Andries F Hof

List of Publications by Year
in descending order

82	4,347	147566 31	114278 63
papers	citations	h-index	g-index

84	84	84	5275
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	RCP2.6: exploring the possibility to keep global mean temperature increase below 2Â°C. Climatic Change, 2011, 109, 95-116.	1.7	759
2	Alternative pathways to the 1.5â€‰Â°C target reduce the need for negative emission technologies. Nature Climate Change, 2018, 8, 391-397.	8.1	455
3	Evaluating sustainability transitions pathways: Bridging analytical approaches to address governance challenges. Global Environmental Change, 2015, 35, 239-253.	3.6	373
4	Greenhouse gas emissions from current and enhanced policies of China until 2030: Can emissions peak before 2030?. Energy Policy, 2016, 89, 224-236.	4.2	194
5	Afforestation for climate change mitigation: Potentials, risks and tradeâ€offs. Global Change Biology, 2020, 26, 1576-1591.	4.2	162
6	Implications of various effort-sharing approaches for national carbon budgets and emission pathways. Climatic Change, 2020, 162, 1805-1822.	1.7	131
7	How well do integrated assessment models simulate climate change?. Climatic Change, 2011, 104, 255-285.	1.7	127
8	The Copenhagen Accord: abatement costs and carbon prices resulting from the submissions. Environmental Science and Policy, 2011, 14, 28-39.	2.4	100
9	Global and regional abatement costs of Nationally Determined Contributions (NDCs) and of enhanced action to levels well below 2 Â°C and 1.5 Â°C. Environmental Science and Policy, 2017, 71, 30-40.	2.4	96
10	Open discussion of negative emissions is urgently needed. Nature Energy, 2017, 2, 902-904.	19.8	94
11	The use of scenarios as the basis for combined assessment of climate change mitigation and adaptation. Global Environmental Change, 2011, 21, 575-591.	3.6	91
12	Adaptation in integrated assessment modeling: where do we stand?. Climatic Change, 2010, 99, 383-402.	1.7	84
13	The role of decentralized systems in providing universal electricity access in Sub-Saharan Africa â€“ A model-based approach. Energy, 2017, 139, 184-195.	4.5	74
14	Allocating planetary boundaries to large economies: Distributional consequences of alternative perspectives on distributive fairness. Global Environmental Change, 2020, 60, 102017.	3.6	64
15	Contribution of the G20 economies to the global impact of the Paris agreement climate proposals. Climatic Change, 2016, 137, 655-665.	1.7	63
16	The emissions gap between the Copenhagen pledges and the 2Â°C climate goal: Options for closing and risks that could widen the gap. Global Environmental Change, 2011, 21, 733-743.	3.6	57
17	Trade-offs and synergies between universal electricity access and climate change mitigation in Sub-Saharan Africa. Energy Policy, 2018, 114, 355-366.	4.2	56
18	Copenhagen Accord Pledges imply higher costs for staying below 2Â°C warming. Climatic Change, 2012, 113, 551-561.	1.7	52

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19	Assessing the ambition of post-2020 climate targets: a comprehensive framework. Climate Policy, 2018, 18, 425-441.	2.6	51
20	Analysing the costs and benefits of climate policy: Value judgements and scientific uncertainties. Global Environmental Change, 2008, 18, 412-424.	3.6	49
21	The costs of achieving climate targets and the sources of uncertainty. Nature Climate Change, 2020, 10, 329-334.	8.1	48
22	Aligning integrated assessment modelling with socio-technical transition insights: An application to low-carbon energy scenario analysis in Europe. Technological Forecasting and Social Change, 2020, 151, 119177.	6.2	45
23	Persistent inequality in economically optimal climate policies. Nature Communications, 2021, 12, 3421.	5.8	44
24	Environmental effectiveness and economic consequences of fragmented versus universal regimes: what can we learn from model studies?. International Environmental Agreements: Politics, Law and Economics, 2009, 9, 39-62.	1.5	41
25	Improved modelling of lifestyle changes in Integrated Assessment Models: Cross-disciplinary insights from methodologies and theories. Energy Strategy Reviews, 2019, 26, 100420.	3.3	41
26	Long-term marginal abatement cost curves of non-CO2 greenhouse gases. Environmental Science and Policy, 2019, 99, 136-149.	2.4	40
27	Emission allowances and mitigation costs of China and India resulting from different effort-sharing approaches. Energy Policy, 2012, 46, 116-134.	4.2	38
28	Scenario analysis for promoting clean cooking in Sub-Saharan Africa: Costs and benefits. Energy, 2020, 192, 116641.	4.5	38
29	Integrated assessment of international climate mitigation commitments outside the UNFCCC. Global Environmental Change, 2018, 48, 67-75.	3.6	36
30	The role of regulatory, market and governance risk for electricity access investment in sub-Saharan Africa. Energy for Sustainable Development, 2021, 62, 136-150.	2.0	36
31	Are major economies on track to achieve their pledges for 2020? An assessment of domestic climate and energy policies. Energy Policy, 2014, 67, 781-796.	4.2	33
32	The role of the land use, land use change and forestry sector in achieving Annex I reduction pledges. Climatic Change, 2012, 115, 873-881.	1.7	30
33	The benefits of climate change mitigation in integrated assessment models: the role of the carbon cycle and climate component. Climatic Change, 2012, 113, 897-917.	1.7	29
34	Impact of the choice of emission metric on greenhouse gas abatement and costs. Environmental Research Letters, 2015, 10, 024001.	2.2	28
35	Economy-wide effects of coastal flooding due to sea level rise: a multi-model simultaneous treatment of mitigation, adaptation, and residual impacts. Environmental Research Communications, 2020, 2, 015002.	0.9	28
36	Early action on Paris Agreement allows for more time to change energy systems. Climatic Change, 2017, 144, 165-179.	1.7	27

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37	Transport electrification: the effect of recent battery cost reduction on future emission scenarios. Climatic Change, 2018, 151, 95-108.	1.7	27
38	The effect of different mitigation strategies on international financing of adaptation. Environmental Science and Policy, 2009, 12, 832-843.	2.4	26
39	Predictability, equitability and adequacy of post-2012 international climate financing proposals. Environmental Science and Policy, 2011, 14, 615-627.	2.4	26
40	The impact of technology availability on the timing and costs of emission reductions for achieving long-term climate targets. Climatic Change, 2014, 123, 559-569.	1.7	26
41	Actors, decision-making, and institutions in quantitative system modelling. Technological Forecasting and Social Change, 2020, 151, 119480.	6.2	26
42	Understanding transition pathways by bridging modelling, transition and practice-based studies: Editorial introduction to the special issue. Technological Forecasting and Social Change, 2020, 151, 119665.	6.2	25
43	An advantage for detecting dynamic targets in natural scenes. Journal of Vision, 2006, 6, 8.	0.1	24
44	Deep greenhouse gas emission reductions in Europe: Exploring different options. Energy Policy, 2013, 55, 152-164.	4.2	24
45	A race to zero - Assessing the position of heavy industry in a global net-zero CO2 emissions context. Energy and Climate Change, 2021, 2, 100051.	2.2	24
46	Including adaptation costs and climate change damages in evaluating post-2012 burden-sharing regimes. Mitigation and Adaptation Strategies for Global Change, 2010, 15, 19-40.	1.0	23
47	Actors and governance in the transition toward universal electricity access in Sub-Saharan Africa. Energy Policy, 2020, 143, 111572.	4.2	23
48	Reduction targets and abatement costs of developing countries resulting from global and developed countriesâ€™ reduction targets by 2050. Mitigation and Adaptation Strategies for Global Change, 2013, 18, 491-512.	1.0	22
49	Analysing the greenhouse gas emission reductions of the mitigation action plans by non-Annex I countries by 2020. Energy Policy, 2013, 56, 633-643.	4.2	20
50	Variation in the climatic response to SRES emissions scenarios in integrated assessment models. Climatic Change, 2010, 102, 671-685.	1.7	18
51	A quantitative minimax regret approach to climate change: Does discounting still matter?. Ecological Economics, 2010, 70, 43-51.	2.9	18
52	The effect of different historical emissions datasets on emission targets of the sectoral mitigation approach Triptych. Climate Policy, 2010, 10, 684-704.	2.6	17
53	European policy responses to climate change: progress on mainstreaming emissions reduction and adaptation. Regional Environmental Change, 2015, 15, 949-959.	1.4	17
54	How well do integrated assessment models represent non-CO2 radiative forcing?. Climatic Change, 2015, 133, 565-582.	1.7	17

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55	Alleviating inequality in climate policy costs: an integrated perspective on mitigation, damage and adaptation. Environmental Research Letters, 2016, 11, 074015.	2.2	17
56	The effect of updated pledges and business-as-usual projections, and new agreed rules on expected global greenhouse gas emissions in 2020. Environmental Science and Policy, 2013, 33, 308-319.	2.4	16
57	Deep CO₂emission reductions in a global bottom-up model approach. Climate Policy, 2015, 15, 253-271.	2.6	15
58	Low-carbon strategies towards 2050: Comparing ex-ante policy evaluation studies and national planning processes in Europe. Environmental Science and Policy, 2017, 78, 89-96.	2.4	15
59	On the optimality of 2Â°C targets and a decomposition of uncertainty. Nature Communications, 2021, 12, 2575.	5.8	14
60	The EU 40Â% greenhouse gas emission reduction target by 2030 in perspective. International Environmental Agreements: Politics, Law and Economics, 2016, 16, 375-392.	1.5	13
61	Balance between climate change mitigation benefits and land use impacts of bioenergy: conservation implications for European birds. GCB Bioenergy, 2015, 7, 741-751.	2.5	12
62	From global to national scenarios: Bridging different models to explore power generation decarbonisation based on insights from socio-technical transition case studies. Technological Forecasting and Social Change, 2020, 151, 119882.	6.2	12
63	Decomposition analysis of per capita emissions: a tool for assessing consumption changes and technology changes within scenarios. Environmental Research Communications, 2021, 3, 015004.	0.9	11
64	Costs and benefits of differences in the timing of greenhouse gas emission reductions. Mitigation and Adaptation Strategies for Global Change, 2016, 21, 1165-1179.	1.0	10
65	Integrating energy access, efficiency and renewable energy policies in sub-Saharan Africa: a model-based analysis. Environmental Research Letters, 2020, 15, 125010.	2.2	10
66	Abandonment of natural gas production and investment in carbon storage. Energy Policy, 2017, 108, 322-329.	4.2	9
67	Agricultural nature conservation in the Netherlands: Three lenses on transition pathways. Technological Forecasting and Social Change, 2020, 151, 119235.	6.2	8
68	Using Decomposition Analysis to Determine the Main Contributing Factors to Carbon Neutrality across Sectors. Energies, 2022, 15, 132.	1.6	8
69	Investment needs to achieve SDGs: An overview. , 2022, 1, e0000020.		8
70	Welfare impacts of climate change. Nature Climate Change, 2015, 5, 99-100.	8.1	7
71	Regional differences in mitigation strategies: an example for passenger transport. Regional Environmental Change, 2015, 15, 987-995.	1.4	6
72	Data for long-term marginal abatement cost curves of non-CO2 greenhouse gases. Data in Brief, 2019, 25, 104334.	0.5	6

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73	Adaptive risk management strategies for governments under future climate and socioeconomic change: An application to riverine flood risk at the global level. Environmental Science and Policy, 2021, 125, 10-20.	2.4	5
74	Disentangling the ranges: climate policy scenarios for China and India. Regional Environmental Change, 2015, 15, 1025-1033.	1.4	4
75	The impact of surplus units from the first Kyoto period on achieving the reduction pledges of the CancÃºn Agreements. Climatic Change, 2012, 114, 401-408.	1.7	3
76	Costs of avoiding net negative emissions under a carbon budget. Environmental Research Letters, 2021, 16, 064071.	2.2	3
77	Exploring the bargaining space within international climate negotiations based on political, economic and environmental considerations. Energy Policy, 2011, 39, 7361-7371.	4.2	2
78	Environmental effectiveness and economic consequences of fragmented versus universal regimes. , 0, , 35-59.		1
79	Costs, benefits and interlinkages between adaptation and mitigation. , 0, , 235-254.		1
80	The Impact of Socio-Economic Inertia and Restrictions on Net-Negative Emissions on Cost-Effective Carbon Price Pathways. Frontiers in Climate, 2021, 3, .	1.3	1
81	A staged sectoral approach for climate mitigation. , 0, , 183-207.		0
82	Actors, Decision-Making, and Institutions in Quantitative System Modelling. SSRN Electronic Journal, 0, , .	0.4	0