Journal Ranking Virology

"Based on the author's experiences teaching virology for more than 35 years, Virology: Molecular Biology and Pathogenesis enables readers to develop a deep understanding of fundamental virology by emphasizing principles and discussing viruses in the context of virus families. Moreover, individual virus families are examined within the context of the Baltimore classification system, a key unifying theme that allows readers to assume basic facts about the replication strategy of a virus based on the natureof its

genome."--BOOK JACKET.

VirologyPrinciples and ApplicationsJohn Wiley & Sons

Emergency Communication, Big Data and Intelligent Computing, Electronics Information and Application, Data Analysis, Prediction and Model Identification, Distributed Computing and Cooperative Computing, Wireless Sensor and Communication Networks, Control and Embedded Systems

Research on oncogenic viruses and related human cancers has advanced rapidly in the past decade. Most articles, however, focus on a specific oncogenic virus and cancer. There is consequently a need for a

comprehensive, up-to-date monograph that offers broad and integrated knowledge. Viruses and Human Cancer – From Basic Science to Clinical Prevention is designed to meet this need by providing an advanced overview on the basic and clinical aspects of oncogenic viruses and the human cancers that they cause. Virology, virus-induced inflammation and tissue injuries, oncogenic mechanisms, epidemiology, and current and emerging preventive and therapeutic strategies are all discussed in detail. In addition, the book covers the individual aspects of seven oncogenic viruses, i.e., hepatitis B virus, hepatitis C

virus, human papilloma virus, Epstein-Barr virus, human T-cell lymphotropic virus, Kaposi sarcoma-associated herpes virus, and Merkel cell polyomavirus, and the related human cancers.

100 Years of Virology

2021 International Symposium on Electronics and Smart Devices (ISESD)

Emerging and Reemerging Viral Pathogens

A Virus of Our Own Hatching

The 2019 MDPI Writing Prize

2021 3rd International Conference on Natural Language Processing (ICNLP)

Virology is a clear and accessible introduction to this fast moving field, providing a comprehensive resource enabling students to understand the key concepts surrounding this exciting subject. The authors have produced a text that stimulates and encourages the student through the extensive use of clear, colour-coded diagrams. Taking a modern approach to the subject, the relevance of virology to everyday life is clearly emphasised and discussion on emerging viruses, cancer, vaccines, anti-viral drugs gene vectors and pesticides is included. This title: Provides an introduction to the theories behind the origins of viruses and how they are evolving with discussion on emerging viruses Includes numerous diagrams with standard colour coding for different types of molecule such as DNA, messenger RNA, other virus RNA's proteins – all diagrams are carefully developed and clearly labelled to enhance

student understanding Features self-contained descriptions of the complete replication cycles of a selection of viruses Introduces the relevance of virology to the modern world including the latest developments in the field - HIV, Foot and Mouth disease, Ebola, SARS and MMR Presents summary boxes, further reading and an associated website to include the latest developments Virology is an essential textbook for all undergraduate students of biology, microbiology and biomedical sciences taking courses in virology. It is also an invaluable resource for MSc level students who have previously done little or no virology and are looking for an accessible introduction to the subject.

Current Protocols in Immunology is a three-volume looseleaf manual that provides comprehensive coverage of immunological methods from classic to the most cutting edge, including antibody

detection and preparation, assays for functional activities of mouse and human cells involved in immune responses, assays for cytokines and their receptors, isolation and analysis of proteins and peptides, biochemistry of cell activation, molecular immunology, and animal models of autoimmune and inflammatory diseases. Carefully edited, step-by-step protocols replete with material lists, expert commentaries, and safety and troubleshooting tips ensure that you can duplicate the experimental results in your own laboratory. Bimonthly updates, which are filed into the looseleaf, keep the set current with the latest developments in immunology methods. The initial purchase includes one year of updates and then subscribers may renew their annual subscriptions. Current Protocols publishes a family of laboratory manuals for bioscientists, including Molecular Biology, Human Genetics,

Protein Science, Cytometry, Cell Biology, Neuroscience, Pharmacology, and Toxicology.

The 2019 MPDI Writing Prize invited early stage researchers who are not native English speakers to write on the subject of "how research should be evaluated and how researchers should be rewarded". Six prizes were awarded, however there were many more entries. This book collates many of those entries and contains inspiring, thought-provoking and original viewpoints of open science through the eyes of those conducting research on a daily basis.

Topics of interest include, but are not limited to Antennas and Propagation Bio informatics Circuit, Electronics and Embedded systems Cellular Mobile Communications Computer Forensics and Cyber Security Computer Algorithms and Architectures

Computations Intelligence and Neural Network Data Mining and Big Data Analysis Data Security and Privacy Electromagnetic Fields and Waves Geographical Information System Humanitarian Technologies Instrumentation and Biomedical Engineering Internet, Web, and Cloud Computing Microwave and RF engineering Materials Science and Thin Films Engineering Nanodevices and nanotechnology Natural Language Processing and Pattern Recognition Power Systems and Switchgear Power Electronics and Drives System Photonics and Fiber Optics Robotics, Control and Mechatronics Systems Renewable Energy Technology Signal and Image Processing Wireless Communications and Networking VLSI design and fabrication Oral Cephalosporins

2019 IEEE ACM 6th International Workshop on Requirements

Engineering and Testing (RET)
Fenner and White's Medical Virology
2017 International Conference on Big Data Analytics and Computational Intelligence (ICBDAC)
The Birth and Growth of a Discipline
Full Scale Evaluation of the Regional Primate Research Centers Program

The growth of data both structured and unstructured will present challenges as well as opportunities for industries and academia over the next few years With the explosive growth of data volumes, it is essential that real time information that is of use to the business can be extracted to

deliver better insights to decision makers, understand complex patterns etc Computational Intelligence tools offer adaptive mechanisms that enable the understanding of data in complex and changing environments The main building blocks of computational intelligence involve computational modeling of biological and natural intelligent systems, multi agent systems, hybrid intelligent systems etc The conference will provide an opportunity for the researchers to meet and discuss the latest solutions, scientific results and methods in solving intriguing problems in the fields of Big Data Analytics, Intelligent Agents and

Computational Intelligence

A profusely illustrated history of one of the hottest medical/biological sciences of all: virology – personalized in crediting the people who began the science concerned with invisible mysterious disease agents, and continuing to cite those who are still unraveling the nature of many of the most important pathogens of today.

The field of oral microbiology has seen fundamental conceptual changes in recent years. Microbial communities are now seen as the fundamental etiological agent in oral diseases through their interface with host inflammatory

responses. Study of structured microbial communities has increased our understanding of the roles of each member in the pathogenesis of oral diseases, principles that apply to both periodontitis and dental caries. Against this backdrop, the third edition of Oral Microbiology and Immunology has been substantially expanded and rewritten by an international team of authors and editors. Featured in the current edition are: links between oral infections and systemic disease revised and updated overview of the role of the immune system in oral infections thorough discussions of biofilm development and control

more extensive illustrations and Key Points for student understanding Graduate students, researchers, and clinicians as well as students will find this new edition valuable in study and practice. The field of oral microbiology has seen fundamental conceptual changes in recent years. Microbial communities are now seen as the fundamental etiological agent in oral diseases through their interface with host inflammatory responses. Study of structured microbial communities has increased our understanding of the roles of each member in the pathogenesis of oral diseases, principles that apply to both

periodontitis and dental caries. Against this backdrop, the third edition of Oral Microbiology and Immunology has been substantially expanded and rewritten by an international team of authors and editors. Featured in the current edition are: links between oral infections and systemic disease revised and updated overview of the role of the immune system in oral infections thorough discussions of biofilm development and control more extensive illustrations and Key Points for student understanding Graduate students, researchers, and clinicians as well as students will find this new edition valuable in study and practice.

One hundred years ago, when Martinus W. Beijerinck in Delft and Friedrich Loeffler on Riems Island discovered a new class of infectious agents in plants and animals, a new discipline was born. This book, a compilation of papers written by well-recognized scientists, gives an impression of the early days, the pioneer period and the current state of virology. Recent developments and future perspectives of this discipline are sketched against a historic background. With contributions by A. Alcami, D. Baulcombe, F. Brown, L. W. Enquist, H. Feldmann, A. Garcia-Sastre, D. Griffiths, M. C. Horzinek, A. van Kammen, H.-D. Klenk, F. A.

Murphy, T. Muster, R. O'Neill, P. Palese, C. Patience, R. Rott, H.- P. Schmiedebach, S. Schneider-Schaulies, G. L. Smith, J. A. Symons, Y. Takeuchi, V. ter Meulen, P. J. W. Venables, V. E. Volchkov, V. A. Volchkova, R. A. Weiss, W. Wittmann, H. Zheng.

2021 Device Research Conference (DRC)

Viruses and Human Cancer

A Practical Guide for Mapping Scientific Literature

2016 IEEE WIC ACM International Conference on Web Intelligence Workshops (WIW)

The Metric Tide

Advances in Virus Research

ICEICTR 2018 (International Conference on Emerging trends in Engineering, Information and Communication Technology Research) provides a platform with objective of bringing together researchers and developers from academia and industry to deliberate, explore and contribute their findings, discussing new research issues, and opportunities shaping the future agenda in the fields of Engineering, Information and Communication technology The conference will feature keynotes, plenary talks, technical papers, workshops, work in progress, industry panels, tutorials, and demonstrations The conference will feature contribution from 200 delegates from more than 50

countries The key fields of focus of the conference are not limited, but noteworthy to mention the following Computational Intelligence, Cloud Computing, information sciences, Big data analytics, Computer Vision, Image Processing, Signal Processing, Intelligent Internet modelling, Wireless Technology and Communication systems
'Represents the culmination of an 18-month-long project that aims to be the definitive review of this important topic. Accompanied by a scholarly literature review, some new analysis, and a wealth of evidence and insight... the report is a tour de force; a once-in-a-generation opportunity to take stock.' – Dr Steven Hill, Head of Policy, HEFCE, LSE Impact of

Social Sciences Blog 'A must-read if you are interested in having a deeper understanding of research culture, management issues and the range of information we have on this field. It should be disseminated and discussed within institutions, disciplines and other sites of research collaboration.' – Dr Meera Sabaratnam, Lecturer in International Relations at the School of Oriental and African Studies, University of London, LSE Impact of Social Sciences Blog Metrics evoke a mixed reaction from the research community. A commitment to using data and evidence to inform decisions makes many of us sympathetic, even enthusiastic, about the prospect of granular, real-time analysis of our own

activities. Yet we only have to look around us at the blunt use of metrics to be reminded of the pitfalls. Metrics hold real power: they are constitutive of values, identities and livelihoods. How to exercise that power to positive ends is the focus of this book. Using extensive evidence-gathering, analysis and consultation, the authors take a thorough look at potential uses and limitations of research metrics and indicators. They explore the use of metrics across different disciplines, assess their potential contribution to the development of research excellence and impact and consider the changing ways in which universities are using quantitative indicators in their management systems. Finally,

they consider the negative or unintended effects of metrics on various aspects of research culture. Including an updated introduction from James Wilsdon, the book proposes a framework for responsible metrics and makes a series of targeted recommendations to show how responsible metrics can be applied in research management, by funders, and in the next cycle of the Research Excellence Framework. The metric tide is certainly rising. Unlike King Canute, we have the agency and opportunity – and in this book, a serious body of evidence – to influence how it washes through higher education and research.

An authoritative and state-of-the-art book bringing

together some of the most recent developments in remote sensing and GIS analysis with a particular emphasis on mathematical techniques and their applications. With contributions from academia, industry and research institutes, all with a high standing, this book covers a range of techniques including: fuzzy classification, artificial neural networks, geostatistical techniques (such as kriging, cokriging, stochastic simulation and regularization, texture classification, fractals, per-parcel classification, raster and vector data integration and process modelling. The range of applications includes land cover and land use mapping, cloud tracking, snow cover mapping and air temperature monitoring,

topographic mapping, geological classification and soil erosion modelling. This book will be valuable to both researchers and advanced students of remote sensing and GIS. It contains several new approaches, recent developments, and novel applications of existing techniques. Most chapters report the results of experiment and investigation. Some chapters form broad reviews of recent developments in the field. In all cases, the mathematical basis is fully explained. Fenner and White's Medical Virology, Fifth Edition provides an integrated view of related sciences, from cell biology, to medical epidemiology and human social behavior. The perspective represented by this book, that of medical virology as an infectious

disease science, is meant to provide a starting point, an anchor, for those who must relate the subject to clinical practice, public health practice, scholarly research, and other endeavors. The book presents detailed exposition on the properties of viruses, how viruses replicate, and how viruses cause disease. These chapters are then followed by an overview of the principles of diagnosis, epidemiology, and how virus infections can be controlled. The first section concludes with a discussion on emergence and attempts to predict the next major public health challenges. These form a guide for delving into the specific diseases of interest to the reader as described in Part II. This lucid and concise, yet

comprehensive, text is admirably suited to the needs of not only advanced students of science and medicine, but also postgraduate students, teachers, and research workers in all areas of virology. Features updated and expanded coverage of pathogenesis and immunity Contains the latest laboratory diagnostic methods Provides insights into clinical features of human viral disease, vaccines, chemotherapy, epidemiology, and control
Volume 2: Applied Virology Approaches Related to Human, Animal and Environmental Pathogens
Oral Microbiology and Immunology
Global Virology III: Virology in the 21st Century
Virus-Host Interactions

Current Protocols in Immunology
Virology
Morphology Feature extraction Computational linguistics Phonetics Pragmatics Semantic Web Information retrieval
"Chan and Ridley write with an urgency...that inspires gripping depictions of what viruses are, how infectious-disease laboratories work and wonderfully lucid descriptions of bats. . . . They powerfully recount how dangerous pathogens can both leak from a lab and

emerge in nature." (New York Times Book Review) Understanding how Covid-19 started is crucial for the future of humankind. Viral is the most incisive and authoritative book about the search for the source of the virus. A new virus descended on the human species in 2019 wreaking unprecedented havoc. Finding out where it came from and how it first jumped into people is an urgent priority, but early expectations that this would prove an easy question to answer have been dashed. Nearly two years into the

pandemic, the crucial mystery of the origin of SARS-CoV-2 is not only unresolved but has deepened. In this uniquely insightful book, a scientist and a writer join forces to try to get to the bottom of how a virus whose closest relations live in bats in subtropical southern China somehow managed to begin spreading among people more than 1,500 kilometres away in the city of Wuhan. They grapple with the baffling fact that the virus left none of the expected traces that such outbreaks usually create: no

infected market animals or wildlife, no chains of early cases in travellers to the city, no smouldering epidemic in a rural area, no rapid adaptation of the virus to its new host—human beings. To try to solve this pressing mystery, Viral delves deep into the events of 2019 leading up to 2021, the details of what went on in animal markets and virology laboratories, the records and data hidden from sight within archived Chinese theses and websites, and the clues that can be coaxed from the very text of the virus's own

genetic code. The result is a gripping detective story that takes the reader deeper and deeper into a metaphorical cave of mystery. One by one the authors explore promising tunnels only to show that they are blind alleys, until, miles beneath the surface, they find themselves tantalisingly close to a shaft that leads to the light.

Over 50% of known flaviviruses have been associated with human disease. The Flavivirus genus constitutes some of the most serious human pathogens including

Japanese encephalitis, dengue and yellow fever. Flaviviruses are known for their complex life cycles and epidemic spread, and are considered a globally-emergent viral threat. Pathogenesis and Immunity, the second volume of The Flaviviruses, examines the processes by which the flaviviruses cause disease, the different cytopathic effects and the associated immunopathological responses produced in their hosts. * Comprehensive approach to the scientific disciplines needed to unravle the complexities of virus-host

interactions. * New, detailed information on the pathogenesis and immunology of the Flavivirus family. * Descibes the technologies that have contributed to our current knowledge about the Flaviviruses. * Identifies the major problems faced in attempting to further understand the virus-host interactions that result in disease. * An exhaustive compendium of current and past knowledge on the Flavivirus family As an important part of the conference, the workshop special session program will focus on new research challenges and

initiatives The workshops may have special invited sessions organized by prominent researchers Each paper will be allocated 4 pages in the proceedings and all papers accepted for workshops will be included in the Workshop Proceedings published by the IEEE Computer Society Press that is indexed by EI, and will be available at the workshops

How to Write and Publish a Scientific Paper

2019 IEEE 9th International Conference on Electronics Information and Emergency

Communication (ICEIEC)
Advances in Remote Sensing and GIS Analysis
The Flaviviruses: Pathogenesis and Immunity
Citespace
Discoverers and Discoveries, Inventors and Inventions, Developers and Technologies

This is a new and updated version of the highly successful book Medicine and the Internet (OUP 1995). Specially designed for anyone in the medical professions who would like to get started on the internet, or to use it more effectively, this edition contains new chapters on

the internet's rolein telemedicine and on how to become an internet provider yourself.

The author explores the underlying conditions that would create a bird flu pandemic, examines the ways in which the public can protect themselves and their families, and describes what can be done to reduce the likelihood of spreading this disease.

The scope of this conference is Microelectronics, Nanoelectronics, Smart and Secure Electronic Devices, Photonic Devices, MEMS, and NEMS

Virus Structure covers the full spectrum of modern structural virology. Its goal is to describe the means for defining moderate to high resolution structures and the

basic principles that have emerged from these studies. Among the topics covered are Hybrid Vigor, Structural Folds of Viral Proteins, Virus Particle Dynamics, Viral Gemone Organization, Enveloped Viruses and Large Viruses. Covers viral assembly using heterologous expression systems and cell extracts Discusses molecular mechanisms in bacteriophage T7 procapsid assembly, maturation and DNA containment Includes information on structural studies on antibody/virus complexes

Annals of Library Science and Documentation

2018 International Conference on Emerging Trends and Innovations in Engineering and Technological Research

(ICETIETR)
Final Report
The Foundations of Virology
The Immortal Life of Henrietta Lacks
Immunoregulation

This volume provides an excellent survey of the chemistry, microbiology, pharmacology and clinical use of the oral cephalosporins in general and the newer agents in particular. The cephalosporins have long provided satisfactory treatment for many

disorders without causing serious side effects; and over the past fifty years forms with different antimicrobial, pharmacologic and toxicologic properties have been developed. Despite the broad spectrum of their activity against a large variety of gram-positive and gram-negative bacteria, the third-generation oral cephalosporins including the prodrug esters do not work against Pseudomonas aeruginosa, methicillin-resistant

staphylococci, enterococci or Bacteroides species. Many, however, are suitable for treating infections of the respiratory and urinary tracts and of the skin and its structure, as well as certain sexually-transmitted diseases. Authors consider other possible uses, against multi-resistant Enterobacteriaceae for instance, but also point out the limitations of the oral cephalosporins. For those working in the fields of infectious disease,

bacteriology, chemotherapy, pharmaceutics and pharmacokinetics, this book is a valuable source of authoritative information.
Immunoregulation is one of the areas which has witnessed the most explosive advances of immunology during the past decade. It is in this area that the current view of the immune system has arisen and developed. There is indeed little doubt that immune reactions are primarily determined by messages which

are genera ted within the immune system and passed among different types of immunologie cells. This cell communication not only determines the type, intensity and duration of the response after perturbation of the immune system by exogenous antigens, but it is also essential for preventing autoimmune reactions and their clinical conse quences. In order to assure aperfect balance within the enormous com plexity of the immune system, it is

not surprising that multiple self-regulatory mechanisms are organized at different levels, such as antibody feedback, idiotypic-anti-idiotypic responses, suppres sor and helper T cells, lymphokine signals and genetic require ments. A nu mb er of observations in recent years have, however, demonstrated that consistent contributions to the immunological homeostasis are given also by signals generated outside of the immune system,

namely,in the central and autonomous nervous system as weIl as in the endocrine apparatus. Furthermore, the interactions between the immune system and the other body homestatic mechanisms seem to be bidirectional: if immunological cells may be targets of neuroendocrinological factors, immunological products seem in turn to contribute to the neuro endocrine homeostasis.

Virus-Host Interactions: Methods and

Protocols covers various aspects of virological research, such as biochemical approaches, including molecular interactions and regulatory mechanisms on the protein as well as the RNA level with a strong focus on the manifold possibilities to study protein-protein interactions, as well as cell biological and immunological methodologies. Viruses represent a reduced form of life that depends on host cells for propagation. To this

end, viruses approach and penetrate cells and usurp cellular machineries for their own benefit. Recent technological improvements have enabled the systematic analysis of the virus-host interplay be it on the genomic, the transcriptomic, or proteomic level. In parallel, bioinformatic tools have emerged in support of the large datasets generated by these high-throughput approaches. Written in the successful Methods in Molecular Biology

series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible protocols, and notes on troubleshooting and avoiding known pitfalls. Authoritative and easily accessible, Virus-Host Interactions: Methods and Protocols will prove invaluable to professionals and novices with its well-honed methodologies and protocols.

#1 NEW YORK TIMES BESTSELLER • “The story of modern medicine and bioethics—and, indeed, race relations—is refracted beautifully, and movingly.”—Entertainment Weekly NOW A MAJOR MOTION PICTURE FROM HBO® STARRING OPRAH WINFREY AND ROSE BYRNE • ONE OF THE “MOST INFLUENTIAL” (CNN), “DEFINING” (LITHUB), AND “BEST” (THE PHILADELPHIA INQUIRER) BOOKS OF THE DECADE • ONE OF ESSENCE’S 50 MOST IMPACTFUL BLACK BOOKS OF THE PAST 50

YEARS • WINNER OF THE CHICAGO TRIBUNE HEARTLAND PRIZE FOR NONFICTION NAMED ONE OF THE BEST BOOKS OF THE YEAR BY The New York Times Book Review • Entertainment Weekly • O: The Oprah Magazine • NPR • Financial Times • New York • Independent (U.K.) • Times (U.K.) • Publishers Weekly • Library Journal • Kirkus Reviews • Booklist • Globe and Mail Her name was Henrietta Lacks, but scientists know her as HeLa. She was a poor Southern tobacco farmer

who worked the same land as her slave ancestors, yet her cells—taken without her knowledge—became one of the most important tools in medicine: The first “immortal” human cells grown in culture, which are still alive today, though she has been dead for more than sixty years. HeLa cells were vital for developing the polio vaccine; uncovered secrets of cancer, viruses, and the atom bomb’s effects; helped lead to important advances like in vitro

fertilization, cloning, and gene mapping; and have been bought and sold by the billions. Yet Henrietta Lacks remains virtually unknown, buried in an unmarked grave. Henrietta's family did not learn of her "immortality" until more than twenty years after her death, when scientists investigating HeLa began using her husband and children in research without informed consent. And though the cells had launched a multimillion-dollar industry that sells

human biological materials, her family never saw any of the profits. As Rebecca Skloot so brilliantly shows, the story of the Lacks family—past and present—is inextricably connected to the dark history of experimentation on African Americans, the birth of bioethics, and the legal battles over whether we control the stuff we are made of. Over the decade it took to uncover this story, Rebecca became enmeshed in the lives of the Lacks

family—especially Henrietta's daughter Deborah. Deborah was consumed with questions: Had scientists cloned her mother? Had they killed her to harvest her cells? And if her mother was so important to medicine, why couldn't her children afford health insurance? Intimate in feeling, astonishing in scope, and impossible to put down, The Immortal Life of Henrietta Lacks captures the beauty and drama of scientific discovery, as well as its

human consequences.
ASM News
From Basic Science to Clinical Prevention
Current Protocols in Molecular Biology
Methods and Protocols
Molecular Biology and Pathogenesis
Bird Flu

The Novartis Foundation Series is a popular collection of the proceedings from Novartis Foundation Symposia, in which groups of leading scientists from a range of topics across

biology, chemistry and medicine assembled to present papers and discuss results. The Novartis Foundation, originally known as the Ciba Foundation, is well known to scientists and clinicians around the world.

Emerging and Reemerging Viral Pathogens: Applied Virology Approaches Related to Human, Animal and Environmental Pathogens, Volume Two presents new research information on viruses and their impact on the scientific community. It provides a reference book on certain viruses in humans, animals and vegetal, along with a comprehensive discussion on interspecies interactions. The book then looks

at the drug, vaccine and bioinformatical strategies that can be used against these viruses, giving the reader a clear understanding of transmission. The book's end goal is to create awareness that the appearance of newly transmissible pathogens is a global risk that requires shared/adoptable policies for prevention and control. Covers most emerging viral disease in humans, animals and plants Provides the most advanced tools and techniques in molecular virology and the modeling of viruses Creates awareness that the appearance of new transmissible pathogens is a global risk Highlights the need to adopt shared

policies for the prevention and control of infectious diseases

Global Virology, Volume III: Virology in the 21st Century examines work that has been undertaken, or is planned, in several fields of virology, in an effort to promote current and future work, research, and health. Fields and methods addressed include virology, immunology, space research, astrovirology/astrobiology, plasmids, swarm intelligence, bioinformatics, data-mining, machine learning, neural networks, critical equations, and advances in biohazard biocontainment. Novel and forward-looking

methods, techniques, and approaches in research and development are presented by experts in the field.

For almost eight decades, the Device Research Conference (DRC) has brought together leading scientists, researchers and students to share their latest discoveries in device science, technology and modeling Notably, many of the first public disclosures of key device technologies were made at the DRC This year marks the 79th anniversary of the DRC the longest running device research meeting in the world As we commemorate this meeting, the high caliber technical sessions will be

highlighted by plenary talks and invited talks by international research pioneers and leaders behind modern electronic technology The 2021 Conference will feature 1) Informative, timely short courses in rapidly developing fields 2) Oral and poster presentations on electronic photonic device experiments and simulations 3) Plenary and invited presentations given by worldwide leaders 4) Evening rump session 5) Strong student participation and Student Paper Awards

Judging Research

The Nature of Viruses

Virus Structure

Viral

Introducing Online Resources and Terminology

Independent Review of the Role of Metrics in Research Assessment and Management

Co located and co budgeted with ICSE 2019

CiteSpace is a freely available computer program written in Java for visualizing and analyzing literature of a scientific domain. A knowledge domain is broadly defined in order to capture the notion of a logically and cohesively organized body of knowledge. It may range from specific topics such as post-traumatic stress disorder to fields of study lacking clear-cut boundaries, such as research on terrorism or regenerative

medicine. CiteSpace takes bibliographic information, especially citation information from the Web of Science, and generates interactive visualizations. Users can explore various patterns and trends uncovered from scientific publications, and develop a good understanding of scientific literature much more efficiently than they would from an unguided search through literature. The full text of many scientific publications can be accessed with a single click through the interactive visualization in CiteSpace. At the end of a session, CiteSpace can generate a summary report to summarize key information about the literature analyzed. This book is a practical guide

not only on how to operate the tool but also on why the tool is designed and what implications of various patterns that require special attention. This book is written with a minimum amount of jargon. It uses everyday language to explain what people may learn from the writings of scholars of all kinds.

Web Intelligence (WI) aims to achieve a multi disciplinary balance between research advances in the fields of collective intelligence, data science, human centric computing, knowledge management, and network science It is committed to addressing research that deepens the understanding of computational, logical, cognitive, physical as well as business and

social foundations of the future Web, and enables the development and application of intelligent technologies WI features high quality, original research papers and real world applications in all theoretical and technological areas that make up the field of WI
2019 IEEE WIC ACM International Conference on Web Intelligence (WI)
Medicine and the Internet

The Search for the Origin of COVID-19
2016 2nd International Conference on Electrical, Computer and Telecommunication Engineering (ICECTE)

Principles and Applications