

Niclas Scott Bentsen

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

997
citations

566801

15
h-index

552369

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. <i>Progress in Energy and Combustion Science</i> , 2014, 40, 59-73.	15.8	217
2	Biomass for energy in the European Union - a review of bioenergy resource assessments. <i>Biotechnology for Biofuels</i> , 2012, 5, 25.	6.2	202
3	Allocation of biomass resources for minimising energy system greenhouse gas emissions. <i>Energy</i> , 2014, 69, 506-515.	4.5	52
4	Status and prospects for renewable energy using wood pellets from the southeastern United States. <i>GCB Bioenergy</i> , 2017, 9, 1296-1305.	2.5	52
5	Carbon debt and payback time – Lost in the forest?. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 73, 1211-1217.	8.2	51
6	Applying a science-based systems perspective to dispel misconceptions about climate effects of forest bioenergy. <i>GCB Bioenergy</i> , 2021, 13, 1210-1231.	2.5	49
7	The state of forest vegetation management in Europe in the 21st century. <i>European Journal of Forest Research</i> , 2011, 130, 7-16.	1.1	46
8	Forest vegetation management under debate: an introduction. <i>European Journal of Forest Research</i> , 2011, 130, 1-5.	1.1	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. <i>Biomass and Bioenergy</i> , 2018, 108, 278-288.	2.9	38
10	Land use for bioenergy: Synergies and trade-offs between sustainable development goals. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 161, 112409.	8.2	38
11	Solar energy conserved in biomass: Sustainable bioenergy use and reduction of land use change. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 71, 954-958.	8.2	26
12	Ecosystem carbon stocks and their temporal resilience in a semi-natural beech-dominated forest. <i>Forest Ecology and Management</i> , 2019, 447, 67-76.	1.4	25
13	Dynamic sustainability assessment of heat and electricity production based on agricultural crop residues in Denmark. <i>Journal of Cleaner Production</i> , 2019, 213, 491-507.	4.6	25
14	Comparing predicted yield and yield stability of willow and <i>Miscanthus</i> across Denmark. <i>GCB Bioenergy</i> , 2016, 8, 1061-1070.	2.5	24
15	Understanding the sustainability debate on forest biomass for energy in Europe: A discourse analysis. <i>PLoS ONE</i> , 2021, 16, e0246873.	1.1	24
16	Possibilities for near-term bioenergy production and GHG-mitigation through sustainable intensification of agriculture and forestry in Denmark. <i>Environmental Research Letters</i> , 2017, 12, 114032.	2.2	15
17	Energy, feed and land-use balances of refining winter wheat to ethanol. <i>Biofuels, Bioproducts and Biorefining</i> , 2009, 3, 521-533.	1.9	14
18	Implementation of voluntary verification of sustainability for solid biomass – a case study from Denmark. <i>Energy, Sustainability and Society</i> , 2019, 9, .	1.7	11

#	ARTICLE	IF	CITATIONS
19	Sustainability governance of the Danish bioeconomy – the case of bioenergy and biomaterials from agriculture. <i>Energy, Sustainability and Society</i> , 2019, 9, .	1.7	11
20	Carbon Debt Payback Time for a Biomass Fired CHP Plant – A Case Study from Northern Europe. <i>Energies</i> , 2018, 11, 807.	1.6	10
21	Survival and growth of <i>Abies nordmanniana</i> in forest and field in relation to stock type and root pruning prior to transplanting. <i>Annals of Forest Science</i> , 2003, 60, 757-762.	0.8	8
22	Opportunities to encourage mobilization of sustainable bioenergy supply chains. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2017, 6, e237.	1.9	8
23	CO ₂ emissions from crop residue-derived biofuels. <i>Nature Climate Change</i> , 2014, 4, 932-932.	8.1	5
24	Ecosystem Service Benefits and Trade-Offs – Selecting Tree Species in Denmark for Bioenergy Production. <i>Forests</i> , 2020, 11, 277.	0.9	4
25	CO ₂ emission mitigation through fuel transition on Danish CHP and district heating plants. <i>GCB Bioenergy</i> , 2021, 13, 1162-1178.	2.5	2
26	Bioenergy, sustainability, and the second law. <i>GCB Bioenergy</i> , 2013, 5, 3-5.	2.5	1
27	Biomass for Biorefineries: Availability and Costs. , 2019, , 37-48.		1