Ralph K. Rosenbaum - DTU Orbit (19/05/2018)
Ralph K. Rosenbaum

Publications:

Learning-by-doing: experience from 20 years of teaching LCA to future engineers
Publication: Research - peer-review › Journal article – Annual report year: 2018

Critical Review
Publication: Research - peer-review › Book chapter – Annual report year: 2017

Introduction to Part III: Application of LCA in Practice
Publication: Research - peer-review › Book chapter – Annual report year: 2018

LCA of Wastewater Treatment
Publication: Research - peer-review › Book chapter – Annual report year: 2018

Life Cycle Impact Assessment
Publication: Research - peer-review › Book chapter – Annual report year: 2017

Overview of Existing LCIA Methods—Annex to Chapter 10
Publication: Research - peer-review › Book chapter – Annual report year: 2018

Uncertainty Management and Sensitivity Analysis
Publication: Research - peer-review › Book chapter – Annual report year: 2017

Assessment of Metal Toxicity in Marine Ecosystems: Comparative Toxicity Potentials for Nine Cationic Metals in Coastal Seawater
Publication: Research - peer-review › Journal article – Annual report year: 2015

Contribution of waterborne nitrogen emissions to hypoxia-driven marine eutrophication: modelling of damage to ecosystems in life cycle impact assessment (LCIA)
Publication: Research › Ph.D. thesis – Annual report year: 2016

Indoor Air Pollutant Exposure for Life Cycle Assessment: Regional Health Impact Factors for Households
Publication: Research - peer-review › Journal article – Annual report year: 2015

The Glasgow consensus on the delineation between pesticide emission inventory and impact assessment for LCA
Publication: Research - peer-review › Journal article – Annual report year: 2015

The USEtox story: A survey of model developer visions and user requirements
Publication: Research - peer-review › Journal article – Annual report year: 2014

Characterization modelling of aquatic ecotoxicity from metal emission to be applied in Life Cycle Impact Assessment
Publication: Research › Ph.D. thesis – Annual report year: 2015

Development of characterization factors for metals in coastal seawater
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2014

Global guidance on environmental life cycle impact assessment indicators: findings of the scoping phase
Publication: Research - peer-review › Journal article – Annual report year: 2014
Pursuing an ecological component for the Effect Factor in LCIA methods
Publication: Research - peer-review › Poster – Annual report year: 2014

Spatially differentiated comparative toxicity potentials of metals in global coastal seawater
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2014

Updated US and Canadian normalization factors for TRACI 2.1
Publication: Research - peer-review › Journal article – Annual report year: 2013

Addressing Geographic Variability in the Comparative Toxicity Potential of Copper and Nickel in Soils
Publication: Research - peer-review › Journal article – Annual report year: 2013

Analytical Propagation of Uncertainty in Life Cycle Assessment Using Matrix Formulation
Publication: Research - peer-review › Journal article – 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

Characterizing exposure of bystanders and residents to pesticides applied in agricultural fields
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2013

Exploring parameter uncertainty and seasonal variability for human health intake fractions in life cycle assessment: Extended abstract
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2013

IMPACT World+: Una nueva metodología global y regionalizada de Análisis del Impacto de Ciclo de Vida
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2013

Keeping USEtox up-to-date: What is coming and how you can contribute
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2013

Land use impacts on biodiversity in LCA: proposal of characterization factors based on functional diversity
Publication: Research - peer-review › Journal article – Annual report year: 2013

Life Cycle Risks and Impacts of Nanotechnologies
Publication: Research - peer-review › Book chapter – Annual report year: 2013

Quantification of uncertainty and spatial variability of characterisation factors in the new global LCIA method IMPACT World+
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2013

Evaluation of spatial variability of metal bioavailability in soils using geostatistics
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2012

A Methodology for Inclusion of Terrestrial Ecotoxic Impacts of Metals in Life Cycle Impact Assessment
Publication: Research › Conference abstract in proceedings – Annual report year: 2011

Are Free Ion Activity Models Sufficient Alternatives to Biotic Ligand Models in Evaluating Metal Toxic Impacts in Terrestrial Environments?
Publication: Research › Poster – Annual report year: 2011
Building a model based on scientific consensus for Life Cycle Impact Assessment of chemicals: The Search for Harmony and Parsimony
Publication: Research - peer-review › Journal article – Annual report year: 2008

International consensus model for comparative assessment of chemical emissions in LCA
Publication: Research › Conference abstract in proceedings – Annual report year: 2008

USEtox - The UNEP-SETAC toxicity model: recommended characterisation factors for human toxicity and freshwater ecotoxicity in Life Cycle Impact Assessment
Publication: Research - peer-review › Journal article – Annual report year: 2008

A flexible matrix algebra framework for the multimedia multipathway modeling of emission to impacts
Publication: Research - peer-review › Journal article – Annual report year: 2007

International consensus model for comparative assessment of chemicals
Publication: Research › Poster – Annual report year: 2007

Towards a consensus model in chemical characterisation modelling for LCA: comparison and harmonisation of models for fate and ecotoxicity effects
Publication: Research › Poster – Annual report year: 2007

Towards a consensus model in chemical characterisation modelling for LCA: comparison and harmonisation of models for human exposure and toxicity
Publication: Research › Conference abstract for conference – Annual report year: 2007

Establishing a framework for Life Cycle Toxicity Assessment: Findings of the Lausanne review workshop
Publication: Research › Journal article – Annual report year: 2006

Multimedia and Food Chain Modelling of Toxics for Comparative Risk and Life Cycle Impact Assessment
Publication: Research › Doctoral thesis – Annual report year: 2006

An implemented approach for estimating uncertainties for toxicological impact characterisation
Publication: Research - peer-review › Article in proceedings – Annual report year: 2004

Bringing Science and Pragmatism together - a Tiered Approach for Modelling Toxicological Impacts in LCA
Publication: Research - peer-review › Journal article – Annual report year: 2004

Comparison between three different LCIA methods for aquatic ecotoxicity and a product Environmental Risk Assessment – Insights from a Detergent Case Study within OMNIITOX
Publication: Research - peer-review › Journal article – Annual report year: 2004

IMPACT 2002+: A New Life Cycle Impact Assessment Methodology
Publication: Research - peer-review › Journal article – Annual report year: 2003

Projects:

Quantifying the Sustainability of Consumer Products: Focusing on Chemical Exposures
Project: PhD

Impacts of waterbone nitrogen emissions to hypoxia-driven marine eutrophication: modelling of damage to ecosystems in life cycle impact assessment (LC IA)
Project: PhD
Life cycle impact assessment of long-term emissions from landfills
Project: PhD

Development and application of a standardized methodology for the PROspective SUstainability assessment of Technologies
Project: PhD

Development of a methodology for inclusion of terrestrial ecotoxic impacts of metals in life cycle impact assessment
Project: PhD

LC-IMPACT: Development and application of environmental Life Cycle Impact assessment Methods for imProved sustAinability Characterisation of Technologies
Project

Development and application of environmental Life Cycle Impact assessment Methods for improved sustAinability Characterisation of Technologies
Project

Activities:

Scoping Workshop - Global guidance on environmental life cycle impact assessment indicators
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

LC-IMPACT: Outcomes work package 2: toxicity
Activity: Talks and presentations › Conference presentations

Keeping USEtox up-to-date: What is coming and how you can contribute
Activity: Talks and presentations › Conference presentations

Exploring parameter uncertainty and seasonal variability for human health intake fractions in life cycle assessment
Activity: Talks and presentations › Conference presentations

Modelling human and ecosystems exposures and impacts for life-cycle assessment: the USEtox model
Activity: Talks and presentations › Conference presentations

Towards consensus about the delimitation between life cycle inventory and impact assessment in LCAs with pesticide and fertilizer use
Activity: Attending an event › Participating in or organising a conference

Guideline committee VDI-Guideline 4601 "Environmental Indicators" (Richtlinienausschuss VDI-Richtlinie 4601 "Umweltindikatoren") (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

International Journal of Life Cycle Assessment (Journal)
Activity: Research › Journal editor