

Wouter Mj Achten

List of Publications by Year in descending order

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53
papers

3,489
citations

218592

26
h-index

182361

51
g-index

55
all docs

55
docs citations

55
times ranked

3389
citing authors

#	ARTICLE	IF	CITATIONS
1	Jatropha bio-diesel production and use. Biomass and Bioenergy, 2008, 32, 1063-1084.	2.9	991
2	<i>Jatropha</i> biodiesel fueling sustainability?. Biofuels, Bioproducts and Biorefining, 2007, 1, 283-291.	1.9	206
3	Towards domestication of <i>Jatropha curcas</i>. Biofuels, 2010, 1, 91-107.	1.4	159
4	Plant-water relationships and growth strategies of <i>Jatropha curcas</i> L. seedlings under different levels of drought stress. Journal of Arid Environments, 2009, 73, 877-884.	1.2	157
5	Climatic growing conditions of <i>Jatropha curcas</i> L.. Biomass and Bioenergy, 2009, 33, 1481-1485.	2.9	145
6	Life cycle assessment of <i>Jatropha</i> biodiesel as transportation fuel in rural India. Applied Energy, 2010, 87, 3652-3660.	5.1	141
7	<i>Jatropha</i> : From global hype to local opportunity. Journal of Arid Environments, 2010, 74, 164-165.	1.2	136
8	Biomass production and allocation in <i>Jatropha curcas</i> L. seedlings under different levels of drought stress. Biomass and Bioenergy, 2010, 34, 667-676.	2.9	135
9	Comparison of carbon estimation methods for European forests. Forest Ecology and Management, 2016, 361, 397-420.	1.4	106
10	Dockless E-Scooter: A Green Solution for Mobility? Comparative Case Study between Dockless E-Scooters, Displaced Transport, and Personal E-Scooters. Sustainability, 2020, 12, 1803.	1.6	104
11	Urban waste flows and their potential for a circular economy model at city-region level. Waste Management, 2019, 83, 83-94.	3.7	102
12	Carbon footprint of science: More than flying. Ecological Indicators, 2013, 34, 352-355.	2.6	87
13	More than biofuel? <i>Jatropha curcas</i> root system symmetry and potential for soil erosion control. Journal of Arid Environments, 2011, 75, 201-205.	1.2	77
14	Implications of Biodiesel-Induced Land-Use Changes for CO2 Emissions: Case Studies in Tropical America, Africa, and Southeast Asia. Ecology and Society, 2011, 16, .	1.0	74
15	Life Cycle Assessment of a Palm Oil System with Simultaneous Production of Biodiesel and Cooking Oil in Cameroon. Environmental Science & Technology, 2010, 44, 4809-4815.	4.6	57
16	Global mapping of <i>Jatropha curcas</i> yield based on response of fitness to present and future climate. GCB Bioenergy, 2010, 2, 139-151.	2.5	54
17	Social life-cycle assessment frameworks: a review of criteria and indicators proposed to assess social and socioeconomic impacts. International Journal of Life Cycle Assessment, 2018, 23, 904-920.	2.2	53
18	Input-output models and waste management analysis: A critical review. Journal of Cleaner Production, 2020, 249, 119359.	4.6	48

#	ARTICLE	IF	CITATIONS
19	Carbon and Water Footprints and Energy Use of Greenhouse Tomato Production in Northern Italy. <i>Journal of Industrial Ecology</i> , 2014, 18, 898-908.	2.8	44
20	Floral display and effects of natural and artificial pollination on fruiting and seed yield of the tropical biofuel crop <i>Jatropha curcas</i> L. <i>GCB Bioenergy</i> , 2014, 6, 210-218.	2.5	39
21	Monitoring stomatal conductance of <i>Jatropha curcas</i> seedlings under different levels of water shortage with infrared thermography. <i>Agricultural and Forest Meteorology</i> , 2011, 151, 554-564.	1.9	37
22	Life cycle assessment of wheat gluten powder and derived packaging film. <i>Biofuels, Bioproducts and Biorefining</i> , 2013, 7, 429-458.	1.9	36
23	Pig manure treatment with housefly (<i>Musca domestica</i>) rearing – an environmental life cycle assessment. <i>Journal of Insects As Food and Feed</i> , 2015, 1, 195-214.	2.1	35
24	Global greenhouse gas implications of land conversion to biofuel crop cultivation in arid and semi-arid lands – Lessons learned from <i>Jatropha</i> . <i>Journal of Arid Environments</i> , 2013, 98, 135-145.	1.2	34
25	Benchmarking the Environmental Performance of the <i>Jatropha</i> Biodiesel System through a Generic Life Cycle Assessment. <i>Environmental Science & Technology</i> , 2011, 45, 5447-5453.	4.6	30
26	Environmental impact assessment and monetary ecosystem service valuation of an ecosystem under different future environmental change and management scenarios; a case study of a Scots pine forest. <i>Journal of Environmental Management</i> , 2016, 173, 79-94.	3.8	28
27	Gully erosion in South Eastern Tanzania: spatial distribution and topographic thresholds. <i>Zeitschrift für Geomorphologie</i> , 2008, 52, 225-235.	0.3	27
28	Life cycle cost assessment of insect based feed production in West Africa. <i>Journal of Cleaner Production</i> , 2018, 199, 792-806.	4.6	25
29	EU – Average Impacts of Wheat Production: A Meta-Analysis of Life Cycle Assessments. <i>Journal of Industrial Ecology</i> , 2016, 20, 132-144.	2.8	24
30	Use of inadequate data and methodological errors lead to an overestimation of the water footprint of <i>Jatropha curcas</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, E91.	3.3	22
31	Invasiveness risk of biofuel crops using <i>Jatropha curcas</i> L. as a model species. <i>Biofuels, Bioproducts and Biorefining</i> , 2013, 7, 485-498.	1.9	20
32	Opportunities and Constraints of Promoting New Tree Crops – Lessons Learned from <i>Jatropha</i> . <i>Sustainability</i> , 2014, 6, 3213-3231.	1.6	20
33	Greenhouse gas emission timing in life cycle assessment and the global warming potential of perennial energy crops. <i>Carbon Management</i> , 2015, 6, 185-195.	1.2	18
34	Life Cycle Inventory Analysis of Prospective Insect Based Feed Production in West Africa. <i>Sustainability</i> , 2017, 9, 1697.	1.6	18
35	Cost-efficient emission abatement of energy and transportation technologies: mitigation costs and policy impacts for Belgium. <i>Clean Technologies and Environmental Policy</i> , 2014, 16, 1107-1118.	2.1	17
36	Insufficient Evidence of <i>Jatropha curcas</i> L. Invasiveness: Experimental Observations in Burkina Faso, West Africa. <i>Bioenergy Research</i> , 2015, 8, 570-580.	2.2	17

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37	Ex-ante life cycle impact assessment of insect based feed production in West Africa. <i>Agricultural Systems</i> , 2020, 178, 102710.	3.2	17
38	Invasiveness risk of the tropical biofuel crop <i>Jatropha curcas</i> L. into adjacent land use systems: from the rumors to the experimental facts. <i>GCB Bioenergy</i> , 2013, 5, 419-430.	2.5	16
39	Who benefits from energy policy incentives? The case of <i>Jatropha</i> adoption by smallholders in Mexico. <i>Energy Policy</i> , 2015, 79, 37-47.	4.2	16
40	Effect of farming system and yield in the life cycle assessment of <i>Jatropha</i> -based bioenergy in Mali. <i>Energy for Sustainable Development</i> , 2014, 23, 258-265.	2.0	15
41	Spatial optimization of <i>Jatropha</i> based electricity value chains including the effect of emissions from land use change. <i>Biomass and Bioenergy</i> , 2016, 90, 218-229.	2.9	14
42	Comparative life cycle assessment and life cycle costing of lodging in the Himalaya. <i>International Journal of Life Cycle Assessment</i> , 2017, 22, 1851-1863.	2.2	12
43	Impact of land use change to <i>Jatropha</i> bioenergy plantations on biomass and soil carbon stocks: a field study in Mali. <i>GCB Bioenergy</i> , 2016, 8, 443-455.	2.5	10
44	Circular economy scenario modelling using a multiregional hybrid input-output model: The case of Belgium and its regions. <i>Sustainable Production and Consumption</i> , 2021, 27, 889-904.	5.7	9
45	Effects of accession, spacing and pruning management on in-situ leaf litter decomposition of <i>Jatropha curcas</i> L. in Zambia. <i>Biomass and Bioenergy</i> , 2015, 81, 505-513.	2.9	8
46	Operationalising territorial life cycle inventory through the development of territorial emission factor for European agricultural land use. <i>Journal of Cleaner Production</i> , 2020, 263, 121565.	4.6	8
47	Proposing a life cycle land use impact calculation methodology. <i>Nature Precedings</i> , 2009, , .	0.1	6
48	Sustainability in Development Cooperation: Preliminary Findings on the Carbon Footprint of Development Aid Organizations. <i>Sustainable Development</i> , 2014, 22, 349-359.	6.9	5
49	Conserving Open Natural Pollination Safeguards <i>Jatropha</i> Oil Yield and Oil Quality. <i>Bioenergy Research</i> , 2015, 8, 340-349.	2.2	5
50	The economics and greenhouse gas balance of land conversion to <i>Jatropha</i> : the case of Tanzania. <i>GCB Bioenergy</i> , 2015, 7, 302-315.	2.5	4
51	Initial Effects of Fertilization and Canopy Management on Flowering and Seed and Oil Yields of <i>Jatropha curcas</i> L. in Malawi. <i>Bioenergy Research</i> , 2016, 9, 1231-1240.	2.2	4
52	Science journals have been slow to make themselves audible. <i>Nature</i> , 2008, 455, 590-590.	18.7	0
53	Commentary: We lack evidence to call <i>Jatropha</i> invasive. <i>Biofuels, Bioproducts and Biorefining</i> , 2015, 9, 123-124.	1.9	0