# Sylvestre Njakou Djomo

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8056222/publications.pdf

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|---|---|---|---|
| 24<br>papers | 1,539<br>citations | 430754<br>18<br>h-index | 580701<br>25<br>g-index |
| 25<br>all docs | 25<br>docs citations | 25<br>times ranked | 2590<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Landâ€use change to bioenergy production in <scp>E</scp>urope: implications for the greenhouse gas balance and soil carbon. GCB Bioenergy, 2012, 4, 372-391. | 2.5 | 298 |
| 2 | Energy and greenhouse gas balance of bioenergy production from poplar and willow: a review. GCB Bioenergy, 2011, 3, 181-197. | 2.5 | 159 |
| 3 | Trade-offs in using European forests to meet climate objectives. Nature, 2018, 562, 259-262. | 13.7 | 149 |
| 4 | Biomass yield and energy balance of a short-rotation poplar coppice with multiple clones on degraded land during 16 years. Biomass and Bioenergy, 2013, 56, 157-165. | 2.9 | 110 |
| 5 | A systematic review of environmental and economic impacts of smart grids. Renewable and Sustainable Energy Reviews, 2017, 68, 888-898. | 8.2 | 107 |
| 6 | Energy performances of intensive and extensive short rotation cropping systems for woody biomass production in the EU. Renewable and Sustainable Energy Reviews, 2015, 41, 845-854. | 8.2 | 95 |
| 7 | Comparative life cycle assessment of three biohydrogen pathways. Bioresource Technology, 2011, 102, 2684-2694. | 4.8 | 79 |
| 8 | Environmental impacts of producing bioethanol and biobased lactic acid from standalone and integrated biorefineries using a consequential and an attributional life cycle assessment approach. Science of the Total Environment, 2017, 598, 497-512. | 3.9 | 63 |
| 9 | The importance of including soil carbon changes, ecotoxicity and biodiversity impacts in environmental life cycle assessments of organic and conventional milk in Western Europe. Journal of Cleaner Production, 2019, 215, 433-443. | 4.6 | 56 |
| 10 | The European land and inland water CO<sub>2</sub>, CO, CH<sub>4</sub> and N<sub>2</sub>O balance between 2001 and 2005. Biogeosciences, 2012, 9, 3357-3380. | 1.3 | 53 |
| 11 | Environmental life cycle assessment of producing willow, alfalfa and straw from spring barley as feedstocks for bioenergy or biorefinery systems. Science of the Total Environment, 2017, 586, 226-240. | 3.9 | 52 |
| 12 | Energy and climate benefits of bioelectricity from low-input short rotation woody crops on agricultural land over a two-year rotation. Applied Energy, 2013, 111, 862-870. | 5.1 | 51 |
| 13 | Impact of feedstock, land use change, and soil organic carbon on energy and greenhouse gas performance of biomass cogeneration technologies. Applied Energy, 2015, 154, 122-130. | 5.1 | 43 |
| 14 | Biochar potentially mitigates greenhouse gas emissions from cultivation of oilseed rape for biodiesel. Science of the Total Environment, 2019, 671, 180-188. | 3.9 | 40 |
| 15 | A comparative analysis of the carbon intensity of biofuels caused by land use changes. GCB Bioenergy, 2012, 4, 392-407. | 2.5 | 36 |
| 16 | Life cycle assessment of hydrogen produced from potato steam peels. International Journal of Hydrogen Energy, 2008, 33, 3067-3072. | 3.8 | 35 |
| 17 | Greenhouse gas balance of cropland conversion to bioenergy poplar short-rotation coppice. Biogeosciences, 2016, 13, 95-113. | 1.3 | 29 |
| 18 | Green proteins: An energyâ€efficient solution for increased selfâ€sufficiency in protein in Europe. Biofuels, Bioproducts and Biorefining, 2020, 14, 605-619. | 1.9 | 23 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Bio-Energy Retains Its Mitigation Potential Under Elevated CO2. PLoS ONE, 2010, 5, e11648. | 1.1 | 16 |
| 20 | Carbon costs and benefits of Franceâ€™s biomass energy production targets. Carbon Balance and Management, 2018, 13, 26. | 1.4 | 13 |
| 21 | Combining a land surface model with life cycle assessment for identifying the optimal management of short rotation coppice in Belgium. Biomass and Bioenergy, 2019, 121, 78-88. | 2.9 | 10 |
| 22 | Solving the multifunctionality dilemma in biorefineries with a novel hybrid massâ€“energy allocation method. GCB Bioenergy, 2017, 9, 1674-1686. | 2.5 | 9 |
| 23 | Methods for regionalization of impacts of non-toxic air pollutants in life-cycle assessments often tell a consistent story. Atmospheric Environment, 2017, 169, 218-228. | 1.9 | 5 |
| 24 | Obligatory inclusion of uncertainty avoids systematic underestimation of Danish pork water use and incentivizes provision of specific inventory data. Journal of Cleaner Production, 2019, 233, 1355-1365. | 4.6 | 5 |