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Care for Your Guinea Pig 2004 A title in the popular RSPCA pet care series, which is being relaunched with completely revised and updated content and fresh new covers. Written by animal experts, these illustrated guides provide all the practical advice needed to care for your pet. This easy-to-use family guide is full of helpful advice on how to choose a guinea pig and how best to look after it. All aspects of daily care are covered, including housing, feeding, hygiene, grooming, health, and first aid. This practical guide is clearly illustrated with colour photographs throughout, and is published in association with the RSPCA, the UK's leading animal welfare charity.

Hyderabad, the Social Context of Industrialisation, 1875-1948 Si. Vi Subbārāvu 2007

Diet in Typhoid Fever .. John B Nichols 2021-09-09 This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. To ensure a quality reading experience, this work has been proofread and republished using a format that seamlessly blends the original graphical elements with text in an easy-to-read typeface. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

The Backyard Homestead Carleen Madigan 2009-01-01 Suggests organic methods for growing plants and raising animals on a small plot of land, explains how to determine the proper times for planting, and provides tips for using and preserving food.

The Dish Penny Isaacs 2009-02-14 In this book the authors detail key psychological strategies, conversational gambits, what to wear/what not to wear, what food and drink to serve and even décor choices (yes!) to come out smiling in a series of increasingly important social situations – culminating in hosting your engagement party, if that’s what you’re after!

Bigger Bolder Baking Gemma Stafford 2019 More than 100 accessible, flavor-packed recipes, using only common ingredients and everyday household kitchen tools, from YouTube celebrity Gemma Stafford

Ten Little Fingers Arvind Gupta 2001

The Molecule of More Daniel Z. Lieberman 2018-08-14 Why are we obsessed with the things we want only to be bored when we get them? Why is addiction perfectly logical to an addict? Why does love change so quickly from passion to indifference? Why are some people die-hard liberals and others hardcore conservatives? Why are we always hopeful for solutions even in the darkest times—and so good at figuring them out? The answer is found in a single chemical in your brain: dopamine. Dopamine ensured the survival of early man. Thousands of years later, it is the source of our most basic behaviors and cultural ideas—and progress itself. Dopamine is the chemical of desire that always asks for more—more stuff, more stimulation, and more surprises. In pursuit of these things, it is undeterred by emotion, fear, or morality. Dopamine is the source of our every urge, that little bit of biology that makes an ambitious business professional sacrifice everything in pursuit of success, or that drives a satisfied spouse to risk it all for the thrill of someone new. Simply put, it is why we seek and succeed; it is why we discover and prosper. Yet, at the same time, it's why we gamble and squander. From dopamine's point of view, it's not the having that matters. It's getting something—anything—that's new. From this understanding—the difference between possessing something versus anticipating it—we can understand in a revolutionary new way why we behave as we do in love, business, addiction, politics, religion—and we can even predict those behaviors in ourselves and others. In *The Molecule of More: How a Single Chemical in Your Brain Drives Love, Sex, and Creativity—and will Determine the Fate of the Human Race*, George Washington University professor and psychiatrist Daniel Z. Lieberman, MD, and Georgetown University lecturer Michael E. Long present a potentially life-changing proposal: Much of human life has an unconsidered component that explains an array of behaviors previously thought to be unrelated, including why winners cheat, why geniuses often suffer with mental illness, why nearly all diets fail, and why the brains of liberals and conservatives really are different.

Lal Kitab U. C. Mahajan 2004-08-22 The Lal Kitab, a rare book in urdu, was popular in north-west India, Pakistan, Iran and many other countries. This English version has added new dimensions to make it more lucid and easier to understand.

Mudraraksasa (The Signet Ring of Rakshasa) Vishakadatta 2004-08 Mudraraksasa Is A Historical Play Of The Nataka Type In Seven Acts Written By Vishakadatta In 6Th Century A.D., In Which Chanakya, The Minister Of King Chandragupta Of Pataliputra, Wins Over Rakshasa, The Minister Of The Nandas To The Side Of Chandragupta. It Is An Unique Play In Many Respects. The Play Is Based On A Political Theme And It Bears Testimony To The Consummate Skill Of Visakhadatta As A Dramatist. It Does Not Present Any Of The Recognized Dramatic Sentiments (Rasa), But Introduces A New, Hitherto Unrecognized Sentiment Of Intense Rivalry Between Two Sharp-Witted Ministers Dedicated To The Service Of Their Respective Kings.

The Crisis of Secularism in India Anuradha Dingwaney Needham 2007-01-18 In this timely, nuanced collection, twenty leading cultural theorists assess the contradictory ideals, policies, and practices of secularism in India.

Professor Astro Cat's Atomic Adventure Dominic Walliman 2016-03 Professor Astro Cat is back to explain the world of physics!

Desiring God John Piper 1996 Insightful and heart-warming, this classic book is written for those who seek to know God better. It unfolds life-impacting, biblical truths and has been called a "soul-stirring celebration of the pleasures of knowing God."

The Caraka samhita Caraka 1949

Premchand - Short Stories Premchand 2012-08

Power Foods for the Brain Neal D Barnard 2013-02-19 Strengthen your memory with New York Times bestselling author Dr. Neal Barnard's simple 3-step plan to protecting your brain with your diet. Could your breakfast or lunch be harming your memory? Are you missing out on the foods that could prevent Alzheimer's disease? Everyone knows good nutrition supports your overall health, but few realize that certain foods-power foods-can protect your brain and optimize its function, and even dramatically reduce your risk of Alzheimer's Disease. Now, New York Times bestselling author, clinical researcher and health advocate Dr. Neal Barnard has gathered the most up-to-date research and created a groundbreaking program that can strengthen your memory and protect your brain's health. In this effective 3-step plan Dr. Barnard reveals which foods to increase in your diet and which to avoid, and shows you specific exercises and supplements that can make a difference. It will not only help boost brain health, but it can also reduce your risk of Alzheimer's disease, stroke, and other less serious malfunctions such as low energy, poor sleep patterns, irritability, and lack of focus. You'll discover: The best foods to increase cognitive function Dairy products and meats-the dangers they may pose to your memory The surprising roles alcohol and caffeine play in Alzheimer's risk The latest research on toxic metals, like aluminum found in cookware, soda cans, and common antacids. Plus a detailed menu plan, recipes and time-saving kitchen tips

Vaginal Hysterectomy Shirish S Sheth 2001-11-08 In recent years advances in laparoscopic technologies have led to renewed interest in the vaginal approach to hysterectomy, which has many proven benefits for patients. This volume, dedicated to explaining and promoting the vaginal route of hysterectomy, is written and edited by an international team of experts and provides a much-needed source of

The Life of a Wannabe Mogul Bella Thorne 2020-09-08 INSTANT NATIONAL BESTSELLER The Life of a Wannabe Mogul: Mental Disarray, Bella Thorne's collection of illuminating and inspiring poems chronicles her personal struggles, relationships, and wild-child lifestyle, all with her trademark wit and wisdom.

Musculoskeletal MRI E-Book Nancy M. Major 2019-10-04 Ideal for residents, practicing radiologists, and fellows alike, this updated reference offers easy-to-understand guidance on how to approach musculoskeletal MRI and recognize abnormalities. Concise, to-the-point text covers MRI for the entire musculoskeletal system, presented in a highly templated format. Thoroughly revised and enhanced with full-color artwork throughout, this resource provides just the information you need to perform and interpret quality musculoskeletal MRI. Includes the latest protocols, practical advice, tips, and pearls for diagnosing conditions impacting the temporomandibular joint, shoulder, elbow, wrist/hand, spine, hips and pelvis, knee, and foot and ankle. Follows a quick-reference format throughout, beginning with basic technical information on how to obtain a quality examination, followed by a discussion of the normal appearance and the abnormal appearance for each small unit that composes a joint. Depicts both normal and abnormal anatomy, as well as disease progression, through more than 600 detailed, high-quality images, most of which are new to this edition. Features key information boxes throughout for a quick review of pertinent material.

Thumri in Historical and Stylistic Perspectives Peter Manuel 1989 Historical study of thumri, semiclassical genre of north Indian music.

Symphonies & Scorpions Gerald Elias 2019-07-02 "...an amazing journey...nothing less than a musical

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odyssey of discovery," is how iBerkshires hailed the first edition of Symphonies & Scorpions. Now, with captioned black & white photos, In Symphonies & Scorpions you'll get an insider's view of the glamour and the drudgery of an international concert tour to China and Japan, and gain deep insight into music as an instrument of citizen diplomacy. You'll sit on the hallowed stage of Symphony Hall in Boston and in concert halls in Asia, meeting congenial and occasionally cantankerous colleagues, listening to the Maestro's words of debated wisdom. You'll fly nonstop from Boston to Tokyo, dine on succulent Peking duck, squirm through Beijing alleys crowded with scorpion vendors, and be spiritually restored in a Tokyo park floating in tranquility. This second, enhanced edition of Symphonies & Scorpions adds Elias's prize-winning essay, "War & Peace. And Music," featured in his TEDxSaltLakeCity performance of September, 2019. A preface to the new edition also tackles the tumultuous issue of sexual misconduct by luminaries in the classical music world. This painstakingly revised edition is a must not only for music lovers but also for anyone interested in understanding and enriching human relations at home and abroad.

Thor: The Mighty Avenger (2010), Volume 2 Roger Langridge 2020 Collects Thor the Mighty Avenger #5-8 & Journey Into Mystery #85-86. He's banished, he's mad, and he wants to fight. The God of Thunder is reimagined in THOR THE MIGHTY AVENGER! THRILL as he battles robots the size of cities! GASP as he tames the mightiest sea creatures! SWOON as he rescues damsels from the vilest villains!

Black Knights: On the Bloody Road to Baghdad Oliver Poole 2018-08-17 This is the 'Band of Brothers' story of the American soldiers ordered to topple Saddam Hussein - told by the British reporter sent to share their lives, hopes and fears. The American tank company known as the 'Black Knights' were among the first units of the US 3rd Infantry Division to see combat when, twelve hours after entering Iraq, they helped seize a major airfield. Eight hundred miles and almost a month later, they led the American army as it advanced into the outskirts of Baghdad, through positions held by thousands of Republican Guards. By the time the first statues of Saddam were toppled, the soldiers had been through a terrifying baptism of fire - and had inflicted terrible casualties on the Iraqis. The things they did and saw on that deadly trek into the heart of the Iraqi state would change them all for ever.

Neck and Shoulder Pain 2010

Yogi Adityanath Pravin Kumar (Journalist) 2017

How Volcanoes Work 1987

Superman: A Celebration of 75 Years Jerry Siegel 2013-11-26 When Superman debuted seventy-five years ago, it was not merely the beginning for one character, but for an entire genre. The phrase "super hero" had yet to be coined when ACTION COMICS #1 hit newsstands in 1938, but once Superman entered the scene, effortlessly lifting a car above his head on that first iconic cover, the character paved the way for each of the hundreds (if not thousands) of super-powered heroes written since. SUPERMAN: A CELEBRATION OF 75 YEARS gathers a range of stories featuring the first and greatest super hero, highlighting the many roles the Man of Steel has played over the decades. In these celebrated stories, Superman is in turns the Herculean champion, the lonely alien survivor, the super-powered Boy Scout and the soul-searching leader. Over the course of seventy-five years, watch as the character grows from a simple strongman to the beloved international symbol he is today! This Volume Collects: ("Superman, Champion of the Oppressed") / ("War in San Monte") -- ACTION COMICS #1-2 (1938) Writer: Jerry Siegel, Artist: Joe Shuster "How Superman Would End the War" -- Look Magazine (1940) Writer: Jerry Siegel, Artist: Joe Shuster "Man or Superman?" -- SUPERMAN #17 (1942) Writer: Jerry Siegel, Penciller: Joe Shuster, Inker: Joe Sikela "The Origin of Superman" -- SUPERMAN #53 (1948) Writer: Bill Finger, Penciller:

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Wayne Boring, Inker: Stan Kaye "The Mightiest Team in the World" -- SUPERMAN #76 (1952) Writer: Edmond Hamilton, Penciller: Curt Swan, Inker: John Fishchetti "The Super-Duel in Space" -- ACTION COMICS #242 (1958) Writer: Otto Binder, Artist: Al Plastino "The Girl From Superman's Past" -- SUPERMAN #129 (1959) Writer: Bill Finger, Penciller: Wayne Boring, Inker: Stan Kaye "Superman's Return to Krypton" -- SUPERMAN #141 (1960) Writer: Jerry Siegel, Penciller: Wayne Boring, Inker: Stan Kaye "The Death of Superman" -- SUPERMAN #149 (1961) Writer: Jerry Siegel, Penciller: Curt Swan, Inker: George Klein "Must There Be a Superman?" -- SUPERMAN #247 (1972) Writer: Eliot S. Maggin, Penciller: Curt Swan, Inker: Murphy Anderson "Rebirth" -- ACTION COMICS #544 (1983) Writer: Marv Wolfman, Artist: Gil Kane "The Living Legends of Superman" (excerpt) -- SUPERMAN #400 (1985) Writer: Elliot S. Maggin, Artist: Frank Miller "For the Man Who Has Everything" -- SUPERMAN ANNUAL #11 (1985) Writer: Alan Moore, Artist: Dave Gibbons "The Name Game" -- SUPERMAN #11 (1987) Writer/Penciller: John Byrne, Inker: Karl Kesel "Doomsday" -- SUPERMAN #75 (1993) Writer/Penciller: Dan Jurgens, Inker: Brett Breeding "What's So Funny About Truth Justice and the American Way?" -- ACTION COMICS #775 (2001) Writer: Joe Kelly, Pencillers: Doug Mahnke, Lee Bermejo Inkers: Tom Nguyen, Dexter Vines, Jim Royal, Jose Marzan, Jr., Wade Von Grawbadger, Wayne Faucher "Question of Confidence" -- Mythology: The DC Comics Art of Alex Ross (2003) Writer: Chip Kidd, Artist: Alex Ross "The Incident" -- ACTION COMICS #900 (2011) Writer: David S. Goyer, Artist: Miguel Sepulveda "The Boy Who Stole Superman's Cape" -- ACTION COMICS #0 (2012) Writer: Grant Morrison, Artist: Ben Oliver

Adaptive Radiation Therapy X. Allen Li 2011-01-27 Modern medical imaging and radiation therapy technologies are so complex and computer driven that it is difficult for physicians and technologists to know exactly what is happening at the point-of-care. Medical physicists responsible for filling this gap in knowledge must stay abreast of the latest advances at the intersection of medical imaging and radiation therapy. This book provides medical physicists and radiation oncologists current and relevant information on Adaptive Radiation Therapy (ART), a state-of-the-art approach that uses a feedback process to account for patient-specific anatomic and/or biological changes, thus delivering highly individualized radiation therapy for cancer patients. The book should also benefit medical dosimetrists and radiation therapists. Adaptive Radiation Therapy describes technological and methodological advances in the field of ART, as well as initial clinical experiences using ART for selected anatomic sites. Divided into three sections (radiobiological basis, current technologies, and clinical applications), the book covers: Morphological and biological biomarkers for patient-specific planning Design and optimization of treatment plans Delivery of IMRT and IGRT intervention methodologies of ART Management of intrafraction variations, particularly with respiratory motion Quality assurance needed to ensure the safe delivery of ART ART applications in several common cancer types / anatomic sites The technology and methodology for ART have advanced significantly in the last few years and accumulated clinical data have demonstrated the need for ART in clinical settings, assisted by the wide application of intensity modulated radiation therapy (IMRT) and image-guided radiation therapy (IGRT). This book shows the real potential for supplying every patient with individualized radiation therapy that is maximally accurate and precise.

Limiting Secularism Priya Kumar 2008-01-01 With a backdrop of religious violence and escalating regional tensions in South Asia, Priya Kumar's Limiting Secularism probes the urgent topic of secularism and tolerance in Indian culture and life. Kumar explores Partition as the founding trauma of the Indian nation-state and traces the consequences of its marking off of "Indian" from "Pakistani" and the positioning of Indian Muslims as strangers within the nation. Kumar unpacks the implications of the Nehruvian doctrine of tolerance-with all of its resonances of condescension and inequality-and asks whether more ethical cohabitation can replace the "arrogant compulsive tolerance" of the state and the majority. Informed by Jacques Derrida's recent work on hospitality and living together, Kumar argues for

the emergence of an “ethics of coexistence” in Indian fiction and film. Considering narratives ranging from the cosmopolitan English novels of Rushdie and Ghosh to literature in South Asian languages as well as recent Hindi cinema, Kumar demonstrates that these fictions are important resources for reimagining tolerance and coexistence. Distinctive and timely in its investigation of secularism and communalism, *Limiting Secularism* works to envision the radical possibilities of going beyond tolerance to living well together. Priya Kumar is associate professor of English at the University of Iowa.

Madhushala Baccana 1989

From Volga to Ganga Rahul Sankrityayan 2021-03

The History of Akbar Abū al-Faḍl ibn Muḥarrak 2014 *The History of Akbar* by Abu'l-Fazl is one of the most important works of Indo-Persian history and a touchstone of prose artistry. In this volume, Humayun's turbulent reign ends, and Akbar ascends his father's throne.

Chanakya Neeti Chanakya 2021-11-18 The original Chanakya Neeti was written over two thousand years ago, but its brilliant verses are still applicable today because the basic quests of man remain the same—peace, prosperity and happiness. Imbibe Chanakya's wisdom to break loose from the web of troubles and create the life you desire on your terms. It is a treatise on the ideal way of life and shows Chanakya's deep study of the Indian way of life. Chanakya is regarded as a great thinker and diplomat in India. The book portrays about his ideologies and ideas in diverse situations, which are pertinent even to today's times. The topics discussed in this book are morality, ethics, governance and several others.

The Girl on the Train Paula Hawkins 2015-01-13 The #1 New York Times Bestseller, USA Today Book of the Year, now a major motion picture starring Emily Blunt. The debut psychological thriller that will forever change the way you look at other people's lives, from the author of *Into the Water* and *A Slow Fire Burning*. “Nothing is more addicting than *The Girl on the Train*.”—*Vanity Fair* “*The Girl on the Train* has more fun with unreliable narration than any chiller since *Gone Girl*. . . . [It] is liable to draw a large, bedazzled readership.”—*The New York Times* “*Marries* movie noir with novelistic trickery. . . hang on tight. You'll be surprised by what horrors lurk around the bend.”—*USA Today* “Like its train, the story blasts through the stagnation of these lives in suburban London and the reader cannot help but turn pages.”—*The Boston Globe* “*Gone Girl* fans will devour this psychological thriller.”—*People* EVERY DAY THE SAME Rachel takes the same commuter train every morning and night. Every day she rattles down the track, flashes past a stretch of cozy suburban homes, and stops at the signal that allows her to daily watch the same couple breakfasting on their deck. She's even started to feel like she knows them. Jess and Jason, she calls them. Their life--as she sees it--is perfect. Not unlike the life she recently lost. UNTIL TODAY And then she sees something shocking. It's only a minute until the train moves on, but it's enough. Now everything's changed. Unable to keep it to herself, Rachel goes to the police. But is she really as unreliable as they say? Soon she is deeply entangled not only in the investigation but in the lives of everyone involved. Has she done more harm than good?

Dengue World Health Organization 2009 This publication is intended to contribute to prevention and control of the morbidity and mortality associated with dengue and to serve as an authoritative reference source for health workers and researchers. These guidelines are not intended to replace national guidelines but to assist in the development of national or regional guidelines. They are expected to remain valid for five years (until 2014), although developments in research could change their validity.--
Publisher's description

Lattice dynamics Johan Tidholm 2020-11-02 The reason to perform calculations in material science usually falls into one of two categories: to predict or explain the origin of material properties. This thesis covers first-principle calculations for solids at extreme conditions, from both of the two mentioned categories. I primarily have studied the effects of high-pressure and high-temperature on lattice dynamics, mechanical and electronic properties. To treat the effects of temperature, ab initio molecular dynamics (AIMD) simulations and self-consistent phonon calculations, based on density functional theory, have been utilised. These approaches account for the temperature effects by considering thermally excited supercells as samples of a statistical ensemble. To extract properties from this representation, I have used methods which maps the supercell data to a unit cell representation or fits it to a simple model Hamiltonian. The small displacement method was used to analyse the dynamical stability for nitrides and polymorphs of silica, synthesised at high-pressure in a diamond anvil cell. The nitride compounds consist of a high amount of nitrogen either as chains, forming a porous framework together with transition metal atoms or as dinitrogen molecules, occupying the channels of the framework. The nitrogen chains consist of single- or double-bonded nitrogen atoms, making these compounds highly energetic. Polymorphs of silica can be used to model deep Earth liquids. These new polymorphs, named coesite-IV and coesite-V, consist of four-, five-, and six-oriented silicon. Some of the octahedra of the six-oriented silicon atoms, of these new phases, are sharing faces, which according to Pauling's third rule would make them highly unstable. My phonon calculations indicate these phases to be dynamically stable. Furthermore, my calculations predict higher compressibility for these new phases compared to the competing ones. By modelling silicate melts with coesite-IV and coesite-V, a more complex and compressible structure is expected, affecting the predicted seismic behaviour. I studied Kohn anomalies for body-centered cubic niobium by simulating this material with self-consistent phonon calculations. The electronic structure was studied by using a band unfolding technique, for which I obtained an effective unit cell representation of the electronic structure at elevated temperatures. Temperature primarily smeared the electronic states but did not induce significant shifts of the bands. In parallel, the anharmonicity of this system was studied using the temperature dependent effective potential method. Even close to the melting temperature, this element is remarkably harmonic. The experimentally observed disappearance of the Kohn anomalies with increased temperature is predominantly dependent, according to my calculations, on the temperature-induced smearing of the electronic states. Using stress-strain relations, accurate high-temperature elastic properties were predicted for $\text{Ti}_{0.5}\text{Al}_{0.5}\text{N}$. The simulations were performed with AIMD. The stresses were fitted using the least-squares method to a linear expression from which the elastic constants were derived. The results were compared with previously performed calculations that employed additional approximations. The results of the symmetry imposed force constant temperature dependent effective potential (SIFC-TDEP) method agrees well with our results. I also compared my results with TiN calculations that employed a similar methodology. My and the SIFC-TDEP results are reporting lower values for the polycrystalline moduli than the calculations for TiN. The data I generated were also used for a machine learned interatomic potential method, where moment tensor potentials were trained and evaluated, using this data. Den här avhandlingen handlar om beräkningar för material. När materialberäkningar utförs är det antingen för att förutsäga eller förklara egenskaper. De beräkningar som jag har gjort i denna avhandling är baserade på fundamentala fysiska lagar. Detta betyder att de är rent baserade på teori, och inte har anpassats efter resultat av experiment. Jag har i mitt arbete använt mig mycket utav en teori som kallas gitter dynamik. Den är definierad för periodiska material, det vill säga att atomerna i dessa material upprepas i periodiska mönster. Vi kan då anta att det finns en jämviktspunkt för alla atomerna, som de vibrerar omkring. Dessa vibrationer kan beskrivas som om atomerna påverkar varandra med fiktiva fjädrar. Genom att beräkna styrkan för dessa fjädrar kan vi beskriva vibrationerna av atomerna. Dessa vibrationer i sin tur är avgörande för materialets egenskaper. För att beskriva ett material vid en specifik temperatur har jag använt mig utav olika metoder för att simulera det. En simulering kan ses som ett "dator experiment". Problemet är dock hur vi

ska mäta egenskaperna i simuleringen. Ju större och mera komplex en simulering är, desto svårare blir det att beräkna egenskaperna av det simulerade materialet. Vi hamnar i en situation likt den vi skulle befinna oss om vi hade gjort ett experiment i verkligheten, och tvingas använda förenklade modeller för att kunna tolka resultatet. Jag har därför använt mig utav metoder för att utvinna vibrationer av atomer, elektrontillstånd eller elastiska egenskaper, specifikt utvecklade för att användas på denna typ utav simuleringar. Mitt arbete har kretsat kring hur dessa egenskaper påverkas av extrema temperaturer och tryck. De beräkningar jag har utfört vid höga tryck har varit för nyupptäckta nitrider och faser av kiseldioxid. Nitriderna är porösa material som innehåller en stor mängd kväve. Det höga kväveinnehållet gör så att det lagras en stor mängd kemisk energi i enkel- och dubbelbindningar mellan kväveatomerna. De nya faserna av kiseldioxid har en betydelse för vår förståelse av jordens inre. Deras existens öppnar upp för att det kan finnas mera komplexa och ihoptryckbara flytande material, under jordens nedre mantel, än vad tidigare har varit antaget. Mina beräkningar har bekräftat strukturerna för dessa nyupptäckta material. Vid höga temperaturer har jag studerat för metallen niob hur vibrationerna av atomerna är relaterade till olika elektrontillstånd. För specifika vibrationer ökar frekvensen med ökad temperatur. Detta är något ovanligt eftersom vibrationernas frekvenser vanligtvis brukar minska med ökad temperatur. Mina simulering för denna metal överensstämmer med resultat från experiment. Orsaken till varför visa vibrationers frekvenser ökar kan jag förklara med att elektrontillståndens enskilda energier varierar över tid på grund av den ökade temperaturen. Jag har även använt mig av simuleringar för att beräkna elastiska egenskaper av legeringen Ti_{0.5}Al_{0.5}N. Ti_{1-x}Al_xN legeringar används som beläggningar på skärverktyg som används för metall. För att öka effektiviteten av beläggningen, behövs det detaljerad kunskap av dess mekaniska egenskaper för den temperatur som de används vid. Jag beräknade därför så noggrant som möjligt de elastiska egenskaperna för Ti_{0.5}Al_{0.5}N. Dessa beräkningar är avsedda för att användas som en referens för andra beräkningsmässigt billigare metoder. Datan som genererades från mina simuleringar användes även för en sådan metod, baserad på maskininlärning.

A New English-Hindustani Dictionary S. W. Fallon 1883

Kretek Mark Hanusz 2000

The Incredible History of India's Geography Sanjeev Sanyal 2017-11-28 Could you be related to a blonde Lithuanian? Did you know that India is the only country that has both lions and tigers? Who found out how tall Mt Everest is? If you've ever wanted to know the answers to questions like these, this is the book for you. In here you will find various things you never expected, such as the fact that we still greet each other like the Harappans did and that people used to think India was full of one-eyed giants. And, sneakily, you'll also know more about India's history and geography by the end of it. Full of quirky pictures and crazy trivia, this book takes you on a fantastic journey through the incredible history of India's geography.

The Story of My Experiments with Truth 2022