# 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 | Circular economy scenario modelling using a multiregional hybrid input-output model: The case of Belgium and its regions. Sustainable Production and Consumption, 2021, 27, 889-904. | 5.7 | 9 |
| 2 | Input-output models and waste management analysis: A critical review. Journal of Cleaner Production, 2020, 249, 119359. | 4.6 | 48 |
| 3 | Ex-ante life cycle impact assessment of insect based feed production in West Africa. Agricultural Systems, 2020, 178, 102710. | 3.2 | 17 |
| 4 | Operationalising territorial life cycle inventory through the development of territorial emission factor for European agricultural land use. Journal of Cleaner Production, 2020, 263, 121565. | 4.6 | 8 |
| 5 | 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 |
| 6 | Urban waste flows and their potential for a circular economy model at city-region level. Waste Management, 2019, 83, 83-94. | 3.7 | 102 |
| 7 | 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 |
| 8 | Life cycle cost assessment of insect based feed production in West Africa. Journal of Cleaner Production, 2018, 199, 792-806. | 4.6 | 25 |
| 9 | Comparative life cycle assessment and life cycle costing of lodging in the Himalaya. International Journal of Life Cycle Assessment, 2017, 22, 1851-1863. | 2.2 | 12 |
| 10 | Life Cycle Inventory Analysis of Prospective Insect Based Feed Production in West Africa. Sustainability, 2017, 9, 1697. | 1.6 | 18 |
| 11 | Impact of landâ€use change to <scp>J</scp>atropha bioenergy plantations on biomass and soil carbon stocks: a field study in <scp>M</scp>ali. GCB Bioenergy, 2016, 8, 443-455. | 2.5 | 10 |
| 12 | Spatial optimization of Jatropha based electricity value chains including the effect of emissions from land use change. Biomass and Bioenergy, 2016, 90, 218-229. | 2.9 | 14 |
| 13 | Initial Effects of Fertilization and Canopy Management on Flowering and Seed and Oil Yields of Jatropha curcas L. in Malawi. Bioenergy Research, 2016, 9, 1231-1240. | 2.2 | 4 |
| 14 | Comparison of carbon estimation methods for European forests. Forest Ecology and Management, 2016, 361, 397-420. | 1.4 | 106 |
| 15 | EUâ€Average Impacts of Wheat Production: A Metaâ€Analysis of Life Cycle Assessments. Journal of Industrial Ecology, 2016, 20, 132-144. | 2.8 | 24 |
| 16 | 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. Journal of Environmental Management, 2016, 173, 79-94. | 3.8 | 28 |
| 17 | Pig manure treatment with housefly (Musca domestica) rearing â€“ an environmental life cycle assessment. Journal of Insects As Food and Feed, 2015, 1, 195-214. | 2.1 | 35 |
| 18 | Commentary: We lack evidence to call Jatropha invasive. Biofuels, Bioproducts and Biorefining, 2015, 9, 123-124. | 1.9 | 0 |

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|---|---|---|---|
| 19 | Greenhouse gas emission timing in life cycle assessment and the global warming potential of perennial energy crops. Carbon Management, 2015, 6, 185-195. | 1.2 | 18 |
| 20 | Who benefits from energy policy incentives? The case of jatropha adoption by smallholders in Mexico. Energy Policy, 2015, 79, 37-47. | 4.2 | 16 |
| 21 | Insufficient Evidence of Jatropha curcas L. Invasiveness: Experimental Observations in Burkina Faso, West Africa. Bioenergy Research, 2015, 8, 570-580. | 2.2 | 17 |
| 22 | Conserving Open Natural Pollination Safeguards Jatropha Oil Yield and Oil Quality. Bioenergy Research, 2015, 8, 340-349. | 2.2 | 5 |
| 23 | The economics and greenhouse gas balance of land conversion to <scp>J</scp>atropha: the case of <scp>T</scp>anzania. GCB Bioenergy, 2015, 7, 302-315. | 2.5 | 4 |
| 24 | Effects of accession, spacing and pruning management on in-situ leaf litter decomposition of Jatropha curcas L. in Zambia. Biomass and Bioenergy, 2015, 81, 505-513. | 2.9 | 8 |
| 25 | Opportunities and Constraints of Promoting New Tree Cropsâ€"Lessons Learned from Jatropha. Sustainability, 2014, 6, 3213-3231. | 1.6 | 20 |
| 26 | Carbon and Water Footprints and Energy Use of Greenhouse Tomato Production in Northern Italy. Journal of Industrial Ecology, 2014, 18, 898-908. | 2.8 | 44 |
| 27 | Cost-efficient emission abatement of energy and transportation technologies: mitigation costs and policy impacts for Belgium. Clean Technologies and Environmental Policy, 2014, 16, 1107-1118. | 2.1 | 17 |
| 28 | Effect of farming system and yield in the life cycle assessment of Jatropha-based bioenergy in Mali. Energy for Sustainable Development, 2014, 23, 258-265. | 2.0 | 15 |
| 29 | Floral display and effects of natural and artificial pollination on fruiting and seed yield of the tropical biofuel crop <scp>J</scp>atropha curcas L.. GCB Bioenergy, 2014, 6, 210-218. | 2.5 | 39 |
| 30 | Sustainability in Development Cooperation: Preliminary Findings on the Carbon Footprint of Development Aid Organizations. Sustainable Development, 2014, 22, 349-359. | 6.9 | 5 |
| 31 | Global greenhouse gas implications of land conversion to biofuel crop cultivation in arid and semi-arid lands â€“ Lessons learned from Jatropha. Journal of Arid Environments, 2013, 98, 135-145. | 1.2 | 34 |
| 32 | Carbon footprint of science: More than flying. Ecological Indicators, 2013, 34, 352-355. | 2.6 | 87 |
| 33 | Life cycle assessment of wheat gluten powder and derived packaging film. Biofuels, Bioproducts and Biorefining, 2013, 7, 429-458. | 1.9 | 36 |
| 34 | Invasiveness risk of the tropical biofuel crop <scp>J</scp>atropha curcas L. into adjacent land use systems: from the rumors to the experimental facts. GCB Bioenergy, 2013, 5, 419-430. | 2.5 | 16 |
| 35 | Invasiveness risk of biofuel crops using Jatropha curcas L. as a model species. Biofuels, Bioproducts and Biorefining, 2013, 7, 485-498. | 1.9 | 20 |
| 36 | Benchmarking the Environmental Performance of theJatrophaBiodiesel System through a Generic Life Cycle Assessment. Environmental Science & Technology, 2011, 45, 5447-5453. | 4.6 | 30 |

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|---|---|---|---|
| 37 | Monitoring stomatal conductance of Jatropha curcas seedlings under different levels of water shortage with infrared thermography. Agricultural and Forest Meteorology, 2011, 151, 554-564. | 1.9 | 37 |
| 38 | More than biofuel? Jatropha curcas root system symmetry and potential for soil erosion control. Journal of Arid Environments, 2011, 75, 201-205. | 1.2 | 77 |
| 39 | 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 |
| 40 | Life cycle assessment of Jatropha biodiesel as transportation fuel in rural India. Applied Energy, 2010, 87, 3652-3660. | 5.1 | 141 |
| 41 | Biomass production and allocation in Jatropha curcas L. seedlings under different levels of drought stress. Biomass and Bioenergy, 2010, 34, 667-676. | 2.9 | 135 |
| 42 | 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 |
| 43 | Towards domestication ofJatropha curcas. Biofuels, 2010, 1, 91-107. | 1.4 | 159 |
| 44 | Jatropha: From global hype to local opportunity. Journal of Arid Environments, 2010, 74, 164-165. | 1.2 | 136 |
| 45 | Global mapping of Jatropha curcas yield based on response of fitness to present and future climate. GCB Bioenergy, 2010, 2, 139-151. | 2.5 | 54 |
| 46 | Proposing a life cycle land use impact calculation methodology. Nature Precedings, 2009, , . | 0.1 | 6 |
| 47 | Use of inadequate data and methodological errors lead to an overestimation of the water footprint of Jatropha curcas. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, E91. | 3.3 | 22 |
| 48 | Climatic growing conditions of Jatropha curcas L.. Biomass and Bioenergy, 2009, 33, 1481-1485. | 2.9 | 145 |
| 49 | Plantâ€“water relationships and growth strategies of Jatropha curcas L. seedlings under different levels of drought stress. Journal of Arid Environments, 2009, 73, 877-884. | 1.2 | 157 |
| 50 | Jatropha bio-diesel production and use. Biomass and Bioenergy, 2008, 32, 1063-1084. | 2.9 | 991 |
| 51 | Science journals have been slow to make themselves audible. Nature, 2008, 455, 590-590. | 13.7 | 0 |
| 52 | Gully erosion in South Eastern Tanzania: spatial distribution and topographic thresholds. Zeitschrift FÃ¼r Geomorphologie, 2008, 52, 225-235. | 0.3 | 27 |
| 53 | Jatropha biodiesel fueling sustainability?. Biofuels, Bioproducts and Biorefining, 2007, 1, 283-291. | 1.9 | 206 |