



Fuzzy Analytical Hierarchy Process Disposal Method

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Fuzzy Analytical Hierarchy Process Disposal Method:

Intelligence Systems in Environmental Management: Theory and Applications Cengiz Kahraman, İrem Uçal Sari, 2016-09-03 This book offers a comprehensive reference guide to intelligence systems in environmental management. It provides readers with all the necessary tools for solving complex environmental problems where classical techniques cannot be applied. The respective chapters written by prominent researchers explain a wealth of both basic and advanced concepts including ant colony genetic algorithms, evolutionary algorithms, fuzzy multi criteria decision making tools, particle swarm optimization, agent based modelling, artificial neural networks, simulated annealing, Tabu search, fuzzy multi objective optimization, fuzzy rules, support vector machines, fuzzy cognitive maps, cumulative belief degrees and many others. To foster a better understanding, all the chapters include relevant numerical examples or case studies. Taken together, they form an excellent reference guide for researchers, lecturers, and postgraduate students pursuing research on complex environmental problems. Moreover, by extending all the main aspects of classical environmental solution techniques to its intelligent counterpart, the book presents a dynamic snapshot on the field that is expected to stimulate new directions and stimulate new ideas and developments.

Plastic Waste Management Kalim Deshmukh, Jyotishkumar Parameswaranpillai, 2024-03-11 Plastic Waste Management Comprehensive resource on innovative and breakthrough developments in plastic waste management covering a wide range of processing techniques and applications. Plastic Waste Management offers a complete guide to the best plastic waste management practices through recycling, incineration, landfill, and other processes, discusses applications of plastic waste management including energy generation, biochemical production, construction, and food packaging, covering current challenges relating to plastic waste, explaining the sources of waste and their routes into the environment, and providing systematic coverage of plastic waste treatment methods including mechanical processing, monomerization, blast furnace feedstock gasification, and thermal recycling. The book also discusses different biodegradation mechanisms of plastic wastes and ecotoxicity and ecological implications of marine plastic debris. From a cultural perspective, the book provides information regarding environmental and health implications, societal issues, and current challenges associated with plastic waste management. Written by leading experts in the field and edited by two highly qualified academics, Plastic Waste Management covers specific sample topics such as: A roadmap towards a circular economy and environmental sustainability via effective management strategies for plastic wastes; Implementation of an analytical hierarchy process for developing better waste collection systems and chemical recycling of plastic waste for sustainable development; Mechanisms, perspectives, and challenges for natural biodegradation of plastic wastes and conversion of plastic wastes into value added materials; Plastic wastes management and disposal in developing countries and challenges and strategies for plastic waste management during and post COVID-19 pandemic. Plastic Waste Management is a highly valuable resource for scientists and researchers working in the fields of environmental science, environmental engineering, and plastic engineering.

towards the goal of developing sustainable materials along with graduate and postgraduate students in related programs of study and professionals and engineers in related industries

Civil Engineering and Energy-Environment Vol 2 Qingfei Gao,Zhenhua Duan,2023-06-16 Civil Engineering and Energy Environment focuses on the research of civil engineering environment resources and energy materials This proceedings gathers the most cutting edge research and achievements aiming to provide scholars and engineers with preferable research direction and engineering solution as reference Subjects in this proceedings include Engineering Structure Environmental Protection Materials Architectural Environment Environment Resources Energy Storage Building Electrical Engineering The works of this proceedings will promote development of civil engineering and environment engineering Thereby promote scientific information interchange between scholars from top universities research centers and high tech enterprises working all around the world

Sustainable Infrastructure: Breakthroughs in Research and Practice Management Association, Information Resources,2019-11-01 The continued growth of any nation depends largely on the development of their built infrastructures and communities By creating stable infrastructures countries can more easily thrive in competitive international markets Sustainable Infrastructure Breakthroughs in Research and Practice examines sustainable development through the lens of transportation waste management land use planning and governance Highlighting a range of topics such as sustainable development transportation planning and regional and urban infrastructure planning this publication is an ideal reference source for engineers planners government officials developers policymakers legislators researchers academicians and graduate level students seeking current research on the latest trends in sustainable infrastructure

A review of multi-criteria decision-making applications to solve energy management problems: Two decades from 1995 to 2015 Abbas Mardania ,Edmundas Kazimieras Zavadskas,Zainab Khalifah,Norhayati Zakuan,Ahmad Jusoh,Khalil Md Nor,Masoumeh Khoshnoudi, Energy management problems associated with rapid institutional political technical ecological social and economic development have been of critical concern to both national and local governments worldwide for many decades thus addressing such issues is a global priority

Smart Materials and Nanotechnology in Engineering J.L. Zhong,2011-09-27 Selected peer reviewed papers from the 2011 International Conference on Smart Materials and Nanotechnology in Engineering SMNE 2011 September 17 18 2011 Wuhan China

A two level interval valued neutrosophic AHP integrated TOPSIS methodology for post-earthquake fire risk assessment: An application for Istanbul Pelin Gulum,Ertugrul Ayyildiz,Alev Taskin Gumus, Earthquakes are the leading natural disasters that seriously affect human life Furthermore earthquakes are natural disasters that have the ability to trigger a second disaster in addition to the damages they cause From this point of view post earthquake fires are defined as the one of the most dangerous secondary disasters after an earthquake and often cause even more serious dangers For this reason government officials and relevant decision makers should effectively determine post earthquake fire risks and take necessary precautions In this study

we consider the problem of determining the fire risk after an earthquake as a multi criteria decision problem and present a two level framework for risk assessment The main and sub criteria are determined by a detailed literature review and Modified Delphi method is employed to gain and consolidate expert opinions

IoT-Based Data Analytics for the Healthcare Industry Sanjay Kumar Singh,Ravi Shankar Singh,Anil Kumar Pandey,Sandeep S Udmale,Ankit Chaudhary,2020-11-07 IoT Based Data Analytics for the Healthcare Industry Techniques and Applications explores recent advances in the analysis of healthcare industry data through IoT data analytics The book covers the analysis of ubiquitous data generated by the healthcare industry from a wide range of sources including patients doctors hospitals and health insurance companies The book provides AI solutions and support for healthcare industry end users who need to analyze and manipulate this vast amount of data These solutions feature deep learning and a wide range of intelligent methods including simulated annealing tabu search genetic algorithm ant colony optimization and particle swarm optimization The book also explores challenges opportunities and future research directions and discusses the data collection and pre processing stages challenges and issues in data collection data handling and data collection set up Healthcare industry data or streaming data generated by ubiquitous sensors cocooned into the IoT requires advanced analytics to transform data into information With advances in computing power communications and techniques for data acquisition the need for advanced data analytics is in high demand Provides state of art methods and current trends in data analytics for the healthcare industry Addresses the top concerns in the healthcare industry using IoT and data analytics and machine learning and deep learning techniques Discusses several potential AI techniques developed using IoT for the healthcare industry Explores challenges opportunities and future research directions and discusses the data collection and pre processing stages

Proceedings of the ... International Conference on Radioactive Waste Management and Environmental Remediation ,1995 Indonesian Journal of Tropical Agriculture ,1996 Multi-objective Decision-making Under Uncertainty: Fuzzy Logic Methods Terry L. Hardy,1994 **Intelligent Structure and Vibration Control** Shaobo Zhong,Yi Min Cheng,Xi Long Qu,2011-02-02 Selected peer reviewed papers from the International Conference on Intelligent Structure and Vibration Control ISVC 2011 January 14 16 2011 Chongqing China **Design for Manufacturability** ,1994 Web-based Green Products Life Cycle Management Systems Hsiao-Fan Wang,2009-01-01 Despite being a relatively new field of research and development green management has drawn much attention from researchers and practitioners Facing critical impacts to its environment a strategic change to integrate supply chain management on green products needs a solid base for decision making Web Based Green Products Life Cycle Management Systems Reverse Supply Chain Utilization provides a comprehensive review of current and potential research in green management and control A unique collection in the growing field of green products this book is a must have for new and experienced researchers as well as practitioners and academicians alike

Environmental Ecology and Technology of Concrete Nai-Qian Feng,Gai-Fei Peng,2006 This book volume is a

collection of selected papers from the International Symposium on Ecological Environment and Technology of Concrete EETC 2005 which was held on the 6th to 8th June 6 8 2005 at Urumchi XinJiang China **Journal of Planning Literature** ,2000
Government Reports Announcements & Index ,1995-11 *Proceedings of the Trends in Electronics Conference* ,1993
Green Supply Chain Management: Product Life Cycle Approach Hsiao-Fan Wang,Surendra M. Gupta,2011-07-27 A
COMPLETE GUIDE TO IMPLEMENTING A GREEN SUPPLY CHAIN This detailed resource provides a stage by stage production methodology within the life cycle of a product to ensure environmental compliance and economic goals After covering basic concepts and background Green Supply Chain Management Product Life Cycle Approach discusses green engineering technologies green value chain management and green information management systems The book delivers the knowledge to quantify the environmental impact on supply chains and identify opportunities for making improvements leading to both green engineering and green management of a product COVERAGE INCLUDES Mathematical background Green engineering Green materials Environmental design Green procurement vendor selection with risk analysis Green production manufacture and remanufacture in certain and uncertain environments Green logistics recycling with certain and uncertain situations Green customers features and identification End of life management disassembly and reuse Database for life cycle assessment procedure with database Web based information support systems *AIAA Computing in Aerospace ... Conference* ,

Fuzzy Analytical Hierarchy Process Disposal Method Book Review: Unveiling the Power of Words

In some sort of driven by information and connectivity, the power of words has be much more evident than ever. They have the ability to inspire, provoke, and ignite change. Such may be the essence of the book **Fuzzy Analytical Hierarchy Process Disposal Method**, a literary masterpiece that delves deep into the significance of words and their affect our lives. Compiled by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we will explore the book is key themes, examine its writing style, and analyze its overall impact on readers.

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