

Tommy Dalgaard

List of Publications by Year in descending order

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103
papers

5,049
citations

94433

37
h-index

95266

68
g-index

104
all docs

104
docs citations

104
times ranked

6980
citing authors

#	ARTICLE	IF	CITATIONS
1	What does framing theory add to our understanding of collective decision making in nitrogen management?. <i>Landscape Ecology</i> , 2023, 38, 4139-4155.	4.2	1
2	Social factors influencing actor agency of nitrate management in local agricultural landscapes of Poland. <i>Landscape Ecology</i> , 2023, 38, 4157-4175.	4.2	1
3	Targeting sustainable greenhouse agriculture policies in China and Denmark: A comparative study. <i>Land Use Policy</i> , 2022, 119, 106148.	5.6	6
4	Soil-Improving Cropping Systems for Sustainable and Profitable Farming in Europe. <i>Land</i> , 2022, 11, 780.	2.9	16
5	Policies for wetlands implementation in Denmark and Sweden – historical lessons and emerging issues. <i>Land Use Policy</i> , 2021, 101, 105206.	5.6	15
6	Achieving Sustainable Nitrogen Management in Mixed Farming Landscapes Based on Collaborative Planning. <i>Sustainability</i> , 2021, 13, 2140.	3.2	0
7	Mapping conversations about land use: How modern farmers practice individuality. <i>Empedocles</i> , 2021, 12, 5-17.	0.1	1
8	The Role of Stakeholder Engagement in Developing New Technologies and Innovation for Nitrogen Reduction in Waters: A Longitudinal Study. <i>Water (Switzerland)</i> , 2021, 13, 3313.	2.7	6
9	Shrub Encroachment Following Wetland Creation in Mixedgrass Prairie Alters Grassland Vegetation and Soil. <i>Environmental Management</i> , 2020, 66, 1120-1132.	2.7	4
10	Nitrate Management Discourses in Poland and Denmark – Laggards or Leaders in Water Quality Protection?. <i>Water (Switzerland)</i> , 2020, 12, 2371.	2.7	13
11	Lag Time as an Indicator of the Link between Agricultural Pressure and Drinking Water Quality State. <i>Water (Switzerland)</i> , 2020, 12, 2385.	2.7	16
12	A framework for nitrogen futures in the shared socioeconomic pathways. <i>Global Environmental Change</i> , 2020, 61, 102029.	7.8	30
13	Nitrogen Surplus – A Unified Indicator for Water Pollution in Europe?. <i>Water (Switzerland)</i> , 2020, 12, 1197.	2.7	32
14	DNMARK: Danish Nitrogen Mitigation Assessment: Research and Know-how for a Sustainable, Low-Nitrogen Food Production. , 2020, , 363-376.		1
15	Targeted set-aside: Benefits from reduced nitrogen loading in Danish aquatic environments. <i>Journal of Environmental Management</i> , 2019, 247, 633-643.	7.8	3
16	Obligatory inclusion of uncertainty avoids systematic underestimation of Danish pork water use and incentivizes provision of specific inventory data. <i>Journal of Cleaner Production</i> , 2019, 233, 1355-1365.	9.3	5
17	Environmental performance of end-of-life handling alternatives for paper-and-pulp-mill sludge: Using digestate as a source of energy or for biochar production. <i>Energy</i> , 2019, 182, 594-605.	8.8	53
18	Targeted grassland production – A Danish case study on multiple benefits from converting cereal to grasslands for green biorefinery. <i>Journal of Cleaner Production</i> , 2019, 223, 917-927.	9.3	9

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19	Using spatial multi-criteria decision analysis to develop new and sustainable directions for the future use of agricultural land in Denmark. <i>Ecological Indicators</i> , 2019, 103, 34-42.	6.3	15
20	Abating N in Nordic agriculture - Policy, measures and way forward. <i>Journal of Environmental Management</i> , 2019, 236, 674-686.	7.8	27
21	Environmental analysis of producing biochar and energy recovery from pulp and paper mill biosludge. <i>Journal of Industrial Ecology</i> , 2019, 23, 1039-1051.	5.5	34
22	Spatially differentiated strategies for reducing nitrate loads from agriculture in two Danish catchments. <i>Journal of Environmental Management</i> , 2018, 208, 77-91.	7.8	22
23	Can farmers mitigate environmental impacts through combined production of food, fuel and feed? A consequential life cycle assessment of integrated mixed crop-livestock system with a green biorefinery. <i>Science of the Total Environment</i> , 2018, 619-620, 127-143.	8.0	38
24	Site-specific modulators control how geophysical and socio-technical drivers shape land use and land cover. <i>Geo: Geography and Environment</i> , 2018, 5, e00060.	0.8	1
25	A comparison of disaggregated nitrogen budgets for Danish agriculture using Europe-wide and national approaches. <i>Science of the Total Environment</i> , 2018, 643, 890-901.	8.0	9
26	Potential benefits of farm scale measures versus landscape measures for reducing nitrate loads in a Danish catchment. <i>Science of the Total Environment</i> , 2018, 637-638, 318-335.	8.0	22
27	Impacts of climate change adaptation options on soil functions: A review of European case studies. <i>Land Degradation and Development</i> , 2018, 29, 2378-2389.	3.9	74
28	A multi-criteria, ecosystem-service value method used to assess catchment suitability for potential wetland reconstruction in Denmark. <i>Ecological Indicators</i> , 2017, 77, 151-165.	6.3	33
29	Environmental life cycle assessment of producing willow, alfalfa and straw from spring barley as feedstocks for bioenergy or biorefinery systems. <i>Science of the Total Environment</i> , 2017, 586, 226-240.	8.0	52
30	Environmental impacts of producing bioethanol and biobased lactic acid from standalone and integrated biorefineries using a consequential and an attributional life cycle assessment approach. <i>Science of the Total Environment</i> , 2017, 598, 497-512.	8.0	63
31	Environmental life cycle assessments of producing maize, grass-clover, ryegrass and winter wheat straw for biorefinery. <i>Journal of Cleaner Production</i> , 2017, 142, 3859-3871.	9.3	46
32	Where to implement local biotech innovations? A framework for multi-scale socio-economic and environmental impact assessment of Green Bio-Refineries. <i>Land Use Policy</i> , 2017, 68, 141-151.	5.6	16
33	Groundwater nitrate response to sustainable nitrogen management. <i>Scientific Reports</i> , 2017, 7, 8566.	3.3	152
34	Nitrogen footprints: Regional realities and options to reduce nitrogen loss to the environment. <i>Ambio</i> , 2017, 46, 129-142.	5.5	102
35	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.	5.2	15
36	Stakeholder Engagement and Knowledge Co-Creation in Water Planning: Can Public Participation Increase Cost-Effectiveness?. <i>Water (Switzerland)</i> , 2017, 9, 191.	2.7	44

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37	Nordic nitrogen and agriculture. TemaNord, 2017, , .	1.3	0
38	Evaluating public participation in Denmark's water councils. Outlook on Agriculture, 2016, 45, 225-230.	3.4	20
39	Modeling European ruminant production systems: Facing the challenges of climate change. Agricultural Systems, 2016, 147, 24-37.	6.1	40
40	Why Danish pig farms have far more land and pigs than Dutch farms? Implications for feed supply, manure recycling and production costs. Agricultural Systems, 2016, 144, 122-132.	6.1	40
41	Review of scenario analyses to reduce agricultural nitrogen and phosphorus loading to the aquatic environment. Science of the Total Environment, 2016, 573, 608-626.	8.0	73
42	A review of methods, data, and models to assess changes in the value of ecosystem services from land degradation and restoration. Ecological Modelling, 2016, 319, 190-207.	2.5	247
43	Multi-criteria assessment of yellow, green, and woody biomasses: pre-screening of potential biomasses as feedstocks for biorefineries. Biofuels, Bioproducts and Biorefining, 2015, 9, 545-566.	3.7	32
44	Can fuzzy cognitive mapping help in agricultural policy design and communication?. Land Use Policy, 2015, 45, 64-75.	5.6	51
45	Environmental performance of Miscanthus as a fuel alternative for district heat production. Biomass and Bioenergy, 2015, 72, 104-116.	5.7	15
46	Biorefining in the prevailing energy and materials crisis: a review of sustainable pathways for biorefinery value chains and sustainability assessment methodologies. Renewable and Sustainable Energy Reviews, 2015, 43, 244-263.	16.4	209
47	Joint Life Cycle Assessment and Data Envelopment Analysis for the benchmarking of environmental impacts in rice paddy production. Journal of Cleaner Production, 2015, 106, 521-532.	9.3	118
48	Energy input for tomato production what economy says, and what is good for the environment. Journal of Cleaner Production, 2015, 89, 99-109.	9.3	40
49	Does cadastral division of area-based ecosystem services obstruct comprehensive management?. Ecological Modelling, 2015, 295, 176-187.	2.5	11
50	A nitrogen budget for Denmark; developments between 1990 and 2010, and prospects for the future. Environmental Research Letters, 2014, 9, 115012.	5.2	18
51	Biogas in organic agriculture's effects on productivity, energy self-sufficiency and greenhouse gas emissions. Renewable Agriculture and Food Systems, 2014, 29, 28-41.	1.8	17
52	Policies for agricultural nitrogen management's trends, challenges and prospects for improved efficiency in Denmark. Environmental Research Letters, 2014, 9, 115002.	5.2	184
53	Bundling ecosystem services in Denmark: Trade-offs and synergies in a cultural landscape. Landscape and Urban Planning, 2014, 125, 89-104.	7.5	333
54	Human-driven topographic effects on the distribution of forest in a flat, lowland agricultural region. Journal of Chinese Geography, 2014, 24, 76-92.	3.9	30

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55	Life Cycle Assessment of district heat production in a straw fired CHP plant. <i>Biomass and Bioenergy</i> , 2014, 68, 115-134.	5.7	44
56	Energy consumption projection of Nepal: An econometric approach. <i>Renewable Energy</i> , 2014, 63, 432-444.	8.9	41
57	Potential greenhouse gas emission reductions in soybean farming: a combined use of Life Cycle Assessment and Data Envelopment Analysis. <i>Journal of Cleaner Production</i> , 2013, 54, 89-100.	9.3	147
58	Topographically controlled soil moisture is the primary driver of local vegetation patterns across a lowland region. <i>Ecosphere</i> , 2013, 4, 1-26.	2.2	94
59	The relative importance of geophysical constraints, amenity values, and farm-related factors in the dynamics of grassland set-aside. <i>Agriculture, Ecosystems and Environment</i> , 2013, 164, 286-291.	5.3	6
60	Topography as a driver of local terrestrial vascular plant diversity patterns. <i>Nordic Journal of Botany</i> , 2013, 31, 129-144.	0.5	175
61	Topographically controlled soil moisture drives plant diversity patterns within grasslands. <i>Biodiversity and Conservation</i> , 2013, 22, 2151-2166.	2.6	124
62	Methodological Difficulties of Conducting Agroecological Studies from a Statistical Perspective. <i>Agroecology and Sustainable Food Systems</i> , 2013, 37, 485-506.	1.9	4
63	An indicator-based method for quantifying farm multifunctionality. <i>Ecological Indicators</i> , 2013, 25, 166-179.	6.3	58
64	Buffers for biomass production in temperate European agriculture: A review and synthesis on function, ecosystem services and implementation. <i>Biomass and Bioenergy</i> , 2013, 55, 53-67.	5.7	88
65	Remote sensing of LAI, chlorophyll and leaf nitrogen pools of crop- and grasslands in five European landscapes. <i>Biogeosciences</i> , 2013, 10, 6279-6307.	3.3	40
66	A framework for a European network for a systematic environmental impact assessment of genetically modified organisms (GMO). <i>BioRisk</i> , 2012, 7, 73-97.	0.2	9
67	Spatial distribution of soils determines export of nitrogen and dissolved organic carbon from an intensively managed agricultural landscape. <i>Biogeosciences</i> , 2012, 9, 4513-4525.	3.3	25
68	A model for simulating the timelines of field operations at a European scale for use in complex dynamic models. <i>Biogeosciences</i> , 2012, 9, 4487-4496.	3.3	22
69	Farm nitrogen balances in six European landscapes as an indicator for nitrogen losses and basis for improved management. <i>Biogeosciences</i> , 2012, 9, 5303-5321.	3.3	46
70	Management, regulation and environmental impacts of nitrogen fertilization in northwestern Europe under the Nitrates Directive; a benchmark study. <i>Biogeosciences</i> , 2012, 9, 5143-5160.	3.3	162
71	Regional analysis of groundwater nitrate concentrations and trends in Denmark in regard to agricultural influence. <i>Biogeosciences</i> , 2012, 9, 3277-3286.	3.3	54
72	Spatial and temporal variability of nitrous oxide emissions in a mixed farming landscape of Denmark. <i>Biogeosciences</i> , 2012, 9, 2989-3002.	3.3	20

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73	Response to Comment on "Trend Reversal of Nitrate in Danish Groundwater" A Reflection of Agricultural Practices and Nitrogen Surpluses since 1950. Environmental Science & Technology, 2011, 45, 4189-4189.	10.0	0
74	Trend Reversal of Nitrate in Danish Groundwater - a Reflection of Agricultural Practices and Nitrogen Surpluses since 1950. Environmental Science & Technology, 2011, 45, 228-234.	10.0	102
75	Regional impacts of abolishing direct payments: An integrated analysis in four European regions. Agricultural Systems, 2011, 104, 110-121.	6.1	35
76	Modelling the interactions between regional farming structure, nitrogen losses and environmental regulation. Agricultural Systems, 2011, 104, 281-291.	6.1	49
77	Climatic and non-climatic drivers of spatiotemporal maize-area dynamics across the northern limit for maize production. A case study from Denmark. Agriculture, Ecosystems and Environment, 2011, 142, 291-302.	5.3	39
78	Monitoring strategies and scale-appropriate hydrologic and biogeochemical modelling for natural resource management: Conclusions and recommendations from a session held at the iEMSs 2008. Environmental Modelling and Software, 2011, 26, 538-542.	4.5	19
79	Using visual erosion features to validate the application of water erosion models in Mediterranean karst environments: the case study of Lebanon. Zeitschrift für Geomorphologie, 2010, 54, 27-49.	0.8	4
80	Spatial soil zinc content distribution from terrain parameters: A GIS-based decision-tree model in Lebanon. Environmental Pollution, 2010, 158, 520-528.	7.5	61
81	Scaling from Farm to Landscape. , 2009, , 175-189.		2
82	Analysing Exemplary Policy Issues Using the MEA-Scope Framework. , 2009, , 191-205.		1
83	Implementing the Indicators of the MEA-Scope Multifunctionality Impact Assessment Approach: A Gap Between Supply and Demand of NCOs?. , 2009, , 207-219.		0
84	Validation of an Agent-Based, Spatio-Temporal Model for Farming in the River Gudenå Landscape. Results from the MEA-Scope Case Study in Denmark. , 2009, , 239-254.		1
85	The MEA-Scope Modelling Approach. , 2009, , 101-121.		1
86	Effects of policy measures implemented in Denmark on nitrogen pollution of the aquatic environment. Environmental Science and Policy, 2008, 11, 144-152.	4.9	197
87	Energy self-reliance, net-energy production and GHG emissions in Danish organic cash crop farms. Renewable Agriculture and Food Systems, 2008, 23, 30-37.	1.8	29
88	Multifunctional farming, multifunctional landscapes and rural development. , 2007, , 183-193.		5
89	Multifunctional agriculture and multifunctional landscapes " land use as an interface. , 2007, , 93-104.		22
90	Methodological issues of modelling farm and landscape scale indicators for sustainable land systems. Geografisk Tidsskrift, 2006, 106, 35-43.	0.6	8

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91	Introduction: Features of environmental sustainability in agriculture: some conceptual and operational issues. <i>International Journal of Agricultural Resources, Governance and Ecology</i> , 2006, 5, 107.	0.0	12
92	Looking at Biofuels and Bioenergy. <i>Science</i> , 2006, 312, 1743b-1744b.	12.6	54
93	Biomass energy in organic farming – the potential role of short rotation coppice. <i>Biomass and Bioenergy</i> , 2005, 28, 237-248.	5.7	60
94	Agroecology, scaling and interdisciplinarity. <i>Agriculture, Ecosystems and Environment</i> , 2003, 100, 39-51.	5.3	252
95	Potential N-losses in three scenarios for conversion to organic farming in a local area of Denmark. <i>European Journal of Agronomy</i> , 2002, 16, 207-217.	4.1	28
96	Cross-achievements between policies for drinking water protection. <i>Journal of Environmental Management</i> , 2002, 64, 77-83.	7.8	8
97	Can Organic Farming Help to Reduce National Energy Consumption and Emissions of Greenhouse Gasses in Denmark?. , 2002, , 191-204.		5
98	N-Losses and Energy Use in a Scenario for Conversion to Organic Farming. <i>Scientific World Journal</i> , The, 2001, 1, 822-829.	2.1	2
99	A model for fossil energy use in Danish agriculture used to compare organic and conventional farming. <i>Agriculture, Ecosystems and Environment</i> , 2001, 87, 51-65.	5.3	347
100	Can organic farming help to reduce N-losses?. <i>Nutrient Cycling in Agroecosystems</i> , 1998, 52, 277-287.	2.2	58
101	Nitrogen flows and fate in rural landscapes. , 0, , 229-248.		10
102	Social capital factors affecting uptake of sustainable soil management practices: a literature review. <i>Emerald Open Research</i> , 0, 2, 8.	0.0	16
103	Social capital factors affecting uptake of sustainable soil management practices: a literature review. <i>Emerald Open Research</i> , 0, 2, 8.	0.0	6