Niclas Scott Bentsen

List of Publications by Year
in descending order

27 papers	997 citations	567281 15 h-index	552781 26 g-index
27 all docs	27 docs citations	27 times ranked	1588 citing authors

#	Article	IF	Citations
1	Land use for bioenergy: Synergies and trade-offs between sustainable development goals. Renewable and Sustainable Energy Reviews, 2022, 161, 112409.	16.4	38
2	Understanding the sustainability debate on forest biomass for energy in Europe: A discourse analysis. PLoS ONE, 2021, 16, e0246873.	2.5	24
3	CO₂ emission mitigation through fuel transition on Danish CHP and district heating plants. GCB Bioenergy, 2021, 13, 1162-1178.	5.6	2
4	Applying a scienceâ€based systems perspective to dispel misconceptions about climate effects of forest bioenergy. GCB Bioenergy, 2021, 13, 1210-1231.	5.6	49
5	Ecosystem Service Benefits and Trade-Offsâ€"Selecting Tree Species in Denmark for Bioenergy Production. Forests, 2020, 11, 277.	2.1	4
6	Implementation of voluntary verification of sustainability for solid biomassâ€"a case study from Denmark. Energy, Sustainability and Society, 2019, 9, .	3.8	11
7	Ecosystem carbon stocks and their temporal resilience in a semi-natural beech-dominated forest. Forest Ecology and Management, 2019, 447, 67-76.	3.2	25
8	Biomass for Biorefineries: Availability and Costs. , 2019, , 37-48.		1
9	Sustainability governance of the Danish bioeconomy â€" the case of bioenergy and biomaterials from agriculture. Energy, Sustainability and Society, 2019, 9, .	3.8	11
10	Dynamic sustainability assessment of heat and electricity production based on agricultural crop residues in Denmark. Journal of Cleaner Production, 2019, 213, 491-507.	9.3	25
11	Agricultural residues for energy - A case study on the influence of resource availability, economy and policy on the use of straw for energy in Denmark and Sweden. Biomass and Bioenergy, 2018, 108, 278-288.	5.7	38
12	Carbon Debt Payback Time for a Biomass Fired CHP Plantâ€"A Case Study from Northern Europe. Energies, 2018, 11, 807.	3.1	10
13	Carbon debt and payback time â€“ Lost in the forest?. Renewable and Sustainable Energy Reviews, 2017, 73, 1211-1217.	16.4	51
14	Solar energy conserved in biomass: Sustainable bioenergy use and reduction of land use change. Renewable and Sustainable Energy Reviews, 2017, 71, 954-958.	16.4	26
15	Status and prospects for renewable energy using wood pellets from the southeastern United States. GCB Bioenergy, 2017, 9, 1296-1305.	5.6	52
16	Opportunities to encourage mobilization of sustainable bioenergy supply chains. Wiley Interdisciplinary Reviews: Energy and Environment, 2017, 6, e237.	4.1	8
17	Possibilities for near-term bioenergy production and GHG-mitigation through sustainable intensification of agriculture and forestry in Denmark. Environmental Research Letters, 2017, 12, 114032.	5.2	15
18	Comparing predicted yield and yield stability of willow and Miscanthus across Denmark. GCB Bioenergy, 2016, 8, 1061-1070.	5.6	24

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19	Agricultural residue production and potentials for energy and materials services. Progress in Energy and Combustion Science, 2014, 40, 59-73.	31.2	217
20	CO2 emissions from crop residue-derived biofuels. Nature Climate Change, 2014, 4, 932-932.	18.8	5
21	Allocation of biomass resources for minimising energy system greenhouse gas emissions. Energy, 2014, 69, 506-515.	8.8	52
22	Bioenergy, sustainability, and the second law. GCB Bioenergy, 2013, 5, 3-5.	5.6	1
23	Biomass for energy in the European Union - a review of bioenergy resource assessments. Biotechnology for Biofuels, 2012, 5, 25.	6.2	202
24	The state of forest vegetation management in Europe in the 21st century. European Journal of Forest Research, 2011, 130, 7-16.	2.5	46
25	Forest vegetation management under debate: an introduction. European Journal of Forest Research, 2011, 130, 1-5.	2.5	38
26	Energy, feed and landâ€use balances of refining winter wheat to ethanol. Biofuels, Bioproducts and Biorefining, 2009, 3, 521-533.	3.7	14
27	Survival and growth of Abies nordmanniana in forest and field in relation to stock type and root pruning prior to transplanting. Annals of Forest Science, 2003, 60, 757-762.	2.0	8