Column leaching from a Danish forest soil amended with wood ashes: fate of major and trace elements
Publication: Research - peer-review › Journal article – Annual report year: 2018

Compositional analysis of seasonal variation in Danish residual household waste
Publication: Research - peer-review › Journal article – Annual report year: 2018

Dynamics of bisphenol A (BPA) and bisphenol S (BPS) in the European paper cycle: Need for concern?
Publication: Research - peer-review › Journal article – Annual report year: 2018

Environmental impacts of food waste: Learnings and challenges from a case study on UK
Publication: Research - peer-review › Journal article – Annual report year: 2018

Long-term leaching of nutrients and contaminants from wood combustion ashes
Publication: Research - peer-review › Journal article – Annual report year: 2018

An MFA-based optimization model for increased resource efficiency: Phosphorus flows in Denmark
Publication: Research - peer-review › Journal article – Annual report year: 2017

Challenge of material recycling at large public events
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

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

Characterisation of wood combustion ashes
Publication: Research › Ph.D. thesis – Annual report year: 2017

Characterization of waste from nanoeenabled products: Occurrence, distribution, fate and nanoparticle release
Publication: Research › Ph.D. thesis – Annual report year: 2017
Compositional data analysis of household waste recycling centres in Denmark
Publication: Research - peer-review › Poster – 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 Multiobjective Optimization of the Use of Biomass Resources for Energy
Vadenbo, C., Tonini, D. & Astrup, T. F. 2017 In : Environmental Science and Technology. p. 3575–3583
Publication: Research - peer-review › Journal article – Annual report year: 2017

Erratum to: A global approach for sparse representation of uncertainty in Life Cycle Assessments of waste management systems
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

Evaluering af effekten af tiltag rettet mod bedre sortering på genbrugspladser: Projektet støttet af kommunepuljen under Miljøstyrelsen
Publication: Commissioned › Report – Annual report year: 2018

Food waste prevention in Denmark: Identification of hotspots and potentials with Life Cycle Assessment
Publication: Commissioned › Report – Annual report year: 2017

Future scenario development within life cycle assessment of waste management systems
Publication: Research › Ph.D. thesis – 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

Let's Be Clear(er) about Substitution A Reporting Framework to Account for Product Displacement in Life Cycle Assessment: A Framework to Account for Substitution in LCA
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
Publication: Research - peer-review › Journal article – Annual report year: 2017
Quantification of chemical contaminants in the paper and board fractions of municipal solid waste
Publication: Research - peer-review › Journal article – 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

Recycling of plastic waste: Presence of phthalates in plastics from households and industry
Publication: Research - peer-review › Journal article – Annual report year: 2016

Semi-quantitative analysis of solid waste flows from nano-enabled consumer products in Europe, Denmark and the United Kingdom - Abundance, distribution and management
Publication: Research - peer-review › Journal article – Annual report year: 2016

Size fractionation of waste-to-energy boiler ash enables separation of a coarse fraction with low dioxin concentrations
Publication: Research - peer-review › Journal article – Annual report year: 2016

The challenge of chemicals in material lifecycles
Publication: Research - peer-review › Editorial – Annual report year: 2016

The Effect of Data Structure and Model Choices on MFA Results: A Comparison of Phosphorus Balances for Denmark and Austria
Publication: Research - peer-review › Journal article – Annual report year: 2016

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

Waste material recycling: Assessment of contaminants limiting recycling
Publication: Research › Ph.D. thesis – Annual report year: 2016

Applying Fuzzy and Probabilistic Uncertainty Concepts to the Material Flow Analysis of Palladium in Austria
Publication: Research - peer-review › Journal article – Annual report year: 2015

Bisphenol A and its structural analogues in household waste paper
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
GHG emission factors of biofuels: A case study for Denmark
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

GHG sustainability compliance of rapeseed-based biofuels produced in a Danish multi-output biorefinery system
Publication: Research - peer-review › Journal article – Annual report year: 2015

Life cycle assessment and residue leaching: The importance of parameter, scenario and leaching data selection
Publication: Research - peer-review › Journal article – 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 construction and demolition waste management
Publication: Research - peer-review › Journal article – Annual report year: 2016

Life cycle assessment of resource recovery from municipal solid waste incineration bottom ash
Publication: Research - peer-review › Journal article – Annual report year: 2015

Life cycle assessment of shredder residue management
Publication: Commissioned › Report – Annual report year: 2016

Life cycle assessment of thermal Waste-to-Energy technologies: Review and recommendations
Publication: Research - peer-review › Journal article – Annual report year: 2015

Life Cycle Costing for Solid Waste Management Systems in EASETECH
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Life cycle costing of waste management systems: Overview, calculation principles and case studies
Publication: Research - peer-review › Journal article – Annual report year: 2014

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

Municipal solid waste composition: Sampling methodology, statistical analyses, and case study evaluation
Publication: Research - peer-review › Journal article – Annual report year: 2015

Occurrence and temporal variation of danish household food waste
Edjabou, V. M. E., Petersen, C., Scheutz, C. & Astrup, T. F. 2015
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2015

Phosphorus in Denmark: national and regional anthropogenic flows
Publication: Research - peer-review › Journal article – Annual report year: 2015

Preparing the ground for an operational handling of long-term emissions in LCA
Publication: Research - peer-review › Journal article – Annual report year: 2016

Quantifying uncertainty in sustainability assessments: from feedstock to end-of-life
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Recent LCA Developments In Waste Management
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Resource recovery from residual household waste: An application of exergy flow analysis and exergetic life cycle assessment
Publication: Research - peer-review › Journal article – Annual report year: 2015

Role of data quality in assessment of the sustainability of technologies
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Seasonal variation of household food waste in Denmark
Edjabou, V. M. E., Petersen, C., Scheutz, C. & Astrup, T. F. 2015
Publication: Research - peer-review › Paper – Annual report year: 2015

Soil retention of hexavalent chromium released from construction and demolition waste in a road-base-application scenario
Publication: Research - peer-review › Journal article – Annual report year: 2015
Life Cycle Assessment of Electricity Systems
Publication: Research › Ph.D. thesis – Annual report year: 2014

Life cycle assessment of the Danish electricity distribution network
Publication: Research - peer-review › Journal article – Annual report year: 2013

Life Cycle Costing Model for Solid Waste Management
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2014

Long-term sampling of CO2 from waste-to-energy plants: 14C determination methodology, data variation and uncertainty
Publication: Research - peer-review › Journal article – Annual report year: 2014

Mapping ENM from consumer products in solid waste flows in Denmark
Heggelund, L. R., Boldrin, A., Hansen, S. F. & Astrup, T. F. 2014
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2014

Material recycling: Presence of chemicals and their influence on the circular economy concept
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2014

Optimal acid digestion for multi-element analysis of different waste matrices
Götze, R. & Astrup, T. F. 2014
Publication: Research - peer-review › Paper – Annual report year: 2014

Phosphorus in Denmark: national and regional anthropogenic flows
Klinglmair, M., Scheutz, C. & Astrup, T. F. 2014
Publication: Research - peer-review › Poster – Annual report year: 2014

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Pivnenko, K., Eriksson, E. & Astrup, T. F. 2014
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2014

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Systematic Evaluation of Uncertainty in Material Flow Analysis
Publication: Research - peer-review › Journal article – Annual report year: 2015

Towards a more robust fate modeling of metals' long-term emissions in an LCIA context
Publication: Research - peer-review › Poster – Annual report year: 2014

Assessment of resource recovery within LCA: Innovative assessment of resource potentials in waste
Rørbech, J. T., Laner, D. & Astrup, T. F. 2013
Publication: Research - peer-review › Poster – Annual report year: 2013

Biogenic carbon in combustible waste: Waste composition, variability and measurement uncertainty
Publication: Research - peer-review › Journal article – Annual report year: 2013

Carbon footprint of the Danish electricity transmission and distribution systems
Turconi, R. & Astrup, T. F. 2013
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2013

Challenges in LCA-based decision making involving heavy metals long-term emissions from landfills
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2013

Characterisation of plastic packaging waste for recycling: problems related to current approaches
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Characterization of household food waste in Denmark
Edjabou, V. M. E., Petersen, C., Scheutz, C. & Astrup, T. F. 2013
Publication: Research - peer-review › Paper – Annual report year: 2013

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

Energy and environmental analysis of a rapeseed biorefinery conversion process
Publication: Research - peer-review › Journal article – Annual report year: 2013

Environmental assessment of energy production from waste and biomass
Publication: Research › Ph.D. thesis – Annual report year: 2013

Exergy analysis of aluminum recovery from municipal solid waste incineration
Vyzinkarova, D., Allegrini, E., Laner, D. & Astrup, T. F. 2013
Publication: Research - peer-review › Paper – Annual report year: 2013
Exergy losses of resource recovery from a waste-to-energy plant
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Influence of ammonia on leaching behaviors of incineration fly ash and its geochemical modeling
Publication: Research - peer-review › Journal article – Annual report year: 2014

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

Life cycle assessment (LCA) of electricity generation technologies: Overview, comparability and limitations
Turconi, R., Boldrin, A. & Astrup, T. F. 2013 In : Renewable and Sustainable Energy Reviews. 28, p. 555-565
Publication: Research - peer-review › Journal article – Annual report year: 2013

Life Cycle Assessment of a brown seaweed-based third-generation biorefinery process
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Life cycle assessment of biofuel production from brown seaweed in Nordic conditions
Publication: Research - peer-review › Journal article – Annual report year: 2013

Life Cycle Assessment Of Danish Concrete Waste Recycled In Road Base Applications
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Material resources, energy, and nutrient recovery from waste: are waste refineries the solution for the future?
Publication: Research - peer-review › Journal article – Annual report year: 2013

Mechanical–biological treatment: Performance and potentials. An LCA of 8 MBT plants including waste characterization
Montejo, C., Tonini, D., Márquez, M. D. C. & Astrup, T. F. 2013 In : Journal of Environmental Management. 128, p. 661-673
Publication: Research - peer-review › Journal article – Annual report year: 2013

Metal recovery from municipal solid waste incineration bottom ash (MSWIBA): state of the art, potential and environmental benefits
Allegrini, E., Holtze, M. S. & Astrup, T. F. 2013
Publication: Research - peer-review › Paper – Annual report year: 2013

Phosphorus, agriculture & organic waste: a Danish P balance
Klinglmair, M., Scheutz, C. & Astrup, T. F. 2013
Publication: Research - peer-review › Poster – Annual report year: 2013
Phosphorus, agriculture & organic waste: a Danish P balance
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2013

Presence of potentially critical substances in waste paper
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Pyrolysis and gasification of meat-and-bone-meal: Energy balance and GHG accounting
Publication: Research - peer-review › Journal article – Annual report year: 2013

Stability and leaching of cobalt smelter fly ash
Publication: Research - peer-review › Journal article – Annual report year: 2013

Assessment of leaching from Construction & Demolition Waste concrete
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Bioenergy production from perennial energy crops: A consequential LCA of 12 bioenergy scenarios including land use changes
Publication: Research - peer-review › Journal article – Annual report year: 2012

Biomass waste – the way ahead
Publication: Research › Editorial – Annual report year: 2012

Det intelligente energisystem
Publication: Communication › Book chapter – Annual report year: 2012

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

Tonini, D. & Astrup, T. 2012 In : Waste Management. 32, 5, p. 1054
Publication: Research - peer-review › Journal article – Annual report year: 2012

Global warming potential impact of bioenergy systems
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2012
LCA of biomass-based energy systems: a case study for Denmark
Publication: Research - peer-review › Journal article – Annual report year: 2012

Leaching of heavy metals from construction & demolition waste
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Life-cycle assessment of a waste refinery process for enzymatic treatment of municipal solid waste
Tonini, D. & Astrup, T. 2012 In : Waste Management. 32, 1, p. 165-176
Publication: Research - peer-review › Journal article – Annual report year: 2012

Life Cycle Assessment of electricity generation: overview and methodological issues
Turconi, R., Boldrin, A. & Astrup, T. F. 2012
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2012

MSWI Boiler Ashes: Production and Quality Through the Horizontal Section of a Boiler
Allegrini, E., Boldrin, A. & Astrup, T. F. 2012
Publication: Research - peer-review › Paper – Annual report year: 2012

Carbon in solid waste: is it a problem?
Astrup, T. 2011 In : Waste Management and Research. 29, 5, p. 453-454
Publication: Research - peer-review › Journal article – Annual report year: 2011

CO2 emission factors for waste incineration: Influence from source separation of recyclable materials
Publication: Research - peer-review › Journal article – Annual report year: 2011

Coherent Energy and Environmental System Analysis
Publication: Research › Report – Annual report year: 2012

Environmental performance of an innovative waste refinery based on enzymatic treatment
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Incinerator performance: effects of changes in waste input and furnace operation on air emissions and residues
Astrup, T., Riber, C. & Pedersen, A. J. 2011 In : Waste Management and Research. 29, 10 suppl., p. 57-68
Publication: Research - peer-review › Journal article – Annual report year: 2011

LCA Comparison of waste incineration in Denmark and Italy
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Leaching From Biomass Gasification Residues
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011
**Leaching from waste incineration bottom ashes treated in a rotary kiln**
Publication: Research - peer-review › Journal article – Annual report year: 2011

**Leaching of metals from copper smelter flue dust (Mufulira, Zambian Copperbelt)**
Publication: Research - peer-review › Journal article – Annual report year: 2011

**Life cycle assessment of waste incineration in Denmark and Italy using two LCA models**
Publication: Research - peer-review › Journal article – Annual report year: 2011

**Materials And Carbon Flow In A Waste Refinery Process Using Enzymes**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

**Nanowaste: Business-As-Usual Or A New Challenge For The Waste Industry?**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

**Optimal utilization of waste-to-energy in an LCA perspective**
Fruergaard, T. & Astrup, T. 2011 In : Waste Management. 31, 3, p. 572-582
Publication: Research - peer-review › Journal article – Annual report year: 2011

**Pyrolysis and Gasification**
Publication: Research - peer-review › Book chapter – Annual report year: 2011

**Energy recovery from waste incineration: Assessing the importance of district heating networks**
Publication: Research - peer-review › Journal article – Annual report year: 2010

**Global Warming Potential Of A Waste Refinery Using Enzymatic Treatment**
Tonini, D. & Astrup, T. 2010 Proceedings. Italy: CISA, Environmental Sanitary Engineering Centre
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

**LCA Of The “Renescience” Concept: An Alternative To Incineration For The Treatment Of Residual Municipal Solid Waste**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

**Life-cycle assessment of selected management options for air pollution control residues from waste incineration**
Publication: Research - peer-review › Journal article – Annual report year: 2010

**Thermal waste treatment: air emissions and residue quality**
Publication: Research › Conference abstract in proceedings – Annual report year: 2010
Residues from waste incineration: Final report PSO-5784
Publication: Research › Report – Annual report year: 2009

Leaching from municipal solid waste incineration residues
Publication: Research › Ph.D. thesis – Annual report year: 2008

A Full-Scale Study on the Partitioning of Trace Elements in Municipal Solid Waste Incineration – Effects of Firing Different Waste Types
Publication: Research - peer-review › Article in proceedings – Annual report year: 2008

Consequences of energy demand for the environmental performance of waste incinerators
Publication: Research › Article in proceedings – Annual report year: 2008

Effect of drying on leaching testing of treated municipal solid waste incineration APC-residues
Publication: Research - peer-review › Journal article – Annual report year: 2008

Full scale test incineration of special waste fractions: Residue quality and environmental aspects
Publication: Research › Article in proceedings – Annual report year: 2008

Low-temperature mechanical pyrolysis on MSW: LCIA-modeling and comparison with incineration
Publication: Research - peer-review › Article in proceedings – Annual report year: 2008

Management of APC residues from W-t-E plants. An overview of management options and treatment methods
Publication: Research › Report – Annual report year: 2008

Miljøvurdering af affaldsforbrænding og alternativer
Publication: Research › Report – Annual report year: 2008

Partitioning of Trace Elements in a WtE boiler; The Influence of Different Waste Types
Publication: Research - peer-review › Article in proceedings – Annual report year: 2008

Combustion aerosols from municipal waste incineration - Effect of fuel feedstock and plant operation
Publication: Research - peer-review › Journal article – Annual report year: 2007
Removal of readily soluble compounds prior to pH-static leaching experiments: effect of leaching predictions

Treatment and utilization of MSWI bottom ashes in Denmark

Treatment and utilization of MSWI fly ashes: trends and outlook

Chromium release from waste incineration air-pollution-control residues

Predicting Cr leaching from MSWI residues

Waste incineration bottom ashes in Denmark: Status and development needs by 2003

Characterization of leaching from waste incineration air-pollution-control residues

Genanvendelse af forbrændingsslagger
Astrup, T. & Christensen, T. H. 2004 In : Stads- og Havneingenioren. 95, 6/7, p. 50-52

Towards an improved understanding of the leaching behavior of MSWI residues - Report on the 2nd meeting of the IWWG pHOENIX working group on "Management of Municipal Solid Waste Incineration Residues"

Assessment of long-term leaching of Pb, Cd and Cr from air-pollution-control residues
Estimating long-term leaching of heavy metals from MSWI APC residues
Publication: Research › Article in proceedings – Annual report year: 2003

Factors affecting chromium leaching from waste incineration residues
Publication: Research › Article in proceedings – Annual report year: 2003

Management of APC residues from WTE plants. An overview of important management options
Publication: Research › Report – Annual report year: 2003

Management of municipal solid waste incineration residues
Publication: Research › peer-review › Journal article – Annual report year: 2003

Redox properties of Cr under alkaline conditions and their effect on Cr leaching control from waste incineration ashes
Publication: Research › Article in proceedings – Annual report year: 2003

Slagge fra affaldsforbrænding. Status og udviklingsmuligheder 2003
Publication: Research › Report – Annual report year: 2003

Copper and zinc distribution coefficients for sandy aquifer materials
Publication: Research - peer-review › Journal article – Annual report year: 2000

Immobilization of chromate from coal fly ash leachate using an attenuating barrier containing zero-valent iron
Astrup, T., Stipp, S. L. S. & Christensen, T. H. 2000 In : Environmental Science and Technology. 34, p. 4163-4168
Publication: Research - peer-review › Journal article – Annual report year: 2000

Engineered attenuation liners for landfills of coal combustion residues
Lead distribution and mobility in a soil embankment used as a lead bullet stop at a shooting range
Astrup, T., Boddum, J. K. & Christensen, T. H. 1999 In : Journal of Soil Contamination. 8, p. 653 - 665

Introduktion til affaldsteknologi. Kapitel 1.1

Restprodukter fra energiproduktion. Kapitel 7.9

Distributionskoefficienter for tungmetaller i sandede grundvandsmagasiner

Projects:

Sustainability Assessment of Residual Biomass Resource Management
Albizzati, P. F., Astrup, T. F. & Tonini, D.
01/12/2017 → 30/11/2020
Project: PhD

Circular Economy: Integrated sustainability assessment of resource recovery and cycling
Andreasi Bassi, S., Astrup, T. F. & Boldrin, A.
01/12/2016 → 10/04/2020
Project: PhD

Circular Economy: Life cycle assessment of chemicals in material cycles
Xanthopoulou, L., Astrup, T. F. & Baun, A.
01/12/2016 → 14/08/2020
Project: PhD

Life cycle assessment modelling of advanced (bio)energy technologies
Lodato, C., Astrup, T. F. & Tonini, D.
01/12/2016 → 30/11/2019
Project: PhD

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
Risikovurdering og kildeidentificering af stoffer i digestat fra REnescience
Astrup, T. F., Eriksson, E. & Pivnenko, K.
01/03/2014 → 31/12/2014
Project

Characterization and Management of Nanowaste
Heggelund, L. R., Boldrin, A., Astrup, T. F., Hansen, S. F., Kjeldsen, P., Ingerslev, F. & Mitrano, D. M.
15/01/2014 → 30/09/2017
Project: PhD

Characterization of Biomass Combustion Ashes
Maresca, A., Astrup, T. F., Kjeldsen, P., Polettini, A. & Steenari, B.
01/09/2013 → 05/12/2017
Project: PhD

Low Temperature Thermal Gasification of High-Alkali Bio Residues and Sludge
01/09/2013 → 26/04/2017
Project: PhD

Future Scenario Analysis in Solid Waste Management
Bisinella, V., Astrup, T. F., Christensen, T. H., Boldrin, A., Brandão, M. M. R. & Guyonnet, D.
01/07/2013 → 05/12/2017
Project: PhD

Resource quality indicators: Concept and methodology development
Rørbech, J. T. & Astrup, T. F.
01/12/2012 → 31/05/2014
Project: PhD

Composition of waste materials and recyclables
01/10/2012 → 21/04/2016
Project: PhD

Assessment of resource quality in waste management
Vyzímková, D., Astrup, T. F., Hellweg, S. & Rechberger, H.
01/09/2012 → 15/10/2013
Project: PhD

Composition of municipal solid waste in Denmark
01/09/2012 → 01/09/2016
Project: PhD

Quantification and critical analysis of resource flows in Denmark
01/09/2012 → 29/09/2016
Project: PhD

Waste material recycling: Assessment of contaminants limiting recycling
15/08/2012 → 01/09/2016
Project: PhD
Integrated environmental and economical assessment of waste management systems
Martinez Sanchez, V., Astrup, T. F., Rygaard, M., Eriksson, O. N. & Herczeg, M.
15/12/2011 → 22/03/2016
Project: PhD

Life cycle assessment of long-term emissions from landfills
15/12/2011 → 22/06/2015
Project: PhD

Resource Recovery from Waste Incineration Bottom Ashes
Allegrini, E., Astrup, T. F., Boldrin, A., Kjeldsen, P., Grosso, M. & Hjelmar, O.
01/09/2011 → 19/12/2014
Project: PhD

AFATEK
Astrup, T. F.
17/05/2011 → 31/12/2014
Project

Life cycle assessment of energy technologies and energy systems
Turconi, R., Astrup, T. F., Scheutz, C., Olsen, S. I. & Powers, S. E.
01/09/2010 → 04/06/2014
Project: PhD

Resource and environmental assessment of recycling of construction and demolition waste (C&D waste)
Butera, S., Astrup, T. F., Christensen, T. H., Kjeldsen, P., Birgisdottir, H. & Polettini, A.
01/09/2010 → 01/04/2015
Project: PhD

Innovation network for environmental Technology (Innovationsnetværk på miljøteknologi)
01/07/2010 → 01/07/2014
Project

CO2 opgørelse i affaldssektoren
Astrup, T. F. & Christensen, T. H.
01/06/2010 → 30/11/2010
Project

Life cycle assessment of emerging waste-to-energy technologies
01/05/2009 → 27/03/2013
Project: PhD

Biogenic Carbon in Danish Combustible Waste
Astrup, T. F. & Astrup, T. F.
01/04/2009 → 30/10/2011
Project

LCA-screening of 8 European waste management scenarios
Astrup, T. F., Christensen, T. H., Boldrin, A., Manfredi, S. & Møller, J.
15/11/2008 → 28/02/2009
Project
Implementation of Easewaste at VESTFORBRÆNDING as part of the environmental management system
Astrup, T. F., Christensen, T. H. & Møller, J.
01/04/2008 → 30/06/2010
Project

A flexible and integrated energy system based on gasification of liquefied biomass and waste
Astrup, T. F.
07/03/2007 → 07/03/2011
Project

Coherent Energy and Environmental System Analysis
Astrup, T. F.
01/01/2007 → 30/09/2011
Project

Life-cycle assessment of biorefineries and biofuel production based on biomass resources
Astrup, T. F. & Boldrin, A.
01/01/2007 → 31/12/2011
Project

Kortlægning af kilder til miljøskadelige stoffer i affaldet.
Christensen, T. H., Astrup, T. F. & Riber, C.
01/08/2006 → 31/01/2007
Project

Improved energy efficiency and bottom ash quality for waste incinerators
Astrup, T. F. & Hyks, J.
01/04/2006 → 30/06/2009
Project

Environmentally sustainable utilization of waste resources for energy production
Astrup, T. F. & Fruergaard, T.
01/01/2006 → 31/12/2008
Project

PSO-ELSAM. Undersøgelse af restprodukter (slagger og flyveaske/røggasaffald) fra affaldsforbrænding.
Riber, C. & Astrup, T. F.
09/12/2005 → 01/05/2009
Project

Christensen, T. H., Astrup, T. F. & Riber, C.
01/12/2005 → 30/11/2006
Project

Systematic leaching data for waste incineration bottom ashes
Astrup, T. F. & Hyks, J.
06/09/2005 → 30/09/2006
Project

TB2 Anvendelse af RGA i beton : indledende undersøgelser
Geiker, M. R., Kjeldsen, A. M., Christensen, T. H. & Astrup, T. F.
01/08/2005 → 31/03/2006
Project
Kvantificering af miljøeffekter fra RGA.
Astrup, T. F., Christensen, T. H. & Sloot, H. V. D.
01/10/2004 → 30/09/2007
Project

Prediction of Leaching from Waste Incineration Residues
01/10/2004 → 01/09/2008
Project: PhD

Udarbejdelse af statusnotat vedrørende forbrændingsslager.
Astrup, T. F.
30/08/2004 → 31/12/2004
Project

DTUs bidrag til koordinering og udredning.
Astrup, T. F., Christensen, T. H. & Röttger, U.
01/04/2004 → 31/03/2007
Project

Fugttekniske undersøgelser på dansk hørmåtte
Hansen, K. K., Astrup, T. F. & Jacobsen, U. G.
01/09/2003 → 01/02/2004
Project

Status om forbrændingsslager
Astrup, T. F.
01/02/2003 → 01/07/2003
Project

Kemisk stabilisering af røggasrensningsprodukter
Astrup, T. F., Christensen, T. H., Hjelmar, O., Kjeldsen, P., Johnson, C. A. & Stipp, S. L. S.
01/01/2000 → 14/05/2004
Project: PhD

Leaching of heavy metals from soils
01/01/1996 → 31/12/1998
Project

Leaching of heavy metals from soils.
01/01/1996 → 31/12/1998
Project