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Common Man's Pm Narendra Modi Proceedings of the Annual Eastern Snow Conference **Securing India the Modi Way** The Saffron Wave **Remarkable Healings** **An Introduction to Ocean Remote Sensing** *Satellite-based Applications on Climate Change* Cumulated Index Medicus **Global LAnd Surface Satellite (GLASS) Products** **Inside Out India and China** **Comprehensive Remote Sensing** *Securing India The Modi Way* Geospatial Information Handbook for Water Resources and Watershed Management, Volume I *Land Remote Sensing and Global Environmental Change* Official Gazette of the United States Patent and Trademark Office *Land Surface Observation, Modeling and Data Assimilation* **Earth Science and Applications from Space** *EOS Data Products Handbook* **Quantitative Remote Sensing in Thermal Infrared** *Advanced Remote Sensing* **GlobalSoilMap - Digital Soil Mapping from Country to Globe** **Earth System Monitor** **The Earth Observer** **Advances in Remote Sensing-based Disaster Monitoring and Assessment** *Global Warming and Human - Nature Dimension in Northern Eurasia* Remote Sensing of Land Use and Land Cover Remotely Sensed Data Characterization, Classification, and Accuracies Stability of Tropical Rainforest Margins **Recent Advances in Quantitative Remote Sensing** **Narendra Modi: The Man, the Times** Santa Rita Experimental Range--100 Years (1903 to 2003) of Accomplishments and Contributions **Observation of the Earth and Its Environment** Spectroscopic Properties of Inorganic and Organometallic Compounds Sea Ice *Remote Sensing and Geospatial Technologies for Coastal Ecosystem Assessment and Management* Modi's India Estuarine and Coastal Hydrography and Sediment Transport **Advances in Meteorology, Climatology and Atmospheric Physics** *Guidelines for Surveying Soil and Land Resources* **Multiscale Hydrologic Remote Sensing**

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Inside Out India and China Jan 24 2022 One third of humanity is governed by two capitals, New Delhi and Beijing. Increasingly, these two countries are being led not from the top down, but rather from the Inside Out. In 2014, India overwhelmingly elected Narendra Modi minister, a man who rose to national prominence as chief minister of Gujarat, India's fastest growing state. Likewise, in 2013, Xi Jinping took over as president of China, having served as top official in Zhejiang and Shanghai, two of China's most prosperous provinces. Anticipating these trends and leadership transitions, William Antholis spent five months in 2012 traversing twenty Indian states and Chinese provinces, conducting over three hundred interviews, including with Narendra Modi. Antholis's detailed narratives show what both Modi and Xi Jinping learned firsthand: that local successes—and failures—will determine the future of the world's largest two nations. And his new forward, prepared for this edition, lays out key takeaways from the transitions of 2013 and 2014.

Land Surface Observation, Modeling and Data Assimilation Jul 18 2021 This book is unique in its ambitious and comprehensive coverage of earth system land surface characterization, from observation and modeling to data assimilation, including recent developments in theory and techniques, and novel application cases. The contributing authors are active research scientists, and many of them are internationally known leading experts in their areas, ensuring that the text is authoritative.This book comprises four parts that are logically connected from data, modeling, data assimilation integrating data and models to applications. Land data assimilation is the key focus of the book, which encompasses both theoretical and applied aspects with various novel methodologies and applications to the water cycle, carbon cycle, crop monitoring, and yield estimation.Readers can benefit from a state-of-the-art presentation of the latest tools and their usage for understanding earth system processes. Discussions in the book present and stimulate new challenges and questions facing today"s earth science and modeling communities.

Official Gazette of the United States Patent and Trademark Office Aug 19 2021

Observation of the Earth and Its Environment Mar 02 2020 Windows-/Macintosh-Version

Advances in Meteorology, Climatology and Atmospheric Physics Aug 26 2019 This book essentially comprises the proceedings of the 11th International Conference of Meteorology, Climatology and Atmospheric Physics (COMECAP 2012) that is held in Athens from 30 May to 1 June 2012. The Conference addresses researchers, professionals and students interested in the following topics: Agricultural Meteorology and Climatology, Air Quality, Applied Meteorology and Climatology, Applications of Meteorology in the Energy Sector, Atmospheric Physics and Chemistry, Atmospheric Radiation, Atmospheric Boundary Layer, Biometeorology and Bioclimatology, Climate Dynamics, Climatic Changes, Cloud Physics, Dynamic and Synoptic ?eteorology, Extreme Events, Hydrology and Hydrometeorology, Mesoscale Meteorology, Micrometeorology/Urban Microclimate, Remote Sensing/ Satellite Meteorology and Climatology, Weather Analysis and Forecasting. The book includes all papers that have been accepted for presentation at the conference.

Modi's India Oct 28 2019 A riveting account of how a popularly elected leader has steered the world's largest democracy toward authoritarianism and intolerance Over the past two decades, thanks to Narendra Modi, Hindu nationalism has been coupled with a form of national-populism that has ensured its success at the polls, first in Gujarat and then in India at large. Modi managed to seduce a substantial number of citizens by promising them development and polarizing the electorate along ethno-religious lines. Both facets of this national-populism found expression in a highly personalized political style as Modi related directly to the voters through all kinds of channels of communication in order to saturate the public space. Drawing on original interviews conducted across India, Christophe Jaffrelot shows how Modi's government has moved India toward a new form of democracy, an ethnic democracy that equates the majoritarian community with the nation and relegates Muslims and Christians to second-class citizens who are harassed by vigilante groups. He discusses how the promotion of Hindu nationalism has resulted in attacks against secularists, intellectuals, universities, and NGOs. Jaffrelot explains how the political system of India has acquired authoritarian features for other reasons, too. Eager to govern not only in New Delhi, but also in the states, the government has centralized power at the expense of federalism and undermined institutions that were part of the checks and balances, including India's Supreme Court. Modi's India is a sobering account of how a once-vibrant democracy can go wrong when a government backed by popular consent suppresses dissent while growing increasingly intolerant of ethnic and religious minorities.

Common Man's Pm Narendra Modi Nov 02 2022 This book is a worthreading, prolific and insightful lifesketch of the torchbearer of Indians. It is about common man’s Prime Minister Narendra Modi who has become a ray of hope for 125 crore Indians—from a humble farmer to an ambitious industrialist—having taken the route to good governance after being sworn as India's Prime Minister in May 2014. The gamechanger of Indian politics, Modi had taken the mesmeric hold over Gujarat masses with three consecutive victories in the state assembly elections and was a senior campaign adviser drawing unprecedented crowds for Lok Sabha 2014 elections. After getting elected PM, Modi is often echoed in 24x7 Breaking News on media channels and enjoys good rapport with the top world leaders whom he visited during his six months of Prime Ministership. The insightful leader led India at the IndiaASEAN Summit, G20 Summit and had bilateral meetings with the leadership of countries like US, Japan, China and other neighbouring countries of India. He has launched new avenues of cooperation with the countries with which India has deep historical and cultural ties over centuries. His initiatives like 'Make in India' and 'Swachchha Bharat Abhiyan' have been widely lauded. Modi has called for innovative effort to make renewable energy, especially solar energy, competitive with conventional energy and pitched for global cooperation on repatriation of black money.

Santa Rita Experimental Range--100 Years (1903 to 2003) of Accomplishments and Contributions Apr 02 2020

Satellite-based Applications on Climate Change Apr 26 2022 Climate and other environmental changes are drawing unprecedented concern and attention from national governments, international organizations and local communities. Global warming has left noticeable impacts on the environment and the ecosystems it supports (including humans), and has important implications for sustainable economic and social development in the future. Satellite observations of climate and environmental change have become an increasingly important tool in recent years in helping to shape the response of international communities to this critical global challenge. The book presents the latest advances in satellite-based remote sensing of the Earth’s environment - ranging from applications in climate and atmospheric science to hydrology, oceanography, hydrology, geomorphology, ecology and fire studies. Introductory chapters also cover key technical aspects such as instrumentation, calibration, data analysis, and GIS tools for decision-making.

Earth System Monitor Jan 12 2021

Stability of Tropical Rainforest Margins Jul 06 2020 Tropical rainforests are disappearing at an alarming rate, causing unprecedented losses in biodiversity and ecosystem services. This book contributes to an improved understanding of the processes that have destabilizing effects on ecological and socio-economic systems of tropical rain forest margins, as well as striving to integrate environmental, technological and socio-economic issues in their solution.

Remarkable Healings Jun 28 2022 While most doctors agree that our emotional state affects our physical health, few would give credence to "spiritual influences". Dr. Modi discovered that during hypnotic therapy many patients claimed to have 'entities" attached to them, living in their energy fields and affecting their behavior. This book demonstrates the technique which she developed to "clear" these energy fields.

Estuarine and Coastal Hydrography and Sediment Transport Sep 27 2019 A practical guide to the latest remote and in situ techniques used to measure sediments, quantify seabed characteristics, and understand physical properties of water and sediments and transport mechanisms in estuaries and coastal waters. Covering a broad range of topics from global reference frames and bathymetric surveying methods to the use of remote sensing for determining surface-water variables, enough background is included to explain how each technology functions. The advantages and disadvantages of each technology are explained, and a review of recent fieldwork experiments demonstrates how modern methods apply in real-life estuarine and coastal campaigns. Clear explanations of physical processes show links between different disciplines, making the book ideal for students and researchers in the environmental sciences, marine biology, chemistry and geology, whose work relies on an understanding of the physical environment and the way it is changing as a result of climate change, engineering and other influences.

The Earth Observer Dec 11 2020

Sea Ice Dec 31 2019 Sea Ice: Physics and Remote Sensing addresses experiences acquired mainly in Canada by researchers in the fields of ice physics and growth history in relation to its polycrystalline structure as well as ice parameters retrieval from remote sensing observations. The volume describes processes operating at the macro- and microscale (e.g., brine entrapment in sea ice, crystallographic texture of ice types, brine drainage mechanisms, etc.). The information is supported by high-quality photographs of ice thin-sections prepared from cores of different ice types, all obtained by leading experts during field experiments in the 1970s through the 1990s, using photographic cameras and scanning microscopy. In addition, this volume presents techniques to retrieve a suite of sea ice parameters (e.g. ice type, concentration, extent, thickness, surface temperature, surface deformation, etc.) from space-borne and airborne sensor data. The breadth of the material on this subject is designed to appeal to researchers and users of remote sensing data who want to develop quick familiarity with the capabilities of this technology or detailed knowledge about major techniques for retrieval of key ice parameters. Volume highlights include: Detailed crystallographic classification of natural sea ice, the key information from which information about ice growth conditions can be inferred. Many examples are presented with material to support qualitative and quantitative interpretation of the data. Methods developed for revealing microstructural characteristics of sea ice and performing forensic investigations. Data sets on radiative properties and satellite observations of sea ice, its snow cover, and surrounding open water. Methods of retrieval of ice surface features and geophysical parameters from remote sensing observations with a focus on critical issues such as the suitability of different sensors for different tasks and data

synergism. Sea Ice: Physics and Remote Sensing is intended for a variety of sea ice audiences interested in different aspects of ice related to physics, geophysics, remote sensing, operational monitoring, mechanics, and cryospheric sciences.
Remote Sensing of Land Use and Land Cover Sep 07 2020 Filling the need for a comprehensive book that covers both theory and application, Remote Sensing of Land Use and Land Cover: Principles and Applications provides a synopsis of how remote sensing can be used for land-cover characterization, mapping, and monitoring from the local to the global scale. With contributions by leading scientists from aro
Guidelines for Surveying Soil and Land Resources Jul 26 2019 Provides guidelines to promote the development and implementation of consistent methods and standards for conducting soil and land resource surveys in Australia.
Multiscale Hydrologic Remote Sensing Jun 24 2019 Multiscale Hydrologic Remote Sensing: Perspectives and Applications integrates advances in hydrologic science and innovative remote sensing technologies. Raising the visibility of interdisciplinary research on water resources, it offers a suite of tools and platforms for investigating spatially and temporally continuous hydrological variables and p
Quantitative Remote Sensing in Thermal Infrared Apr 14 2021 This book provides a comprehensive and advanced overview of the basic theory of thermal remote sensing and its application in hydrology, agriculture, and forestry. Specifically, the book highlights the main theory, assumptions, advantages, drawbacks, and perspectives of these methods for the retrieval and validation of surface temperature/emissivity and evapotranspiration from thermal infrared remote sensing. It will be an especially valuable resource for students, researchers, experts, and decision-makers whose interest focuses on the retrieval and validation of surface temperature/emissivity, the estimation and validation of evapotranspiration at satellite pixel scale, and the application of thermal remote sensing. Both Prof. Huajun Tang and Prof. Zhao-Liang Li work at the Chinese Academy of Agricultural Sciences (CAAS), China.
Securing India The Modi Way Nov 21 2021 In Securing India the Modi way - Pathankot, Surgical strikes and More, Nitin A. Gokhale provides the most intimate and sweeping account yet of Team Narendra Modi's approach to national security and foreign policy initiatives. Drawing on internal memos, as yet classified information, meeting notes and hundreds of hours of interviews with key players in the national security team, Gokhale brings alive inside stories of decision-making at the highest levels in the government. Painstakingly researched, the book details hitherto unknown aspects of the planning and execution of the surgical strikes, revamping of New Delhi's policy towards China and Pakistan, India's renewed global policy focus on Middle East, Prime Minister Modi's attempt to leverage the Indian diaspora worldwide and his attention to smallest of details besides focusing on some small but far-reaching steps taken to secure India in every possible way -on land, space, cyber and maritime domains.
Earth Science and Applications from Space Jun 16 2021 Natural and human-induced changes in Earth's interior, land surface, biosphere, atmosphere, and oceans affect all aspects of life. Understanding these changes requires a range of observations acquired from land-, sea-, air-, and space-based platforms. To assist NASA, NOAA, and USGS in developing these tools, the NRC was asked to carry out a "decadal strategy" survey of Earth science and applications from space that would develop the key scientific questions on which to focus Earth and environmental observations in the period 2005-2015 and beyond, and present a prioritized list of space programs, missions, and supporting activities to address these questions. This report presents a vision for the Earth science program; an analysis of the existing Earth Observing System and recommendations to help restore its capabilities; an assessment of and recommendations for new observations and missions for the next decade; an examination of and recommendations for effective application of those observations; and an analysis of how best to sustain that observation and applications system.
Securing India the Modi Way Aug 31 2022 The Narendra Modi government, ever since it came to power in May 2014, has made several departures from the past in India's foreign and national security policies. The Prime Minister's personal attention to these two aspects of governance has set new benchmarks. These decisions have made the world sit up and take notice of a more confident and assured Indian government, not afraid to take potentially risky decisions. In Securing India the Modi Way: Pathankot, Surgical Strikes and More, released in September 2017, Nitin A. Gokhale provided the most intimate and sweeping account of Team Narendra Modi's approach to national security and foreign policy initiatives. This revised and updated edition includes details of how the unprecedented decisions to strike a Jaish-e-Mohammad terrorist camp at Balakot inside Pakistan and to carry out a test to acquire the capability to destroy a satellite in space, were taken. Drawing on internal discussions, as yet unknown information, meeting notes and hours of interviews with key players in the national security team, Gokhale brings alive inside stories of policy formulation at the highest levels in the government. Painstakingly researched, the book details hitherto unknown aspects of the planning and execution of the Balakot strike, the aerial dogfight between Indian and Pakistani air forces and India's quiet diplomacy in turning the situation around in Maldives. The earlier edition had details surgical strikes, revamping of New Delhi's policy towards China and Pakistan, India's renewed outreach to the Middle East, Prime Minister Modi's attempt to leverage the Indian diaspora worldwide and his attention to smallest of details besides focusing on some small but far-reaching steps taken to secure India in every possible way-on land, in space, cyber and maritime domains. The book in many ways is the first authentic account of the Modi government's decision making process on vital issues.
Global Warming and Human - Nature Dimension in Northern Eurasia Oct 09 2020 This book describes the current environmental changes due to global warming in northern Eurasia, especially focusing on eastern Siberia. Spring flooding, ice-jam movements, and monitoring using remote sensing are included. Additionally, current reindeer herding of indigenous peoples in Siberia and related environmental changes such as waterlogging, rising temperatures, and vegetation changes are addressed. As a summary, the book also introduces readers to adaptation strategies at several governmental levels. The book primarily focuses on 1) introducing readers to global warming and human-nature dynamics in Siberia, with special emphasis on humidification of the region in the mid-2000s, and 2) describing social adaptation to the changing terrestrial ecosystem, with an emphasis on water environments. Adaptation strategies based on vulnerability assessments of environmental changes in northern Eurasia are crucial topics for intergovernmental organizations, such as the IPCC (Intergovernmental Panel on Climate Change). Thus, the book offers a valuable resource not only for environmental researchers but also for several stakeholders regarding global environmental change.
Remotely Sensed Data Characterization, Classification, and Accuracies Aug 07 2020 A volume in the Remote Sensing Handbook series, Remotely Sensed Data Characterization, Classification, and Accuracies documents the scientific and methodological advances that have taken place during the last 50 years. The other two volumes in the series are Land Resources Monitoring, Modeling, and Mapping with Remote Sensing, and Remote Sensing of
Proceedings of the Annual Eastern Snow Conference Oct 01 2022
Land Remote Sensing and Global Environmental Change Sep 19 2021 Land Remote Sensing and Global Environmental Change: The Science of ASTER and MODIS is an edited compendium of contributions dealing with ASTER and MODIS satellite sensors aboard NASA's Terra and Aqua platforms launched as part of the Earth Observing System fleet in 1999 and 2002 respectively. This volume is divided into six sections. The first three sections provide insights into the history, philosophy, and evolution of the EOS, ASTER and MODIS instrument designs and calibration mechanisms, and the data systems components used to manage and provide the science data and derived products. The latter three sections exclusively deal with ASTER and MODIS data products and their applications, and the future of these two classes of remotely sensed observations.
Advances in Remote Sensing-based Disaster Monitoring and Assessment Nov 09 2020 Remote sensing data and techniques have been widely used for disaster monitoring and assessment. In particular, recent advances in sensor technologies and artificial intelligence-based modeling are very promising for disaster monitoring and readying responses aimed at reducing the damage caused by disasters. This book contains eleven scientific papers that have studied novel approaches applied to a range of natural disasters such as forest fire, urban land subsidence, flood, and tropical cyclones.
The Saffron Wave Jul 30 2022 The rise of strong nationalist and religious movements in postcolonial and newly democratic countries alarms many Western observers. In The Saffron Wave, Thomas Hansen turns our attention to recent events in the world's largest democracy, India. Here he analyzes Indian receptivity to the right-wing Hindu nationalist party and its political wing, the Bharatiya Janata Party (BJP), which claims to create a polity based on "ancient" Hindu culture. Rather than interpreting Hindu nationalism as a mainly religious phenomenon, or a strictly political movement, Hansen places the BJP within the context of the larger transformations of democratic governance in India. Hansen demonstrates that democratic transformation has enabled such developments as political mobilization among the lower castes and civil protections for religious minorities. Against this backdrop, the Hindu nationalist movement has successfully articulated the anxieties and desires of the large and amorphous Indian middle class. A form of conservative populism, the movement has attracted not only privileged groups fearing encroachment on their dominant positions but also "plebeian" and impoverished groups seeking recognition around a majoritarian rhetoric of cultural pride, order, and national strength. Combining political theory, ethnographic material, and sensitivity to colonial and postcolonial history, The Saffron Wave offers fresh insights into Indian politics and, by focusing on the links between democracy and ethnic majoritarianism, advances our understanding of democracy in the postcolonial world.
GlobalSoilMap - Digital Soil Mapping from Country to Globe Feb 10 2021 GlobalSoilMap: Digital Soil Mapping from Country to Globe contains contributions that were presented at the 2nd GlobalSoilMap conference, held 4-6 July 2017 in Moscow, Russian Federation. These contributions demonstrate new developments in the GlobalSoilMap project and digital soil mapping technology in many parts of the world, with special focus on former USSR countries. GlobalSoilMap: Digital Soil Mapping from Country to Globe aims to stimulate capacity building and new incentives to develop full GlobalSoilMap products in all parts of the world.
Recent Advances in Quantitative Remote Sensing Jun 04 2020
An Introduction to Ocean Remote Sensing May 28 2022 Fully updated, with significant new coverage of advances in satellite oceanography and results from new satellite missions, the second edition of this popular textbook introduces students to how remote sensing works, how to understand observations from Earth-observing systems, and the observations' importance to physical and biological oceanography. It provides full explanations of radiative transfer, ocean surface properties, satellite orbits, instruments and methods, visible remote sensing of biogeochemical properties, infrared and microwave retrieval of sea surface temperature, sea surface salinity retrieval, passive microwave measurements, scatterometer wind retrieval, altimetry and SAR. Also included are descriptions of the online archives where data can be obtained, and readers can obtain online tools for working with the data - enabling hands-on engagement with real-world observations. This is an ideal textbook for graduate and advanced undergraduate students in oceanography, remote sensing and environmental science, and a practical resource for researchers and professionals working with oceanographic satellite data.
Geospatial Information Handbook for Water Resources and Watershed Management, Volume I Oct 21 2021 Volume I of Geospatial Information Handbook for Water Resources and Watershed Management discusses fundamental characteristics, measurements, and analyses of water features and watersheds including lakes and reservoirs, rivers and streams, and coasts and estuaries. It presents contemporary knowledge on Geospatial Technology (GT)–supported functional analyses of water runoff, storage and balance, flooding and floodplains, water quality, soils and moisture, climate vulnerabilities, and ecosystem services. Captures advanced Geospatial Technologies (GTs) addressing a wide range of water issues Provides real-world applications and case studies using advanced spectral and spatial sensors combined with geospatially facilitated water process models Details applications of ArcInfo/ArcGIS, Google Earth Engine, and other systems using advanced remote sensors, including hyperspectral ER2 AVIRIS, Sentinel-1 and -2, MODIS, Landsat 7 ETM+, Landsat 8 OLI and TIPS, SAR radar, and thermal imaging Global in coverage with applications contributed by more than 170 authors with lifelong expertise in water sciences and engineering This handbook is a wide-ranging and contemporary reference of advanced geospatial techniques used in numerous practical applications at the local and regional scales and is an in-depth resource for professionals and the water research community worldwide.
Narendra Modi: The Man, the Times May 04 2020 On 26 December 2012, Narendra Modi was sworn in as the Chief Minister of Gujarat for the fourth time to extend his record tenure in office. "Mass Murderer" or "Development Man"? It depends on which side of the spectrum he is viewed from, because Narendra Modi is one of those politicians whose name prompts extremes of hate-filled anger or outright adulation. Despite polarizing Gujarat and India in more ways than one, Modi brilliantly does what it takes to survive in a democracy: win elections. Written by veteran journalist and writer, Nilanjan after several in-depth interviews, meticulous research and extensive travel through Gujarat, this book reveals hitherto unknown aspects of Narendra Modi's psyche: as a six year- old boy selling tea to help out his father and distributing badges and raising slogans at the behest of a local political leader; abandoning his family and wife in search of his definition of truth; initiation into the RSS as a fledgling who ran errands for his seniors; his idea of Gujarati pride and Indian-ness; and finally, his meteoric rise which gave him a distinct identity post the 2002 Godhra riots. Narendra Modi: The Man, The Times is a definitive biography of a man who may have challenged the basic principles of a sovereign secular nation but emerged at its destination as an undisputed and larger-than-life leader.
Remote Sensing and Geospatial Technologies for Coastal Ecosystem Assessment and Management Nov 29 2019 In this landmark publication, leading experts detail how remote sensing and related

geospatial technologies can be used for coastal ecosystem assessment and management. This book is divided into three major parts. In the first part several conceptual and technical issues of applying remote sensing and geospatial technologies in the coastal environment are examined. The second part showcases some of the latest developments in the use of remote sensing and geospatial technologies when characterizing coastal waters, submerged aquatic vegetation, benthic habitats, shorelines, coastal wetlands and watersheds. Finally, the last part demonstrates a watershed-wide synthetic approach that links upstream stressors with downstream responses for integrated coastal ecosystem assessment and management.

Comprehensive Remote Sensing Dec 23 2021 Comprehensive Remote Sensing covers all aspects of the topic, with each volume edited by well-known scientists and contributed to by frontier researchers. It is a comprehensive resource that will benefit both students and researchers who want to further their understanding in this discipline. The field of remote sensing has quadrupled in size in the past two decades, and increasingly draws in individuals working in a diverse set of disciplines ranging from geographers, oceanographers, and meteorologists, to physicists and computer scientists. Researchers from a variety of backgrounds are now accessing remote sensing data, creating an urgent need for a one-stop reference work that can comprehensively document the development of remote sensing, from the basic principles, modeling and practical algorithms, to various applications. Fully comprehensive coverage of this rapidly growing discipline, giving readers a detailed overview of all aspects of Remote Sensing principles and applications Contains ‘Layered content’, with each article beginning with the basics and then moving on to more complex concepts Ideal for advanced undergraduates and academic researchers Includes case studies that illustrate the practical application of remote sensing principles, further enhancing understanding

Advanced Remote Sensing Mar 14 2021 Advanced Remote Sensing: Terrestrial Information Extraction and Applications, Second Edition, is a thoroughly updated application-based reference that provides a single source on the mathematical concepts necessary for remote sensing data gathering and assimilation. It presents state-of-the-art techniques for estimating land surface variables from a variety of data types, including optical sensors like RADAR and LIDAR. The book provides scientists in a number of different fields, including geography, geophysics, geology, atmospheric science, environmental science, planetary science and ecology with access to critically-important data extraction techniques and their virtually unlimited applications. While rigorous enough for the most experienced of scientists, the techniques presented are well designed and integrated, making the book’s content intuitive and practical in its implementation. Provides a comprehensive overview of many practical methods and algorithms Offers descriptions of the principles and procedures of the state-of-the-art in remote sensing Includes real-world case studies and end-of-chapter exercises Contains thoroughly revised chapters, newly developed applications and updated examples

EOS Data Products Handbook May 16 2021 Description of the data products that will be produced from the named scientific missions.

Spectroscopic Properties of Inorganic and Organometallic Compounds Jan 30 2020 Spectroscopic Properties of Inorganic and Organometallic Compounds provides a unique source of information on an important area of chemistry. Divided into sections mainly according to the particular spectroscopic technique used, coverage in each volume includes: NMR (with reference to stereochemistry, dynamic systems, paramagnetic complexes, solid state NMR and Groups 13-18); nuclear quadrupole resonance spectroscopy; vibrational spectroscopy of main group and transition element compounds and coordinated ligands; and electron diffraction. Reflecting the growing volume of published work in this field, researchers will find this Specialist Periodical Report an invaluable source of information on current methods and applications. Specialist Periodical Reports provide systematic and detailed review coverage in major areas of chemical research. Compiled by teams of leading experts in their specialist fields, this series is designed to help the chemistry community keep current with the latest developments in their field. Each volume in the series is published either annually or biennially and is a superb reference point for researchers. www.rsc.org/spr

Cumulated Index Medicus Mar 26 2022

Global LAnd Surface Satellite (GLASS) Products Feb 22 2022 This book describes the algorithms, validation and preliminary analysis of the Global LAnd Surface Satellite (GLASS) products, a long-term, high-quality dataset that is now freely available worldwide to government organizations and agencies, scientific research institutions, students and members of the general public. The GLASS products include leaf area index, broadband albedo, broadband emissivity, downward shortwave radiation and photosynthetically active radiation. The first three GLASS products cover 1981 to 2012 with 1km and 5km spatial resolutions and 8-day temporal resolution, and the last two GLASS products span 2008 to 2010 with 3-hour temporal resolution and 5km spatial resolution. These GLASS products are unique. The first three are spatially continuous and cover the longest period of time among all current similar satellite products. The other two products are the highest spatial-resolution global radiation products from satellite observations that are currently available. These products can be downloaded from Beijing Normal University at http://glass-product.bnu.edu.cn/ and the University of Maryland Global Land Cover Facility at http://www.glcf.umd.edu/ The GLASS products are the outcome of a key research project entitled “Generation & Applications of Global Products of Essential Land Variables”, supported by funding from the High-Tech Research and Development Program of China and involving dozens of institutions and nearly one hundred scientists and researchers. Following an introduction, the book contains five chapters corresponding to these five GLASS products: background, algorithm, quality control and validation, preliminary analysis and applications. It discusses the long-term environmental changes detected from the GLASS products and other data sources at both global and local scales and also provides detailed analysis of regional hotspots where environmental changes are mainly associated with climate change, drought, land-atmosphere interactions, and human activities. The book is based primarily on a set of published journal papers about these five GLASS products and includes updated information. Since these products have now begun to be widely used, this book is an essential reference document. It is also a very helpful resource to anyone interested in satellite remote sensing and its applications.