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Multisensor Systems for Analysis of Liquids and Gases: Trends and Developments Larisa Lvova, Dmitry Kirsanov, 2019-01-22 Nowadays the application of multisensor systems for the analysis of liquids and gases is becoming more and more popular in analytical chemistry Such systems also known as electronic tongues and electronic noses are based on various types of chemical sensors and biosensors with different transduction principles combined with multivariate data processing protocols These instruments received significant interest due to their simplicity low costs and the possibility to obtain reliable chemical information from complex unresolved analytical signals A distinct feature of electronic tongues and noses is that they can be calibrated for prediction of complex integral features in samples like e g taste odor toxicity geographical origin general conformity with certain standards etc the tasks that otherwise would require involvement of complex analytical instrumentation human or animal sensory panels In the present eBook the original research and review articles in the area of multisensor approach are collected They dedicated to the novel sensor materials development measuring techniques evaluation electronics data processing protocols and practical applications An editorial foreword article is followed by the researches authored by leading scientists in the field of chemical sensors and artificial sensing systems With this eBook we hope to inspire further interest and new research efforts in this exciting area

Forbidden Configurations in Discrete Geometry David Eppstein, 2018-05-17 This book surveys the mathematical and computational properties of finite sets of points in the plane covering recent breakthroughs on important problems in discrete geometry and listing many open problems It unifies these mathematical and computational views using forbidden configurations which are patterns that cannot appear in sets with a given property and explores the implications of this unified view Written with minimal prerequisites and featuring plenty of figures this engaging book will be of interest to undergraduate students and researchers in mathematics and computer science Most topics are introduced with a related puzzle or brain teaser The topics range from abstract issues of collinearity convexity and general position to more applied areas including robust statistical estimation and network visualization with connections to related areas of mathematics including number theory graph theory and the theory of permutation patterns Pseudocode is included for many algorithms that compute properties of point sets

Official Gazette of the United States Patent Office United States. Patent Office, 1940

Green finance & carbon neutrality: strategies and policies for a sustainable future Wei Zhang, Tian Tang, Satar Bakhsh, Xuemeng Liu, 2025-09-01 The accelerating global climate crisis demands innovative and sustainable financial strategies to mitigate its impacts and facilitate the transition to a carbon neutral economy Green finance and carbon neutrality are instrumental in this endeavor Green finance entails financial investments directed towards sustainable development projects and initiatives that promote environmental benefits Its growth is critical in supporting the transition to a low carbon economy Simultaneously the concept of carbon neutrality which refers to achieving net zero carbon dioxide emissions by balancing or eliminating emissions

entirely has become a central goal for many governments and organizations worldwide. The urgent global challenge that this Research Topic aims to address is how to effectively integrate green finance strategies into our path towards achieving carbon neutrality. Despite the increasing importance of both these areas, there remains a significant knowledge gap on how they can synergistically drive a shift towards a low carbon sustainable economy. Moreover, the absence of standardized regulations and lack of broad understanding of these concepts have contributed to slower adoption and implementation rates than what is urgently required. The goal of this Research Topic is to consolidate recent advancements, present innovative strategies, and highlight successful case studies in the nexus of green finance and carbon neutrality. This includes exploring novel financial instruments and models that encourage sustainable investments, comprehending the socio-economic impacts of moving towards a carbon neutral economy, and showcasing policy mechanisms that have effectively integrated green finance and carbon neutrality. By amalgamating these insights, we aim to guide policymakers, inform business practices, stimulate further academic exploration, and ultimately accelerate the global journey towards a sustainable carbon neutral future. The scope of this Research Topic encompasses a broad range of themes at the intersection of green finance and carbon neutrality. We are particularly interested in empirical Original Research articles in depth Reviews of current literature Policy and Practice Reviews, and case studies demonstrating the successful application of green finance strategies in achieving carbon neutrality. Potential topics include but are not limited to following areas: Development of innovative green financial instruments; Analysis of policy frameworks and regulations promoting carbon neutrality; Examination of the role of ESG (Environmental, Social, Governance) factors in investment decisions; Studies on the socio-economic impacts of transitioning to a carbon neutral economy. Manuscripts that provide novel insights, propose unique models, or offer critical perspectives on existing approaches are highly encouraged. By collating these diverse viewpoints, we aim to further enrich the dialogue on sustainable development and carbon neutrality.

The Tiger Paper, 2014 **Mother Cow, Mother India** Yamini Narayanan, 2023-02-14. India imposes stringent criminal penalties including life imprisonment in some states for cow slaughter based on a Hindu ethic of revering the cow as sacred. And yet India is among the world's leading producers of beef, leather, and milk industries sustained by the mass slaughter of bovines. What is behind this seeming contradiction? What do bovines deemed holy in Hinduism experience in the Indian milk and beef industries? Yamini Narayanan asks and answers these questions, introducing cows and buffaloes as key subjects in India's cow protectionism rather than their treatment hitherto as mere objects of political analysis. Emphasizing human-animal hierarchical relations, Narayanan argues that the Hindu framing of the cow as mother is one of human domination wherein bovine motherhood is simultaneously capitalized for dairy production and weaponized by right-wing Hindu nationalists to violently oppress Muslims and Dalits. Using ethnographic and empirical data gathered across India, this book reveals the harms caused to buffaloes, cows, bulls, and calves in dairying and the exploitation required of the diverse racialized labor throughout India's dairy production continuum to

obscure such violence Ultimately Narayanan traces how the unraveling of human domination and exploitation of farmed animals is integral to progressive multispecies democratic politics speculating on the real possibility of a post dairy society based on vegan agricultural policies for livelihoods and food security *Greenhouse Gas Emissions and Emissions Mitigation from Agricultural and Horticultural Production Systems* Matthew Tom Harrison, Dietmar Schwarz, Nikolaos Katsoulas, 2022-03-25 **Metals Abstracts** ,1993 The Electrical Journal ,1912 **Routledge Handbook of Seascapes** Gloria Pungetti, 2022-07-31 Seascape studies have developed in response to questions arising from composite correlations such as coastal island and marine research social requirements landscape design and planning marine ecology and environment and resource management This global volume is the first comprehensive overview to provide a solid foundation on the concept of seascape with the latest research findings from leading experts across a variety of fields offering a holistic approach to seascape linking nature with culture and theory with practice Divided into six parts it includes over 30 chapters from contributors around the world Pioneering methods with illustrated case studies from the Mediterranean Scandinavia North Sea North America and Asia serve as examples for future seascape development conservation and governance An important and extremely timely resource the Routledge Handbook of Seascapes provides academics practitioners NGOs consultants and government officials with a broad overview of current research and practice for future application and advance worldwide **The Engineer** ,1872 **Scientific and Technical Aerospace Reports** ,1974 Lists citations with abstracts for aerospace related reports obtained from world wide sources and announces documents that have recently been entered into the NASA Scientific and Technical Information Database **Scientific American** ,1885 Monthly magazine devoted to topics of general scientific interest Tigerpaper ,2014 Journal American Chemical Society, 2002 **Bibliographical Series** Iron and Steel Institute, *Current Index to Journals in Education* ,1997 **International Aerospace Abstracts** ,1986 **Environment Abstracts Annual** ,1992 This database encompasses all aspects of the impact of people and technology on the environment and the effectiveness of remedial policies and technologies featuring more than 950 journals published in the U S and abroad The database also covers conference papers and proceedings special reports from international agencies non governmental organizations universities associations and private corporations Other materials selectively indexed include significant monographs government studies and newsletters **Metallurgia** ,1993

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