

Floor van der Hilst

List of Publications by Year in descending order

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44
papers

1,383
citations

331259

21
h-index

360668

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 state-of-the-art review. <i>GCB Bioenergy</i> , 2014, 6, 183-209.	2.5	194
2	Outlook for ethanol production costs in Brazil up to 2030, for different biomass crops and industrial technologies. <i>Applied Energy</i> , 2015, 147, 593-610.	5.1	89
3	Supply chain optimization of sugarcane first generation and eucalyptus second generation ethanol production in Brazil. <i>Applied Energy</i> , 2016, 173, 494-510.	5.1	67
4	Model collaboration for the improved assessment of biomass supply, demand, and impacts. <i>GCB Bioenergy</i> , 2015, 7, 422-437.	2.5	54
5	Applying a science-based systems perspective to dispel misconceptions about climate effects of forest bioenergy. <i>GCB Bioenergy</i> , 2021, 13, 1210-1231.	2.5	49
6	Spatio-temporal uncertainty in Spatial Decision Support Systems: A case study of changing land availability for bioenergy crops in Mozambique. <i>Computers, Environment and Urban Systems</i> , 2012, 36, 30-42.	3.3	45
7	What can and can't we say about indirect land-use change in Brazil using an integrated economic "land-use change model?". <i>GCB Bioenergy</i> , 2016, 8, 561-578.	2.5	45
8	Spatial variation of environmental impacts of regional biomass chains. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 2053-2069.	8.2	44
9	Potential, spatial distribution and economic performance of regional biomass chains: The North of the Netherlands as example. <i>Agricultural Systems</i> , 2010, 103, 403-417.	3.2	42
10	Optimization potential of biomass supply chains with torrefaction technology. <i>Biofuels, Bioproducts and Biorefining</i> , 2014, 8, 253-282.	1.9	42
11	Interregional assessment of socio-economic effects of sugarcane ethanol production in Brazil. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 88, 347-362.	8.2	42
12	Detecting systemic change in a land use system by Bayesian data assimilation. <i>Environmental Modelling and Software</i> , 2016, 75, 424-438.	1.9	39
13	Modeling the impacts of wood pellet demand on forest dynamics in southeastern United States. <i>Biofuels, Bioproducts and Biorefining</i> , 2017, 11, 1007-1029.	1.9	39
14	Identifying a land use change cellular automaton by Bayesian data assimilation. <i>Environmental Modelling and Software</i> , 2014, 53, 121-136.	1.9	38
15	Land use for bioenergy: Synergies and trade-offs between sustainable development goals. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 161, 112409.	8.2	38
16	Wood pellets, what else? Greenhouse gas parity times of European electricity from wood pellets produced in the southeastern United States using different softwood feedstocks. <i>GCB Bioenergy</i> , 2017, 9, 1406-1422.	2.5	33
17	Mapping land use changes resulting from biofuel production and the effect of mitigation measures. <i>GCB Bioenergy</i> , 2018, 10, 804-824.	2.5	33
18	The distribution of food security impacts of biofuels, a Ghana case study. <i>Biomass and Bioenergy</i> , 2020, 141, 105695.	2.9	31

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19	Spatiotemporal land use modelling to assess land availability for energy crops – illustrated for Mozambique. <i>GCB Bioenergy</i> , 2012, 4, 859-874.	2.5	30
20	Bioelectricity potential from ecologically available sugarcane straw in Brazil: A spatially explicit assessment. <i>Biomass and Bioenergy</i> , 2019, 122, 391-399.	2.9	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. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 34, 208-224.	8.2	24
22	Carbon balance and economic performance of pine plantations for bioenergy production in the Southeastern United States. <i>Biomass and Bioenergy</i> , 2018, 117, 44-55.	2.9	21
23	Projecting socio-economic impacts of bioenergy: Current status and limitations of ex-ante quantification methods. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 115, 109352.	8.2	21
24	Pathways for a Brazilian biobased economy: towards optimal utilization of biomass. <i>Biofuels, Bioproducts and Biorefining</i> , 2019, 13, 673-689.	1.9	21
25	Spatiotemporal cost-supply curves for bioenergy production in Mozambique. <i>Biofuels, Bioproducts and Biorefining</i> , 2012, 6, 405-430.	1.9	20
26	Sustainable intensification of crop residue exploitation for bioenergy: Opportunities and challenges. <i>GCB Bioenergy</i> , 2020, 12, 71-89.	2.5	20
27	Spatial modeling of techno-economic potential of biojet fuel production in Brazil. <i>GCB Bioenergy</i> , 2020, 12, 136-157.	2.5	20
28	How a Pareto frontier complements scenario projections in land use change impact assessment. <i>Environmental Modelling and Software</i> , 2017, 97, 287-302.	1.9	19
29	Quantifying sustainable intensification of agriculture: The contribution of metrics and modelling. <i>Ecological Indicators</i> , 2021, 129, 107870.	2.6	18
30	Economic performance and GHG emission intensity of sugarcane- and eucalyptus-derived biofuels and biobased chemicals in Brazil. <i>Biofuels, Bioproducts and Biorefining</i> , 2019, 13, 950-977.	1.9	17
31	Mapping the environmental and techno-economic potential of biojet fuel production from biomass residues in Brazil. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 282-304.	1.9	16
32	Spatial Variation in Environmental Impacts of Sugarcane Expansion in Brazil. <i>Land</i> , 2020, 9, 397.	1.2	15
33	Integrated spatiotemporal modelling of bioenergy production potentials, agricultural land use, and related GHG balances; demonstrated for Ukraine. <i>Biofuels, Bioproducts and Biorefining</i> , 2014, 8, 391-411.	1.9	14
34	How does the interplay between resource availability, intersectoral competition and reliability affect a low-carbon power generation mix in Brazil for 2050?. <i>Energy</i> , 2020, 195, 116948.	4.5	13
35	Impact of increased wood pellet demand on biodiversity in the southeastern United States. <i>GCB Bioenergy</i> , 2018, 10, 841-860.	2.5	11
36	Low-ILUC-risk rapeseed biodiesel: potential and indirect GHG emission effects in Eastern Romania. <i>Biofuels</i> , 2021, 12, 171-186.	1.4	11

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37	GHG Balance of Agricultural Intensification & Bioenergy Production in the Orinoquia Region, Colombia. <i>Land</i> , 2021, 10, 289.	1.2	11
38	Supply potential of lignocellulosic energy crops grown on marginal land and greenhouse gas footprint of advanced biofuels – A spatially explicit assessment under the sustainability criteria of the Renewable Energy Directive Recast. <i>GCB Bioenergy</i> , 2021, 13, 1425-1447.	2.5	11
39	Hydrological impacts of ethanol-driven sugarcane expansion in Brazil. <i>Journal of Environmental Management</i> , 2021, 282, 111942.	3.8	10
40	The impact of land-use change emissions on the potential of bioenergy as climate change mitigation option for a Brazilian low-carbon energy system. <i>GCB Bioenergy</i> , 2022, 14, 110-131.	2.5	9
41	Biodiversity Impacts of Increased Ethanol Production in Brazil. <i>Land</i> , 2020, 9, 12.	1.2	8
42	Integral analysis of environmental and economic performance of combined agricultural intensification & bioenergy production in the Orinoquia region. <i>Journal of Environmental Management</i> , 2022, 303, 114137.	3.8	8
43	Bioenergy potential from invasive alien plants: Environmental and socio-economic impacts in Eastern Cape, South Africa. <i>Biomass and Bioenergy</i> , 2022, 158, 106340.	2.9	6
44	Spatial assessment of the techno-economic potential of bioelectricity production from sugarcane straw. <i>Renewable Energy</i> , 2020, 156, 1313-1324.	4.3	4