Anders Damgaard - DTU Orbit (16/04/2018)

Damgaard, Anders
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Department of Environmental Engineering - Senior Researcher
Residual Resource Engineering

Publications:

Bioethanol from corn stover – a review and technical assessment of alternative biotechnologies
Publication: Research - peer-review › Review – Annual report year: 2018

Waste management in the Irkutsk region, Siberia, Russia: An environmental assessment of alternative development scenarios
Publication: Research - peer-review › Journal article – Annual report year: 2018

Challenges to a circular economy – the presence of impurities in wood waste for recycling
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Domain Specific Language for Modeling Waste Management Systems
Publication: Research › Ph.D. thesis – Annual report year: 2017

Environmental assessment of presence of impurity materials and chemical pollutants in wood waste meant for recycling
Faraca, G., Boldrin, A., Damgaard, A. & Astrup, T. F. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Environmental impacts and resource losses of incinerating misplaced household special wastes (WEEE, batteries, ink cartridges and cables)
Publication: Research - peer-review › Journal article – Annual report year: 2017

Environmental performance of household waste management in Europe - an example of 7 countries
Andreasi Bassi, S., Christensen, T. H. & Damgaard, A. 2017 In : Waste Management. 69, p. 545-557
Publication: Research - peer-review › Journal article – Annual report year: 2017

Evaluation of Externality Costs in Life-Cycle Optimization of Municipal Solid Waste Management Systems
Publication: Research - peer-review › Journal article – Annual report year: 2017

Importance of waste composition for Life Cycle Assessment of waste management solutions
Bisinella, V., Gölze, R., Conradsen, K., Damgaard, A., Christensen, T. H. & Astrup, T. F. 2017 In : Journal of Cleaner Production. 164, p. 1180-1191
Publication: Research - peer-review › Journal article – Annual report year: 2017

Linking Data Choices and Context Specificity in Life Cycle Assessment of Waste Treatment Technologies: A Landfill Case Study
What type of shopping bag to use? Perspectives on the functionality and recycling of polymers
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Influence of data choices in Life Cycle Assessment of waste management systems
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Life cycle assessment as development and decision support tool for wastewater resource recovery technology
Publication: Research - peer-review › Journal article – Annual report year: 2016

Life cycle assessment modelling considering impurities in recyclable materials
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Livscyklusscreening af affaldsforebyggelse: Emballageaffald og bygge- og anlægsaffald
Publication: Commissioned › Report – Annual report year: 2016

Quality of textile waste: a case study of residual household waste from Odense Municipality, Denmark
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Range of technology choices in life cycle assessment of environmental treatment technologies: An example of a solid waste landfill model
Henriksen, T., Astrup, T. F. & Damgaard, A. 2016
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

State-of-the-Art Solid Waste Management Life-Cycle Modeling Workshop
Damgaard, A. & Levis, J. W. 2016
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

The Efficiency of Informality: Quantifying Greenhouse Gas Reductions from Informal Recycling in Bogotá, Colombia
Vergara, S. E., Damgaard, A. & Gomez, D. 2016 In : Journal of Industrial Ecology. 20, 1, p. 107-119
Publication: Research - peer-review › Journal article – Annual report year: 2015

The link between data choices and reality in life cycle assessment modelling of waste management technologies
Henriksen, T., Astrup, T. F. & Damgaard, A. 2016
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Analysis of material recovery facilities for use in life-cycle assessment
Publication: Research - peer-review › Journal article – Annual report year: 2015

Assessment of co-composting of sludge and woodchips in the perspective of environmental impacts (EASETECH)
Publication: Research - peer-review › Journal article – Annual report year: 2015
Capabilities for modelling of conversion processes in LCA

Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Capabilities For Modelling Of Conversion Processes In Life Cycle Assessment
Damgaard, A., Zarrin, B., Tonini, D., Baumeister, H. & Astrup, T. F. 2015

Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2015

Challenges in plastics recycling

Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Climate Benefits of Material Recycling: Inventory of Average Greenhouse Gas Emissions for Denmark, Norway and Sweden

Publication: Research - peer-review › Report – Annual report year: 2015

Life Cycle Assessment as Decision Support Tool for Development of a Resource Recovery Technology
Fang, L. L., Valverde Perez, B., Damgaard, A., Plósz, B. G. & Rygaard, M. 2015

Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Life cycle assessment as decision support tool in early stage development of a new technology for wastewater resource recovery

Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Life cycle assessment modelling considering uncertainty – the more robust Recommendation

Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2015

Life cycle assessment modelling of new technologies considering uncertainty

Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Life cycle assessment of shredder residue management

Publication: Commissioned › Report – Annual report year: 2016

Life-cycle Models of Solid Waste Management: Defining the state-of-the-art for Collection, Material recovery, Combustion, biological Treatment, and Landfilling
Levis, J., Damgaard, A., Astrup, T. F., Christensen, T. H. & Barlaz, M. 2015

Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2015

Livscyklusvurdering af behandling af deponeret shredderaffald

Publication: Commissioned › Report – Annual report year: 2016

Quantification of regional leachate variance from municipal solid waste landfills in China

Publication: Research - peer-review › Journal article – Annual report year: 2015
Waste management in the Irkutsk Region, Siberia, Russia: Environmental assessment of current practice focusing on landfilling
Publication: Research - peer-review › Journal article – Annual report year: 2014

EASETECH - A Dedicated Waste Management LCA-Model
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2013

EASETECH Energy: Life Cycle Assessment of current and future Danish power systems
Turconi, R., Damgaard, A., Bisinella, V. & Astrup, T. F. 2013
Publication: Research - peer-review › Paper – Annual report year: 2013

Integrated resource management and recovery (IRMAR): a new danish initiative
Publication: Research - peer-review › Paper – Annual report year: 2013

LCA af genbrug af mursten
Publication: Commissioned › Report – Annual report year: 2014

Modelling sensitivity and uncertainty in a LCA model for waste management systems - EASETECH
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Modelling uncertainties in a LCA model for waste management systems - EASETECH
Damgaard, A., Clavreul, J. & Christensen, T. H. 2013
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2013

A new modeling framework for environmental assessment of waste and energy systems
Clavreul, J., Damgaard, A. & Christensen, T. H. 2012
Publication: Research - peer-review › Poster – Annual report year: 2013

Publication: Research - peer-review › Paper – Annual report year: 2012

Boundaries matter: Greenhouse gas emission reductions from alternative waste treatment strategies for California's municipal solid waste
Publication: Research - peer-review › Journal article – Annual report year: 2011

LCA and economic evaluation of landfill leachate and gas technologies
Publication: Research - peer-review › Journal article – Annual report year: 2011

Recycling of Glass
Publication: Research - peer-review › Book chapter – Annual report year: 2011
Recycling of Metals
Publication: Research - peer-review › Book chapter – Annual report year: 2011

Recycling of Paper and Cardboard
Publication: Research - peer-review › Book chapter – Annual report year: 2011

Implementation of life cycle assessment models in solid waste management
Publication: Research › Ph.D. thesis – Annual report year: 2011

Life-cycle-assessment of the historical development of air pollution control and energy recovery in waste incineration
Publication: Research - peer-review › Journal article – Annual report year: 2010

Models for waste life cycle assessment: Review of technical assumptions
Publication: Research - peer-review › Journal article – Annual report year: 2010

Life-cycle assessment of the municipal solid waste management system in Hangzhou, China (EASEWASTE)
Publication: Research - peer-review › Journal article – Annual report year: 2009

Recycling of metals: accounting of greenhouse gases and global warming contributions
Damgaard, A., Larsen, A. W. & Christensen, T. H. 2009 In : Waste Management and Research. 27, 8, p. 773-780
Publication: Research - peer-review › Journal article – Annual report year: 2009

Recycling of paper: Accounting of greenhouse gases and global warming contributions
Merrild, H. K., Damgaard, A. & Christensen, T. H. 2009 In : Waste Management and Research. 27, 8, p. 746-753
Publication: Research - peer-review › Journal article – Annual report year: 2009

Life cycle assessment of waste paper management: The importance of technology data and system boundaries in assessing recycling and incineration
Publication: Research - peer-review › Journal article – Annual report year: 2008

Experience with the use of LCA-modelling (EASEWASTE) in waste management
Publication: Research - peer-review › Journal article – Annual report year: 2007

Life-cycle assessment of waste incinerators - the significance of increasing air pollution control on the environmental impact
Publication: Research › Article in proceedings – Annual report year: 2007
Experiences on the use of LCA-modeling (EASEWASTE) in waste management
Publication: Research › Article in proceedings – Annual report year: 2006

Influence of conventional landfilling elements on environmental impact potentials assessed by an LCA-model (EASEWASTE)
Publication: Research › Conference abstract in proceedings – Annual report year: 2006

Projects:

Characterization and recycling of waste fractions from recycling centers
Faraca, G., Astrup, T. F., Boldrin, A. & Damgaard, A.
15/10/2015 → 14/10/2018
Project: PhD

Characterization of recyclable materials in household waste
Eriksen, M. K., Astrup, T. F., Boldrin, A. & Damgaard, A.
01/09/2015 → 08/01/2019
Project: PhD

Data quality in LCA of waste management: importance for result interpretation and result decision making
Henriksen, T., Damgaard, A. & Astrup, T. F.
01/04/2015 → 31/07/2018
Project: PhD

Miljøvurdering af indsamling, genanvendelse og bortskaffelse af tøj, og tekstilaffald
Nørup, N., Scheutz, C., Damgaard, A. & Pihl, K. A.
15/01/2015 → 17/02/2019
Project: PhD

Optimization of greenhouse gas mitigation af landfills
01/01/2015 → 15/04/2018
Project: PhD

Sustainable assessment of full chain bioenergy production
01/12/2012 → 05/04/2017
Project: PhD

LCA model for sewage sludge - an EASEWASTE extension
Yoshida, H., Scheutz, C., Christensen, T. H., Damgaard, A., Jönsson, H. & Hansen, T. L.
01/01/2011 → 19/12/2014
Project: PhD

Gad generation and emission at waste disposal sites receiving low organic waste
01/09/2010 → 01/12/2014
Project: PhD
Implementation of LCA-models in Waste Management
Damgaard, A., Christensen, T. H., Kjeldsen, P., Grosso, M. & Kirkeby, J. S.
01/03/2006 → 23/06/2010
Project: PhD

Activities:

8th Conference of the International Society for Industrial Ecology
Damgaard, A. (Participant)
7 Jul 2015 → 10 Jul 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

8th Intercontinental Landfill Research Symposium
Damgaard, A. (Participant)
19 Oct 2014 → 22 Oct 2014
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.