Floor van der Hilst

List of Publications by Year in descending order

44 papers	1,383 citations	331670 21 h-index	361022 35 g-index
45 all docs	45 docs citations	45 times ranked	1824 citing authors

#	Article	IF	Citations
1	Biodiversity impacts of bioenergy crop production: a stateâ€ofâ€theâ€art review. GCB Bioenergy, 2014, 6, 183-209.	5.6	194
2	Outlook for ethanol production costs in Brazil up to 2030, for different biomass crops and industrial technologies. Applied Energy, 2015, 147, 593-610.	10.1	89
3	Supply chain optimization of sugarcane first generation and eucalyptus second generation ethanol production in Brazil. Applied Energy, 2016, 173, 494-510.	10.1	67
4	Model collaboration for the improved assessment of biomass supply, demand, and impacts. GCB Bioenergy, 2015, 7, 422-437.	5.6	54
5	Applying a scienceâ€based systems perspective to dispel misconceptions about climate effects of forest bioenergy. GCB Bioenergy, 2021, 13, 1210-1231.	5.6	49
6	Spatio-temporal uncertainty in Spatial Decision Support Systems: A case study of changing land availability for bioenergy crops in Mozambique. Computers, Environment and Urban Systems, 2012, 36, 30-42.	7.1	45
7	What can and can't we say about indirect landâ€use change in Brazil using an integrated economic â€“ landâ€use change model?. GCB Bioenergy, 2016, 8, 561-578.	5.6	45
8	Spatial variation of environmental impacts of regional biomass chains. Renewable and Sustainable Energy Reviews, 2012, 16, 2053-2069.	16.4	44
9	Potential, spatial distribution and economic performance of regional biomass chains: The North of the Netherlands as example. Agricultural Systems, 2010, 103, 403-417.	6.1	42
10	Optimization potential of biomass supply chains with torrefaction technology. Biofuels, Bioproducts and Biorefining, 2014, 8, 253-282.	3.7	42
11	Interregional assessment of socio-economic effects of sugarcane ethanol production in Brazil. Renewable and Sustainable Energy Reviews, 2018, 88, 347-362.	16.4	42
12	Detecting systemic change in a land use system by Bayesian data assimilation. Environmental Modelling and Software, 2016, 75, 424-438.	4.5	39
13	Modeling the impacts of wood pellet demand on forest dynamics in southeastern United States. Biofuels, Bioproducts and Biorefining, 2017, 11, 1007-1029.	3.7	39
14	Identifying a land use change cellular automaton by Bayesian data assimilation. Environmental Modelling and Software, 2014, 53, 121-136.	4.5	38
15	Land use for bioenergy: Synergies and trade-offs between sustainable development goals. Renewable and Sustainable Energy Reviews, 2022, 161, 112409.	16.4	38
16	Wood pellets, what else? Greenhouse gas parity times of European electricity from wood pellets produced in the southâ€eastern United States using different softwood feedstocks. GCB Bioenergy, 2017, 9, 1406-1422.	5.6	33
17	Mapping land use changes resulting from biofuel production and the effect of mitigation measures. GCB Bioenergy, 2018, 10, 804-824.	5.6	33
18	The distribution of food security impacts of biofuels, a Ghana case study. Biomass and Bioenergy, 2020, 141, 105695.	5.7	31

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19	Spatiotemporal land use modelling to assess land availability for energy crops â€“ illustrated for <scp>M</scp>ozambique. GCB Bioenergy, 2012, 4, 859-874.	5.6	30
20	Bioelectricity potential from ecologically available sugarcane straw in Brazil: A spatially explicit assessment. Biomass and Bioenergy, 2019, 122, 391-399.	5.7	28
21	Combining empirical and theory-based land-use modelling approaches to assess economic potential of biofuel production avoiding iLUC: Argentina as a case study. Renewable and Sustainable Energy Reviews, 2014, 34, 208-224.	16.4	24
22	Carbon balance and economic performance of pine plantations for bioenergy production in the Southeastern United States. Biomass and Bioenergy, 2018, 117, 44-55.	5.7	21
23	Projecting socio-economic impacts of bioenergy: Current status and limitations of ex-ante quantification methods. Renewable and Sustainable Energy Reviews, 2019, 115, 109352.	16.4	21
24	Pathways for a Brazilian biobased economy: towards optimal utilization of biomass. Biofuels, Bioproducts and Biorefining, 2019, 13, 673-689.	3.7	21
25	Spatiotemporal costâ€supply curves for bioenergy production in Mozambique. Biofuels, Bioproducts and Biorefining, 2012, 6, 405-430.	3.7	20
26	Sustainable intensification of crop residue exploitation for bioenergy: Opportunities and challenges. GCB Bioenergy, 2020, 12, 71-89.	5.6	20
27	Spatial modeling of technoâ€economic potential of biojet fuel production in Brazil. GCB Bioenergy, 2020, 12, 136-157.	5.6	20
28	How a Pareto frontier complements scenario projections in land use change impact assessment. Environmental Modelling and Software, 2017, 97, 287-302.	4.5	19
29	Quantifying sustainable intensification of agriculture: The contribution of metrics and modelling. Ecological Indicators, 2021, 129, 107870.	6.3	18
30	Economic performance and GHG emission intensity of sugarcaneâ€and eucalyptusâ€derived biofuels and biobased chemicals in Brazil. Biofuels, Bioproducts and Biorefining, 2019, 13, 950-977.	3.7	17
31	Mapping the environmental and technoâ€economic potential of biojet fuel production from biomass residues in Brazil. Biofuels, Bioproducts and Biorefining, 2021, 15, 282-304.	3.7	16
32	Spatial Variation in Environmental Impacts of Sugarcane Expansion in Brazil. Land, 2020, 9, 397.	2.9	15
33	Integrated spatiotemporal modelling of bioenergy production potentials, agricultural land use, and related GHG balances; demonstrated for Ukraine. Biofuels, Bioproducts and Biorefining, 2014, 8, 391-411.	3.7	14
34	How does the interplay between resource availability, intersectoral competition and reliability affect a low-carbon power generation mix in Brazil for 2050?. Energy, 2020, 195, 116948.	8.8	13
35	Impact of increased wood pellet demand on biodiversity in the southâ€eastern United States. GCB Bioenergy, 2018, 10, 841-860.	5.6	11
36	Low-ILUC-risk rapeseed biodiesel: potential and indirect GHG emission effects in Eastern Romania. Biofuels, 2021, 12, 171-186.	2.4	11

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37	GHG Balance of Agricultural Intensification & Bioenergy Production in the Orinoquia Region, Colombia. Land, 2021, 10, 289.	2.9	11
38	Supply potential of lignocellulosic energy crops grown on marginal land and greenhouse gas footprint of advanced biofuelsâ€"A spatially explicit assessment under the sustainability criteria of the Renewable Energy Directive Recast. GCB Bioenergy, 2021, 13, 1425-1447.	5.6	11
39	Hydrological impacts of ethanol-driven sugarcane expansion in Brazil. Journal of Environmental Management, 2021, 282, 111942.	7.8	10
40	The impact of landâ€use change emissions on the potential of bioenergy as climate change mitigation option for a Brazilian lowâ€carbon energy system. GCB Bioenergy, 2022, 14, 110-131.	5.6	9
41	Biodiversity Impacts of Increased Ethanol Production in Brazil. Land, 2020, 9, 12.	2.9	8
42	Integral analysis of environmental and economic performance of combined agricultural intensification & bioenergy production in the Orinoquia region. Journal of Environmental Management, 2022, 303, 114137.	7.8	8
43	Bioenergy potential from invasive alien plants: Environmental and socio-economic impacts in Eastern Cape, South Africa. Biomass and Bioenergy, 2022, 158, 106340.	5.7	6
44	Spatial assessment of the techno-economic potential of bioelectricity production from sugarcane straw. Renewable Energy, 2020, 156, 1313-1324.	8.9	4