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	Agricultural residue production and potentials for energy and materials services. Progress in Energy and Combustion Science, 2014, 40, 59-73.	31.2	217
2	Biomass for energy in the European Union - a review of bioenergy resource assessments. Biotechnology for Biofuels, 2012, 5, 25.	6.2	202
3	Allocation of biomass resources for minimising energy system greenhouse gas emissions. Energy, 2014, 69, 506-515.	8.8	52
4	Status and prospects for renewable energy using wood pellets from the southeastern United States. GCB Bioenergy, 2017, 9, 1296-1305.	5.6	52
5	Carbon debt and payback time â€“ Lost in the forest?. Renewable and Sustainable Energy Reviews, 2017, 73, 1211-1217.	16.4	51
6	Applying a scienceâ€based systems perspective to dispel misconceptions about climate effects of forest bioenergy. GCB Bioenergy, 2021, 13, 1210-1231.	5.6	49
7	The state of forest vegetation management in Europe in the 21st century. European Journal of Forest Research, 2011, 130, 7-16.	2.5	46
8	Forest vegetation management under debate: an introduction. European Journal of Forest Research, 2011, 130, 1-5.	2.5	38
9	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
10	Land use for bioenergy: Synergies and trade-offs between sustainable development goals. Renewable and Sustainable Energy Reviews, 2022, 161, 112409.	16.4	38
11	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
12	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
13	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
14	Comparing predicted yield and yield stability of willow and Miscanthus across Denmark. GCB Bioenergy, 2016, 8, 1061-1070.	5.6	24
15	Understanding the sustainability debate on forest biomass for energy in Europe: A discourse analysis. PLoS ONE, 2021, 16, e0246873.	2.5	24
16	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
17	Energy, feed and landâ€use balances of refining winter wheat to ethanol. Biofuels, Bioproducts and Biorefining, 2009, 3, 521-533.	3.7	14
18	Implementation of voluntary verification of sustainability for solid biomassâ€”a case study from Denmark. Energy, Sustainability and Society, 2019, 9, .	3.8	11

#	Article	IF	Citations
19	Sustainability governance of the Danish bioeconomy â€" the case of bioenergy and biomaterials from agriculture. Energy, Sustainability and Society, 2019, 9, .	3.8	11
20	Carbon Debt Payback Time for a Biomass Fired CHP Plantâ€"A Case Study from Northern Europe. Energies, 2018, 11, 807.	3.1	10
21	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
22	Opportunities to encourage mobilization of sustainable bioenergy supply chains. Wiley Interdisciplinary Reviews: Energy and Environment, 2017, 6, e237.	4.1	8
23	CO2 emissions from crop residue-derived biofuels. Nature Climate Change, 2014, 4, 932-932.	18.8	5
24	Ecosystem Service Benefits and Trade-Offsâ€"Selecting Tree Species in Denmark for Bioenergy Production. Forests, 2020, 11, 277.	2.1	4
25	CO₂ emission mitigation through fuel transition on Danish CHP and district heating plants. GCB Bioenergy, 2021, 13, 1162-1178.	5.6	2
26	Bioenergy, sustainability, and the second law. GCB Bioenergy, 2013, 5, 3-5.	5.6	1
27	Biomass for Biorefineries: Availability and Costs. , 2019, , 37-48.		1