

Purpose of Review Carbon Dioxide Removal (CDR) is essential for achieving net-zero emissions, yet its large-scale deployment presents environmental, methodological, and policy challenges. ...

This study evaluates and compares sustainable, low-cost biofilter media, specifically chitosan and *Phragmites australis* biochar, with commercial activated carbon to remove chemical oxygen ...

Freight rail is more energy-efficient than truck transport over long-haul distances, offering a low-energy and emissions-intensive option for transporting freight. This study evaluates techno ...

The NIST Artificial Intelligence Risk Management Framework (AI RMF) is a recent framework developed by The National Institute of Standards and Technology (NIST) to guide organizations across all sectors in the use of ...

There are increasing calls for, and inclusion of, environmental impact assessment in clinical trials in kidney and wider health care literature. 7 - 9 Life cycle assessment (LCA) is defined by ...

Ours is the first detailed assessment not only of dietary quality but also of the environmental footprint of health-care foodservice using a bottom-up approach based on a lifecycle ...

The cement industry is a significant contributor to global environmental impacts, and Life Cycle Assessment (LCA) has emerged as a critical tool for evaluating and managing these burdens. ...

DIN EN ISO 14044:2021-02???????,???? ?????? ??????, Environmental management - Life cycle assessment - Requirements and guidelines (ISO 14044:2006 + Amd 1:2017 +

ISO 14001 Life Cycle Perspective - An Ultimate Guide The Knowledge Academy 08 July 2025 Curious about the Life Cycle Perspective? It's a comprehensive approach that evaluates the environmental impacts of a ...

Environmental impacts were quantified across construction and operational phases using life cycle assessment (LCA) with GaBi software 9.2, employing TRACI 2021 and ReCiPe 2016 methods, while techno-economic analysis ...

The paper addresses the topic of Life Cycle Assessment (LCA) and the methods and IT tools supporting the implementation of this methodology during detailed product analysis. At the ...

This short course will give you an introduction to life cycle assessment (LCA) methods and how to apply them in real-life situations. Life cycle assessment (LCA) is a rapidly evolving tool used to determine impacts ...

Lifecycle assessment standards

Although the life cycle assessment methodology was developed earlier in the 1960s and 1970s it was standardised by ISO standards 14040 and ISO 14044 standards in the 1990s, addressing the quantitative assessment ...

Retail: GS1 Standards for Data Quality Description: GS1, a global standards organization, provides standards for identifying, capturing, and sharing product information in the retail industry. These standards ensure consistency ...

Environmental footprint of patient information leaflets (PIL) - How a paper PIL compares to an electronic PIL (ePI) (Guest Blog) Life cycle assessment (LCA) is a powerful methodology to evaluate the environmental impacts of a product or ...

Software Development Life Cycle (SDLC) is a structured process that is used to design, develop, and test high-quality software. SDLC, or software development life cycle, is a methodology that defines the entire procedure of ...

It finally summarizes key research gaps and proposed future research areas focusing on field-scale testing, lifecycle assessment, and development of standard protocols to enable broader ...

[PA/MA] Integration von Life Cycle Assessment in Product Lifecycle Management 22. Juli 2025 Ausgangssituation Product Lifecycle Management (PLM) ist ein strategischer Ansatz zur ...

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