

# Detlef P. van Vuuren

## 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.

401  
papers

46,410  
citations

94  
h-index

209  
g-index

436  
ext. papers


56,537  
ext. citations

9.5  
avg, IF

7.53  
L-index

#	Paper	IF	Citations
401	Defining a sustainable development target space for 2030 and 2050. <i>One Earth</i> , <b>2022</b> , 5, 142-156	8.1	1
400	The contribution of bioenergy to the decarbonization of transport: a multi-model assessment. <i>Climatic Change</i> , <b>2022</b> , 170, 1	4.5	0
399	Good practice policies to bridge the emissions gap in key countries. <i>Global Environmental Change</i> , <b>2022</b> , 73, 102472	10.1	2
398	Can global models provide insights into regional mitigation strategies? A diagnostic model comparison study of bioenergy in Brazil. <i>Climatic Change</i> , <b>2022</b> , 170, 1	4.5	0
397	Efficiency improvement and technology choice for energy and emission reductions of the residential sector. <i>Energy</i> , <b>2022</b> , 243, 122994	7.9	1
396	Translating Global Integrated Assessment Model Output into Lifestyle Change Pathways at the Country and Household Level. <i>Energies</i> , <b>2022</b> , 15, 1650	3.1	0
395	Quantifying synergies and trade-offs in the global water-land-food-climate nexus using a multi-model scenario approach. <i>Environmental Research Letters</i> , <b>2022</b> , 17, 045004	6.2	1
394	Using Decomposition Analysis to Determine the Main Contributing Factors to Carbon Neutrality across Sectors. <i>Energies</i> , <b>2022</b> , 15, 132	3.1	3
393	Navigating the political: An analysis of political calibration of integrated assessment modelling in light of the 1.5°C goal. <i>Environmental Science and Policy</i> , <b>2022</b> , 133, 193-202	6.2	2
392	Global biomass supply modeling for long-run management of the climate system. <i>Climatic Change</i> , <b>2022</b> , 172,	4.5	1
391	Using large ensembles of climate change mitigation scenarios for robust insights. <i>Nature Climate Change</i> , <b>2022</b> , 12, 428-435	21.4	1
390	Development of chemical emission scenarios using the Shared Socio-economic Pathways.. <i>Science of the Total Environment</i> , <b>2022</b> , 155530	10.2	0
389	Developing scenarios in the context of the Paris Agreement and application in the integrated assessment model IMAGE: A framework for bridging the policy-modelling divide. <i>Environmental Science and Policy</i> , <b>2022</b> , 135, 104-116	6.2	1
388	The Belt and Road Initiative (BRI): What Will it Look Like in the Future?. <i>Technological Forecasting and Social Change</i> , <b>2021</b> , 121306	9.5	4
387	Global roll-out of comprehensive policy measures may aid in bridging emissions gap. <i>Nature Communications</i> , <b>2021</b> , 12, 6419	17.4	6
386	Net zero-emission pathways reduce the physical and economic risks of climate change. <i>Nature Climate Change</i> , <b>2021</b> , 11, 1070-1076	21.4	2
385	Cost and attainability of meeting stringent climate targets without overshoot. <i>Nature Climate Change</i> , <b>2021</b> , 11, 1063-1069	21.4	11

384	Improving material projections in Integrated Assessment Models: The use of a stock-based versus a flow-based approach for the iron and steel industry. <i>Energy</i> , <b>2021</b> , 239, 122434	7.9	1
383	Global and regional aggregate damages associated with global warming of 1.5 to 4 °C above pre-industrial levels. <i>Climatic Change</i> , <b>2021</b> , 168, 1	4.5	3
382	Air quality and health implications of 1.5 °C climate pathways under considerations of ageing population: a multi-model scenario analysis. <i>Environmental Research Letters</i> , <b>2021</b> , 16, 045005	6.2	3
381	Climate model projections from the Scenario Model Intercomparison Project (ScenarioMIP) of CMIP6. <i>Earth System Dynamics</i> , <b>2021</b> , 12, 253-293	4.8	60
380	Assessing China's efforts to pursue the 1.5°C warming limit. <i>Science</i> , <b>2021</b> , 372, 378-385	33.3	69
379	Identifying a Safe and Just Corridor for People and the Planet. <i>Earth's Future</i> , <b>2021</b> , 9, e2020EF001866	7.9	30
378	Critical adjustment of land mitigation pathways for assessing countries' climate progress. <i>Nature Climate Change</i> , <b>2021</b> , 11, 425-434	21.4	16
377	Net-zero emission targets for major emitting countries consistent with the Paris Agreement. <i>Nature Communications</i> , <b>2021</b> , 12, 2140	17.4	56
376	Evaluating process-based integrated assessment models of climate change mitigation. <i>Climatic Change</i> , <b>2021</b> , 166, 1	4.5	4
375	On the optimality of 2°C targets and a decomposition of uncertainty. <i>Nature Communications</i> , <b>2021</b> , 12, 2575	17.4	4
374	Integrated assessment model diagnostics: key indicators and model evolution. <i>Environmental Research Letters</i> , <b>2021</b> , 16, 054046	6.2	9
373	A framework for national scenarios with varying emission reductions. <i>Nature Climate Change</i> , <b>2021</b> , 11, 472-480	21.4	10
372	Regional variation in the effectiveness of methane-based and land-based climate mitigation options. <i>Earth System Dynamics</i> , <b>2021</b> , 12, 513-544	4.8	3
371	Energy system developments and investments in the decisive decade for the Paris Agreement goals. <i>Environmental Research Letters</i> , <b>2021</b> , 16, 074020	6.2	11
370	Costs of avoiding net negative emissions under a carbon budget. <i>Environmental Research Letters</i> , <b>2021</b> , 16, 064071	6.2	0
369	An assessment of the performance of scenarios against historical global emissions for IPCC reports. <i>Global Environmental Change</i> , <b>2021</b> , 66, 102199	10.1	14
368	Decarbonising the critical sectors of aviation, shipping, road freight and industry to limit warming to 1.5°C. <i>Climate Policy</i> , <b>2021</b> , 21, 455-474	5.3	18
367	Advancing a toolkit of diverse futures approaches for global environmental assessments. <i>Ecosystems and People</i> , <b>2021</b> , 17, 191-204	4.3	11

366	Ten new insights in climate science 2020  horizon scan. <i>Global Sustainability</i> , <b>2021</b> , 4,	5.4	7
365	Transformative pathways  Using integrated assessment models more effectively to open up plausible and desirable low-carbon futures. <i>Energy Research and Social Science</i> , <b>2021</b> , 80, 102220	7.7	3
364	A race to zero - Assessing the position of heavy industry in a global net-zero CO2 emissions context. <i>Energy and Climate Change</i> , <b>2021</b> , 2, 100051	1.2	8
363	Global futures of trade impacting the challenge to decarbonize the international shipping sector. <i>Energy</i> , <b>2021</b> , 237, 121547	7.9	3
362	Decomposition analysis of per capita emissions: a tool for assessing consumption changes and technology changes within scenarios. <i>Environmental Research Communications</i> , <b>2021</b> , 3, 015004	3.1	5
361	Climate change impacts on renewable energy supply. <i>Nature Climate Change</i> , <b>2021</b> , 11, 119-125	21.4	47
360	Guidelines for Modeling and Reporting Health Effects of Climate Change Mitigation Actions. <i>Environmental Health Perspectives</i> , <b>2020</b> , 128, 115001	8.4	13
359	Moving toward Net-Zero Emissions Requires New Alliances for Carbon Dioxide Removal. <i>One Earth</i> , <b>2020</b> , 3, 145-149	8.1	24
358	Taking stock of national climate policies to evaluate implementation of the Paris Agreement. <i>Nature Communications</i> , <b>2020</b> , 11, 2096	17.4	108
357	Actors and governance in the transition toward universal electricity access in Sub-Saharan Africa. <i>Energy Policy</i> , <b>2020</b> , 143, 111572	7.2	10
356	The costs of achieving climate targets and the sources of uncertainty. <i>Nature Climate Change</i> , <b>2020</b> , 10, 329-334	21.4	26
355	Assessment of Sectoral Greenhouse Gas Emission Reduction Potentials for 2030. <i>Energies</i> , <b>2020</b> , 13, 9433.1	3.1	10
354	Global resource potential of seasonal pumped hydropower storage for energy and water storage. <i>Nature Communications</i> , <b>2020</b> , 11, 947	17.4	50
353	Economy-wide effects of coastal flooding due to sea level rise: a multi-model simultaneous treatment of mitigation, adaptation, and residual impacts. <i>Environmental Research Communications</i> , <b>2020</b> , 2, 015002	3.1	12
352	Social tipping dynamics for stabilizing Earth's climate by 2050. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 2354-2365	11.5	175
351	Life cycle environmental and cost comparison of current and future passenger cars under different energy scenarios. <i>Applied Energy</i> , <b>2020</b> , 269, 115021	10.7	54
350	Mapping the yields of lignocellulosic bioenergy crops from observations at the global scale. <i>Earth System Science Data</i> , <b>2020</b> , 12, 789-804	10.5	9
349	Harmonization of global land use change and management for the period 850-100 (LUH2) for CMIP6. <i>Geoscientific Model Development</i> , <b>2020</b> , 13, 5425-5464	6.3	143

348	Integrating energy access, efficiency and renewable energy policies in sub-Saharan Africa: a model-based analysis. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 125010	6.2	5
347	The role of residential rooftop photovoltaic in long-term energy and climate scenarios. <i>Applied Energy</i> , <b>2020</b> , 279, 115705	10.7	19
346	Reply to: Why fossil fuel producer subsidies matter. <i>Nature</i> , <b>2020</b> , 578, E5-E7	50.4	2
345	Projecting terrestrial biodiversity intactness with GLOBIO 4. <i>Global Change Biology</i> , <b>2020</b> , 26, 760-771	11.4	42
344	Afforestation for climate change mitigation: Potentials, risks and trade-offs. <i>Global Change Biology</i> , <b>2020</b> , 26, 1576-1591	11.4	70
343	Challenges in producing policy-relevant global scenarios of biodiversity and ecosystem services. <i>Global Ecology and Conservation</i> , <b>2020</b> , 22, e00886	2.8	10
342	From global to national scenarios: Bridging different models to explore power generation decarbonisation based on insights from socio-technical transition case studies. <i>Technological Forecasting and Social Change</i> , <b>2020</b> , 151, 119882	9.5	6
341	Allocating planetary boundaries to large economies: Distributional consequences of alternative perspectives on distributive fairness. <i>Global Environmental Change</i> , <b>2020</b> , 60, 102017	10.1	31
340	Application of experience curves and learning to other fields <b>2020</b> , 49-62		
339	Scenario analysis for promoting clean cooking in Sub-Saharan Africa: Costs and benefits. <i>Energy</i> , <b>2020</b> , 192, 116641	7.9	22
338	Developing multiscale and integrative nature-people scenarios using the Nature Futures Framework. <i>People and Nature</i> , <b>2020</b> , 2, 1172-1195	5.9	36
337	Implications of climate change mitigation strategies on international bioenergy trade. <i>Climatic Change</i> , <b>2020</b> , 163, 1639-1658	4.5	12
336	Achievements and needs for the climate change scenario framework. <i>Nature Climate Change</i> , <b>2020</b> , 1-11	21.4	79
335	Co-designing global target-seeking scenarios: A cross-scale participatory process for capturing multiple perspectives on pathways to sustainability. <i>Global Environmental Change</i> , <b>2020</b> , 65, 102198	10.1	17
334	Impacts of climate change on energy systems in global and regional scenarios. <i>Nature Energy</i> , <b>2020</b> , 5, 794-802	62.3	57
333	Co-benefits of black carbon mitigation for climate and air quality. <i>Climatic Change</i> , <b>2020</b> , 163, 1519-1538	4.5	11
332	Impact of methane and black carbon mitigation on forcing and temperature: a multi-model scenario analysis. <i>Climatic Change</i> , <b>2020</b> , 163, 1427-1442	4.5	6
331	Anticipating futures through models: the rise of Integrated Assessment Modelling in the climate science-policy interface since 1970. <i>Global Environmental Change</i> , <b>2020</b> , 65, 102191	10.1	27

330	Variability in historical emissions trends suggests a need for a wide range of global scenarios and regional analyses. <i>Communications Earth &amp; Environment</i> , <b>2020</b> , 1,	6.1	5
329	Integrated Climate-Change Assessment Scenarios and Carbon Dioxide Removal. <i>One Earth</i> , <b>2020</b> , 3, 166-172	8.7	2
328	Progress and barriers in understanding and preventing indirect land-use change. <i>Biofuels, Bioproducts and Biorefining</i> , <b>2020</b> , 14, 924-934	5.3	16
327	EMF-33 insights on bioenergy with carbon capture and storage (BECCS). <i>Climatic Change</i> , <b>2020</b> , 163, 1621-1637	4.5	16
326	The climate change mitigation potential of bioenergy with carbon capture and storage. <i>Nature Climate Change</i> , <b>2020</b> , 10, 1023-1029	21.4	53
325	Improving Climate Change Mitigation Analysis: A Framework for Examining Feasibility. <i>One Earth</i> , <b>2020</b> , 3, 325-336	8.1	19
324	Bioenergy technologies in long-run climate change mitigation: results from the EMF-33 study. <i>Climatic Change</i> , <b>2020</b> , 163, 1603-1620	4.5	15
323	Bending the curve of terrestrial biodiversity needs an integrated strategy. <i>Nature</i> , <b>2020</b> , 585, 551-556	50.4	149
322	Comparing transformation pathways across major economies. <i>Climatic Change</i> , <b>2020</b> , 162, 1787-1803	4.5	16
321	When the Background Matters: Using Scenarios from Integrated Assessment Models in Prospective Life Cycle Assessment. <i>Journal of Industrial Ecology</i> , <b>2020</b> , 24, 64-79	7.2	53
320	Actors, decision-making, and institutions in quantitative system modelling. <i>Technological Forecasting and Social Change</i> , <b>2020</b> , 151, 119480	9.5	12
319	Implications of various effort-sharing approaches for national carbon budgets and emission pathways. <i>Climatic Change</i> , <b>2020</b> , 162, 1805-1822	4.5	64
318	Taking some heat off the NDCs? The limited potential of additional short-lived climate forcers mitigation. <i>Climatic Change</i> , <b>2020</b> , 163, 1443-1461	4.5	8
317	The role of methane in future climate strategies: mitigation potentials and climate impacts. <i>Climatic Change</i> , <b>2020</b> , 163, 1409-1425	4.5	15
316	Understanding transition pathways by bridging modelling, transition and practice-based studies: Editorial introduction to the special issue. <i>Technological Forecasting and Social Change</i> , <b>2020</b> , 151, 119663	9.5	10
315	Aligning integrated assessment modelling with socio-technical transition insights: An application to low-carbon energy scenario analysis in Europe. <i>Technological Forecasting and Social Change</i> , <b>2020</b> , 151, 119177	9.5	26
314	Modelling global material stocks and flows for residential and service sector buildings towards 2050. <i>Journal of Cleaner Production</i> , <b>2020</b> , 245, 118658	10.3	56
313	Biomass residues as twenty-first century bioenergy feedstock-a comparison of eight integrated assessment models. <i>Climatic Change</i> , <b>2020</b> , 163, 1569-1586	4.5	16

312	Harmonization of Global Land-Use Change and Management for the Period 850-100 (LUH2) for CMIP6 <b>2020</b> ,		15
311	Integrated Solutions for the Water-Energy-Land Nexus: Are Global Models Rising to the Challenge? <i>Water (Switzerland)</i> , <b>2019</b> , 11, 2223	3	14
310	Not all carbon dioxide emission scenarios are equally likely: a subjective expert assessment. <i>Climatic Change</i> , <b>2019</b> , 155, 545-561	4.5	18
309	Data for long-term marginal abatement cost curves of non-CO greenhouse gases. <i>Data in Brief</i> , <b>2019</b> , 25, 104334	1.2	2
308	Reconciling global sustainability targets and local action for food production and climate change mitigation. <i>Global Environmental Change</i> , <b>2019</b> , 59, 101983	10.1	20
307	Shared socio-economic pathways extended for the Baltic Sea: exploring long-term environmental problems. <i>Regional Environmental Change</i> , <b>2019</b> , 19, 1073-1086	4.3	30
306	First forcing estimates from the future CMIP6 scenarios of anthropogenic aerosol optical properties and an associated Twomey effect. <i>Geoscientific Model Development</i> , <b>2019</b> , 12, 989-1007	6.3	18
305	Future impacts of environmental factors on achieving the SDG target on child mortality: a synergistic assessment. <i>Global Environmental Change</i> , <b>2019</b> , 57, 101925	10.1	22
304	Long-term marginal abatement cost curves of non-CO2 greenhouse gases. <i>Environmental Science and Policy</i> , <b>2019</b> , 99, 136-149	6.2	24
303	A multi-model assessment of food security implications of climate change mitigation. <i>Nature Sustainability</i> , <b>2019</b> , 2, 386-396	22.1	71
302	Global emissions pathways under different socioeconomic scenarios for use in CMIP6: a dataset of harmonized emissions trajectories through the end of the century. <i>Geoscientific Model Development</i> , <b>2019</b> , 12, 1443-1475	6.3	224
301	The role of the discount rate for emission pathways and negative emissions. <i>Environmental Research Letters</i> , <b>2019</b> , 14, 104008	6.2	44
300	Drivers of declining CO2 emissions in 18 developed economies. <i>Nature Climate Change</i> , <b>2019</b> , 9, 213-217	21.4	164
299	The scope for better industry representation in long-term energy models: Modeling the cement industry. <i>Applied Energy</i> , <b>2019</b> , 240, 964-985	10.7	22
298	Modeling forest plantations for carbon uptake with the LPJmL dynamic global vegetation model. <i>Earth System Dynamics</i> , <b>2019</b> , 10, 617-630	4.8	11
297	Improved modelling of lifestyle changes in Integrated Assessment Models: Cross-disciplinary insights from methodologies and theories. <i>Energy Strategy Reviews</i> , <b>2019</b> , 26, 100420	9.8	23
296	Environmental co-benefits and adverse side-effects of alternative power sector decarbonization strategies. <i>Nature Communications</i> , <b>2019</b> , 10, 5229	17.4	97
295	Societal Transformations in Models for Energy and Climate Policy: The Ambitious Next Step. <i>One Earth</i> , <b>2019</b> , 1, 423-433	8.1	52

294	Analysing interactions among Sustainable Development Goals with Integrated Assessment Models. <i>Global Transitions</i> , <b>2019</b> , 1, 210-225	8.4	65
293	Integrated scenarios to support analysis of the food-energy-water nexus. <i>Nature Sustainability</i> , <b>2019</b> , 2, 1132-1141	22.1	41
292	Strong time dependence of ocean acidification mitigation by atmospheric carbon dioxide removal. <i>Nature Communications</i> , <b>2019</b> , 10, 5592	17.4	9
291	Looking under the hood: A comparison of techno-economic assumptions across national and global integrated assessment models. <i>Energy</i> , <b>2019</b> , 172, 1254-1267	7.9	62
290	Integrated assessment of biomass supply and demand in climate change mitigation scenarios. <i>Global Environmental Change</i> , <b>2019</b> , 54, 88-101	10.1	93
289	National contributions to climate change mitigation from agriculture: allocating a global target. <i>Climate Policy</i> , <b>2018</b> , 18, 1271-1285	5.3	14
288	Scenarios towards limiting global mean temperature increase below 1.5 °C. <i>Nature Climate Change</i> , <b>2018</b> , 8, 325-332	21.4	456
287	Enhancing global climate policy ambition towards a 1.5 °C stabilization: a short-term multi-model assessment. <i>Environmental Research Letters</i> , <b>2018</b> , 13, 044039	6.2	36
286	Comparing future patterns of energy system change in 2 °C scenarios to expert projections. <i>Global Environmental Change</i> , <b>2018</b> , 50, 201-211	10.1	17
285	Alternative pathways to the 1.5 °C target reduce the need for negative emission technologies. <i>Nature Climate Change</i> , <b>2018</b> , 8, 391-397	21.4	293
284	Biogeophysical Impacts of Land-Use Change on Climate Extremes in Low-Emission Scenarios: Results From HAPPI-Land. <i>Earth's Future</i> , <b>2018</b> , 6, 396-409	7.9	18
283	Limited emission reductions from fuel subsidy removal except in energy-exporting regions. <i>Nature</i> , <b>2018</b> , 554, 229-233	50.4	66
282	Trade-offs and synergies between universal electricity access and climate change mitigation in Sub-Saharan Africa. <i>Energy Policy</i> , <b>2018</b> , 114, 355-366	7.2	32
281	Unpacking the nexus: Different spatial scales for water, food and energy. <i>Global Environmental Change</i> , <b>2018</b> , 48, 22-31	10.1	50
280	Exploring SSP land-use dynamics using the IMAGE model: Regional and gridded scenarios of land-use change and land-based climate change mitigation. <i>Global Environmental Change</i> , <b>2018</b> , 48, 119-135	10.1	125
279	Pathways limiting warming to 1.5°C: a tale of turning around in no time?. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2018</b> , 376,	3	50
278	Scenarios for Demand Growth of Metals in Electricity Generation Technologies, Cars, and Electronic Appliances. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 4950-4959	10.3	80
277	Uncertain Environmental Footprint of Current and Future Battery Electric Vehicles. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 4989-4995	10.3	74



276	Pathways for agriculture and forestry to contribute to terrestrial biodiversity conservation: A global scenario-study. <i>Biological Conservation</i> , <b>2018</b> , 221, 137-150	6.2	49
275	A Global Analysis of Future Water Deficit Based On Different Allocation Mechanisms. <i>Water Resources Research</i> , <b>2018</b> , 54, 5803-5824	5.4	27
274	Land-use emissions play a critical role in land-based mitigation for Paris climate targets. <i>Nature Communications</i> , <b>2018</b> , 9, 2938	17.4	99
273	Climate extremes, land-climate feedbacks and land-use forcing at 1.5°C. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2018</b> , 376,	3	38
272	Residual fossil CO2 emissions in 1.5°C pathways. <i>Nature Climate Change</i> , <b>2018</b> , 8, 626-633	21.4	219
271	Interaction of consumer preferences and climate policies in the global transition to low-carbon vehicles. <i>Nature Energy</i> , <b>2018</b> , 3, 664-673	62.3	69
270	Reducing global GHG emissions by replicating successful sector examples: the good practice policies scenario. <i>Climate Policy</i> , <b>2018</b> , 18, 1103-1113	5.3	12
269	Energy investment needs for fulfilling the Paris Agreement and achieving the Sustainable Development Goals. <i>Nature Energy</i> , <b>2018</b> , 3, 589-599	62.3	207
268	Integrated assessment of international climate mitigation commitments outside the UNFCCC. <i>Global Environmental Change</i> , <b>2018</b> , 48, 67-75	10.1	24
267	Interactions between social learning and technological learning in electric vehicle futures. <i>Environmental Research Letters</i> , <b>2018</b> , 13, 124004	6.2	15
266	Global emissions pathways under different socioeconomic scenarios for use in CMIP6: a dataset of harmonized emissions trajectories through the end of the century <b>2018</b> ,		5
265	Resource nexus perspectives towards the United Nations Sustainable Development Goals. <i>Nature Sustainability</i> , <b>2018</b> , 1, 737-743	22.1	125
264	A protocol for an intercomparison of biodiversity and ecosystem services models using harmonized land-use and climate scenarios. <i>Geoscientific Model Development</i> , <b>2018</b> , 11, 4537-4562	6.3	42
263	Global energy sector emission reductions and bioenergy use: overview of the bioenergy demand phase of the EMF-33 model comparison. <i>Climatic Change</i> , <b>2018</b> , 163, 1553	4.5	67
262	Transport electrification: the effect of recent battery cost reduction on future emission scenarios. <i>Climatic Change</i> , <b>2018</b> , 151, 95-108	4.5	16
261	Interactions between climate change mitigation and adaptation: The case of hydropower in Brazil. <i>Energy</i> , <b>2018</b> , 164, 1161-1177	7.9	25
260	Evaluating the use of biomass energy with carbon capture and storage in low emission scenarios. <i>Environmental Research Letters</i> , <b>2018</b> , 13, 044014	6.2	54
259	A methodology and implementation of automated emissions harmonization for use in Integrated Assessment Models. <i>Environmental Modelling and Software</i> , <b>2018</b> , 105, 187-200	5.2	23

258	Signal detection in global mean temperatures after Paris [an uncertainty and sensitivity analysis. <i>Climate of the Past</i> , <b>2018</b> , 14, 139-155	3.9	6
257	A protocol for an intercomparison of biodiversity and ecosystem services models using harmonized land-use and climate scenarios <b>2018</b> ,		1
256	A framework for modelling the complexities of food and water security under globalisation. <i>Earth System Dynamics</i> , <b>2018</b> , 9, 103-118	4.8	19
255	The roads ahead: Narratives for shared socioeconomic pathways describing world futures in the 21st century. <i>Global Environmental Change</i> , <b>2017</b> , 42, 169-180	10.1	963
254	Representation of variable renewable energy sources in TIMER, an aggregated energy system simulation model. <i>Energy Economics</i> , <b>2017</b> , 64, 600-611	8.3	29
253	Sensitivity of projected long-term CO <sub>2</sub> emissions across the Shared Socioeconomic Pathways. <i>Nature Climate Change</i> , <b>2017</b> , 7, 113-117	21.4	52
252	Pathways for balancing CO emissions and sinks. <i>Nature Communications</i> , <b>2017</b> , 8, 14856	17.4	72
251	Low-emission pathways in 11 major economies: comparison of cost-optimal pathways and Paris climate proposals. <i>Climatic Change</i> , <b>2017</b> , 142, 491-504	4.5	30
250	A physically-based model of long-term food demand. <i>Global Environmental Change</i> , <b>2017</b> , 45, 47-62	10.1	41
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