatial variation of trends in wildfire and summer drought in British Columbia, Canada, 1920 - 2000. <i>International Journal of Wildland Fire</i> , 2010 , 19, 272	3.2	33
84	Biodiversity targets after 2010. <i>Current Opinion in Environmental Sustainability</i> , 2010 , 2, 3-8	7.2	104
83	Modeling the Sensitivity of the Seasonal Cycle of GPP to Dynamic LAI and Soil Depths in Tropical Rainforests. <i>Ecosystems</i> , 2009 , 12, 517-533	3.9	41
82	An Integrated Assessment of changes in the thermohaline circulation. <i>Climatic Change</i> , 2009 , 96, 489-537	4.5	56
81	Satellite remote sensing of tropical forest canopies and their seasonal dynamics. <i>International Journal of Remote Sensing</i> , 2009 , 30, 6575-6590	3.1	17
80	Modeled interactive effects of precipitation, temperature, and [CO ₂] on ecosystem carbon and water dynamics in different climatic zones. <i>Global Change Biology</i> , 2008 , 14, 1986-1999	11.4	245
79	Modelled effects of precipitation on ecosystem carbon and water dynamics in different climatic zones. <i>Global Change Biology</i> , 2008 , 14, 2365-2379	11.4	98
78	Assessing carbon dynamics in Amazonia with the Dynamic Global Vegetation Model LPJmL—discharge evaluation. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 2008 , 30, 455-458		2
77	A spatially explicit and quantitative vulnerability assessment of ecosystem service change in Europe. <i>Regional Environmental Change</i> , 2008 , 8, 91-107	4.3	106
76	Training future experts in Biodiversity and ecosystem services—A progress report. <i>Regional Environmental Change</i> , 2008 , 8, 125-134	4.3	0
75	Effects of changes in CO ₂ , climate, and land use on the carbon balance of the land biosphere during the 21st century. <i>Journal of Geophysical Research</i> , 2007 , 112,		25
74	Macroecology meets global change research. <i>Global Ecology and Biogeography</i> , 2007 , 17, 3-4	6.1	15
73	Reduction of ecosystem productivity and respiration during the European summer 2003 climate anomaly: a joint flux tower, remote sensing and modelling analysis. <i>Global Change Biology</i> , 2007 , 13, 634-651	11.4	423

72	Modelling the role of agriculture for the 20th century global terrestrial carbon balance. <i>Global Change Biology</i> , 2007 , 13, 679-706	11.4	959
71	Projected Changes in Terrestrial Carbon Storage in Europe under Climate and Land-use Change, 1990-2100. <i>Ecosystems</i> , 2007 , 10, 380-401	3.9	105
70	Dynamic Global Vegetation Modeling: Quantifying Terrestrial Ecosystem Responses to Large-Scale Environmental Change 2007 , 175-192		174
69	Air pollution and climate change both reduce Indian rice harvests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 19609-10	11.5	7
68	Comparative impact of climatic and nonclimatic factors on global terrestrial carbon and water cycles. <i>Global Biogeochemical Cycles</i> , 2006 , 20, n/a-n/a	5.9	25
67	The importance of age-related decline in forest NPP for modeling regional carbon balances 2006 , 16, 1555-74		99
66	Terrestrial vegetation redistribution and carbon balance under climate change. <i>Carbon Balance and Management</i> , 2006 , 1, 6	3.6	98
65	Terrestrial biosphere carbon storage under alternative climate projections. <i>Climatic Change</i> , 2006 , 74, 97-122	4.5	122
64	Long-term Trends in Vegetation Dynamics and Forest Fires in Brandenburg (Germany) Under a Changing Climate. <i>Natural Hazards</i> , 2006 , 38, 283-300	3	25
63	Ecosystem service supply and vulnerability to global change in Europe. <i>Science</i> , 2005 , 310, 1333-7	33.3	1181
62	Hydrologic resilience of the terrestrial biosphere. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	34
61	Changes in Nature's Balance Sheet: Model-based Estimates of Future Worldwide Ecosystem Services. <i>Ecology and Society</i> , 2005 , 10,	4.1	109
60	Temperature sensitivity of decomposition in relation to soil organic matter pools: critique and outlook. <i>Biogeosciences</i> , 2005 , 2, 317-321	4.6	96
59	Twenty-first century atmospheric change and deforestation: potential impacts on tropical forests 2005 , 17-30		3
58	Modelle zur Simulation von Struktur und Dynamik der terrestrischen Biosphäre 2004 , 1-16		
57	The performance of models relating species geographical distributions to climate is independent of trophic level. <i>Ecology Letters</i> , 2004 , 7, 417-426	10	119
56	Role of land cover changes for atmospheric CO2 increase and climate change during the last 150 years. <i>Global Change Biology</i> , 2004 , 10, 1253-1266	11.4	193
55	Tropical forests and the global carbon cycle: impacts of atmospheric carbon dioxide, climate change and rate of deforestation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2004 , 359, 331-43	5.8	162

54	Evaluation of ecosystem dynamics, plant geography and terrestrial carbon cycling in the LPJ dynamic global vegetation model. <i>Global Change Biology</i> , 2003 , 9, 161-185	11.4	2307
53	Climate change and Arctic ecosystems: 1. Vegetation changes north of 55°N between the last glacial maximum, mid-Holocene, and present. <i>Journal of Geophysical Research</i> , 2003 , 108,		220
52	Climate change and Arctic ecosystems: 2. Modeling, paleodata-model comparisons, and future projections. <i>Journal of Geophysical Research</i> , 2003 , 108,		361
51	Confronting a burning question: The Role of fire on Earth. <i>Eos</i> , 2003 , 84, 23	1.5	3
50	Simulating fire regimes in human-dominated ecosystems: Iberian Peninsula case study. <i>Global Change Biology</i> , 2002 , 8, 984-998	11.4	137
49	Climatic control of the high-latitude vegetation greening trend and Pinatubo effect. <i>Science</i> , 2002 , 296, 1687-9	33.3	578
48	Initiative to quantify terrestrial carbon sources and sinks. <i>Eos</i> , 2002 , 83, 1	1.5	20
47	National and regional climate change impact assessments in the forestry sector. <i>Forest Ecology and Management</i> , 2002 , 162, 1-2	3.9	2
46	Integrated forestry assessments for climate change impacts. <i>Forest Ecology and Management</i> , 2002 , 162, 117-136	3.9	28
45	The role of fire disturbance for global vegetation dynamics: coupling fire into a Dynamic Global Vegetation Model. <i>Global Ecology and Biogeography</i> , 2001 , 10, 661-677	6.1	471
44	An introduction to the European Terrestrial Ecosystem Modelling Activity. <i>Global Ecology and Biogeography</i> , 2001 , 10, 581-593	6.1	38
43	Global response of terrestrial ecosystem structure and function to CO ₂ and climate change: results from six dynamic global vegetation models. <i>Global Change Biology</i> , 2001 , 7, 357-373	11.4	1464
42	Recent patterns and mechanisms of carbon exchange by terrestrial ecosystems. <i>Nature</i> , 2001 , 414, 169-72	50.4	1018
41	Determining Present Patterns of Global Productivity 2001 , 429-448		7
40	Geographic patterns and dynamics of Alaskan climate interpolated from a sparse station record.. <i>Global Change Biology</i> , 2000 , 6, 49-58	11.4	43
39	Modelling the vegetation of China using the process-based equilibrium terrestrial biosphere model BIOME3. <i>Global Ecology and Biogeography</i> , 2000 , 9, 463-479	6.1	62
38	Scaling Issues in Forest Succession Modelling. <i>Climatic Change</i> , 2000 , 44, 265-289	4.5	38
37	Climate Impact Response Functions: An Introduction. <i>Climatic Change</i> , 2000 , 46, 225-246	4.5	12

36	INCORPORATING DYNAMIC VEGETATION COVER WITHIN GLOBAL CLIMATE MODELS 2000 , 10, 1620-1632	125
35	Comparing global models of terrestrial net primary productivity (NPP): introduction. <i>Global Change Biology</i> , 1999 , 5, iii	11.4 29
34	Comparing global models of terrestrial net primary productivity (NPP): overview and key results. <i>Global Change Biology</i> , 1999 , 5, 1-15	11.4 793
33	Changing the surface of our planet □Results from studies of the global ecosystem. <i>Global Ecology and Biogeography</i> , 1999 , 8, 363-365	6.1 3
32	Plant functional types and disturbance dynamics □Introduction. <i>Journal of Vegetation Science</i> , 1999 , 10, 603-608	3.1 73
31	Tropical climates at the Last Glacial Maximum: a new synthesis of terrestrial palaeoclimate data. I. Vegetation, lake-levels and geochemistry. <i>Climate Dynamics</i> , 1999 , 15, 823-856	4.2 270
30	Terrestrial NPP: Toward a Consistent Data Set for Global Model Evaluation 1999 , 9, 913	10
29	Strategy for a Fire Module in Dynamic Global Vegetation Models. <i>International Journal of Wildland Fire</i> , 1999 , 9, 79	3.2 20
28	Improving the behaviour of forest gap models along drought gradients. <i>Forest Ecology and Management</i> , 1998 , 103, 247-263	3.9 87
27	CLIMATE: The Terrestrial Carbon Cycle: Implications for the Kyoto Protocol. <i>Science</i> , 1998 , 280, 1393-1394	3.3 326
26	Regional impacts of climatic change on forests in the state of Brandenburg, Germany. <i>Agricultural and Forest Meteorology</i> , 1997 , 84, 123-135	5.8 47
25	Forecast changes in the global environment:What they mean in terms of ecosystem responses on different time-scales 1997 , 415-426	1
24	Modeling the Possible Impact of Climate Change on Broad-Scale Vegetation Structure: Examples from Northern Europe. <i>Ecological Studies</i> , 1997 , 312-329	1.1 10
23	Global vegetation models: incorporating transient changes to structure and composition. <i>Journal of Vegetation Science</i> , 1996 , 7, 321-328	3.1 40
22	Application of a forest succession model to a continentality gradient through Central Europe. <i>Climatic Change</i> , 1996 , 34, 191	4.5 17
21	Plant functional types and climatic change: Introduction. <i>Journal of Vegetation Science</i> , 1996 , 7, 306-308	3.1 167
20	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1995 , 47, 240-250	3.3 9
19	Special Paper: Modelling Present and Potential Future Ranges of Some European Higher Plants Using Climate Response Surfaces. <i>Journal of Biogeography</i> , 1995 , 22, 967	4.1 290

18	Possible Impacts of Global Warming on Tundra and Boreal Forest Ecosystems: Comparison of Some Biogeochemical Models. <i>Journal of Biogeography</i> , 1995 , 22, 775	4.1	9
17	Coupling global models of vegetation structure and ecosystem processes. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1995 , 47, 240-250	3.3	9
16	A simulation model for the transient effects of climate change on forest landscapes. <i>Ecological Modelling</i> , 1993 , 65, 51-70	3	337
15	The global terrestrial carbon cycle. <i>Water, Air, and Soil Pollution</i> , 1993 , 70, 19-37	2.6	74
14	The interaction of climate and land use in future terrestrial carbon storage and release. <i>Water, Air, and Soil Pollution</i> , 1993 , 70, 595-614	2.6	32
13	Biospheric Implications of Global Environmental Change 1993 , 25-52		11
12	Special Paper: A Global Biome Model Based on Plant Physiology and Dominance, Soil Properties and Climate. <i>Journal of Biogeography</i> , 1992 , 19, 117	4.1	1480
11	The Possible Dynamic Response of Northern Forests to Global Warming. <i>Global Ecology and Biogeography Letters</i> , 1991 , 1, 129		69
10	Predicting the response of terrestrial biota to future environmental changes 1991 , 487-504		1
9	The Plant Community as a Niche Bioassay: Environmental Correlates of Local Variation in <i>Gypsophila Fastigiata</i> . <i>Journal of Ecology</i> , 1990 , 78, 313	6	36
8	Simulation of regional soil moisture deficits on a European scale. <i>Norsk Geografisk Tidsskrift</i> , 1988 , 42, 149-151	0.9	45
7	The separation of fluctuation and long-term change in vegetation dynamics of a rising seashore. <i>Plant Ecology</i> , 1987 , 69, 157-167		66
6	The effect of sea shore displacement on population age structure of coastal <i>Alnus glutinosa</i> (L.) Gaertn.. <i>Ecography</i> , 1985 , 8, 265-272	6.5	4
5	Detection and Attribution of Observed Impacts 979-1038		5
4	Bioenergy 209-332		128
3	The need for an integrated biodiversity policy support process [Building the European contribution to a global Biodiversity Observation Network (EU BON)]. <i>Nature Conservation</i> , 6, 49-65		50
2	Modelling Mediterranean agro-ecosystems by including agricultural trees in the LPJmL model		2
1	Technical Summary 27-158		

