

Free download Inferior how science got women wrong and the new research that s rewriting the story [PDF]

Inferior Inferior Women in Science Nobel Prize Women in Science Success Strategies From Women in STEM Women in Science Little People, BIG DREAMS: Women in Science Women's Science She Persisted in Science Pathways, Potholes, and the Persistence of Women in Science Ten Women Who Changed Science, and the World The Only Woman in the Room Becoming Leaders The Science on Women and Science The Mind Has No Sex? Headstrong Black Women in Science Forces of Nature Superior Equity for Women in Science Women of Science What Do Women Want? Invisible Women Geek Nation A Lab of One's Own The Madame Curie Complex How Women Can Make It Work Do Babies Matter? Navigating Academia: A Guide for Women and Minority STEM Faculty Women in Wildlife Science 101 Awesome Women Who Transformed Science Promising Practices for Addressing the Underrepresentation of Women in Science, Engineering, and Medicine Women and Health Women, Science, and Technology Women in Science: Materials Women After All: Sex, Evolution, and the End of Male Supremacy Pioneers of Science and Technology The Gendered Brain Forgotten Women: The Leaders Knowing Her Place

Inferior

2017-05-30

what science has gotten so shamefully wrong about women and the fight by both female and male scientists to rewrite what we thought we knew for hundreds of years it was common sense women were the inferior sex their bodies were weaker their minds feeble their role subservient no less a scientist than charles darwin asserted that women were at a lower stage of evolution and for decades scientists most of them male of course claimed to find evidence to support this whether looking at intelligence or emotion cognition or behavior science has continued to tell us that men and women are fundamentally different biologists claim that women are better suited to raising families or are more gently uniquely empathetic men on the other hand continue to be described as excelling at tasks that require logic spatial reasoning and motor skills but a huge wave of research is now revealing an alternative version of what we thought we knew the new woman revealed by this scientific data is as strong strategic and smart as anyone else in inferior acclaimed science writer angela saini weaves together a fascinating and sorely necessary new science of women as saini takes readers on a journey to uncover science's failure to understand women she finds that we're still living with the legacy of an establishment that's just beginning to recover from centuries of entrenched exclusion and prejudice sexist assumptions are stubbornly persistent even in recent years researchers have insisted that women are choosy and monogamous while men are naturally promiscuous or that the way men's and women's brains are wired confirms long discredited gender stereotypes as saini reveals however groundbreaking research is finally rediscovering women's bodies and minds inferior investigates the gender wars in biology psychology and anthropology and delves into cutting edge scientific studies to uncover a fascinating new portrait of women's brains bodies and role in human evolution

Inferior

2018-03-08

taking us on a journey through science the book challenges our preconceptions about men and women investigating the ferocious gender wars that burn in biology psychology and anthropology the author revisits the landmark experiments that have informed our understanding lays bare the problem of bias in research and speaks to the scientists finally exploring the truth about the female sex the result is an account of women's minds bodies and evolutionary history interrogating what these revelations mean for us as individuals and as a society the book unveils a fresh view of science in which women are included rather than excluded

Women in Science

2017-03-09

a gloriously illustrated celebration of trailblazing women women in science highlights the contributions of fifty notable women to the stem fields of science technology engineering and mathematics from both the ancient and modern worlds the book also contains fascinating infographics and an illustrated scientific glossary the extraordinary women profiled include well known figures like the physicist and chemist marie curie as well as lesser known pioneers such as katherine johnson the african american mathematician who calculated the trajectory of the apollo 11 mission to the moon women in science celebrates the achievements of the intrepid women who have paved the way for the next generation of female engineers biologists mathematicians doctors astronauts physicists and beyond

Nobel Prize Women in Science

2001-04-12

since 1901 there have been over three hundred recipients of the nobel prize in the sciences only ten of themâ about 3 percentâ have been women why in this updated version of nobel prize women in science sharon bertsch mcgrayne explores the reasons for this astonishing disparity by examining the lives and achievements of fifteen women scientists who either won a nobel prize or played a crucial role in a nobel prize winning project the book reveals the relentless discrimination these women faced both as students and as researchers their success was due to the fact that they were passionately in love with science the book begins with marie curie the first woman to win the nobel prize in physics readers are then introduced to christiane nusslein volhard emmy noether lise meitner barbara mcclintock chien shiung wu and rosalind franklin these and other remarkable women portrayed here struggled against gender discrimination raised families and became political and religious leaders they were mountain climbers musicians seamstresses and gourmet cooks above all they were strong joyful women in love with discovery nobel prize women in science is a startling and revealing look into the history of science and the critical and inspiring role that women have played in the drama of scientific progress

Success Strategies From Women in STEM

2015-06-11

success strategies from women in stem a portable mentor second edition is a comprehensive and accessible manual containing career

advice mentoring support and professional development strategies for female scientists in the stem fields this updated text contains new and essential chapters on leadership and negotiation important coverage of career management networking social media communication skills and more the work is accompanied by a companion website that contains annotated links a list of print and electronic resources self directed learning objects frequently asked questions and more with an increased focus on international relevance this comprehensive text contains shared stories and vignettes that will help women pursuing or involved in stem careers develop the necessary professional and personal skills to overcome obstacles to advancement preserves the style and tone of the first edition by bringing together mentors trainees and early career professionals in a series of conversations about important topics related to careers in stem fields such as leadership time stress negotiation networking social media and more identifies strategies that can improve career success along with stories that elucidate engage and inspire companion website provides authoritative information from successful women engaged in stem careers including annotated links to key organizations associations granting agencies teaching support materials and more

Women in Science

1990

women in science boxed set includes marie curie ada lovelace and amelia earhart

Little People, BIG DREAMS: Women in Science

2018-10-04

are there places where women succeed in science numerous studies in recent years document a gender gap in science and engineering showing women s interest in these fields declines from grade school to adulthood women s science expands our conception of scientific practice as it reconfigures both women s role in science and the meaning of science in contemporary society

Women's Science

1998-11-15

a stem focused addition to the 1 new york times bestselling she persisted series throughout history women have been told that science isn t for them they ve been told that they re not smart enough or that their brains just aren t able to handle it in this book chelsea clinton

introduces readers to women scientists who didn't listen to those who told them no and who used their smarts their skills and their persistence to discover invent create and explain she persisted in science is for everyone who's ever had questions about the world around them or the way things work and who won't give up until they find their answers with engaging artwork by alexandra boiger accompanying the inspiring text this is a book that shows readers that everyone has the potential to make a difference and that women in science change our world this book features florence nightingale rebecca lee crumpler ynes enriquetta julietta mexia grace hopper rosalind franklin gladys west jane goodall flossie wong staal temple grandin zaha hadid ellen ochoa dr mona hanna attisha mari copeny and autumn peltier greta thunberg wanjiru wathuti praise for she persisted a lovely moving work of children's literature and a polished introduction to a diverse and accomplished group of women publishers weekly starred review exemplary this well curated list will show children that women's voices have made themselves emphatically heard booklist she persisted will remind little girls that they can achieve their goals if they don't let obstacles get in the way family circle we can't wait to grab a copy for some of the awesome kids in our lives and maybe some of the grown ups too bustle a message we all need to hear scary mommy praise for she persisted in science this inspiring collective biography provides a host of role models for young readers school library journal

She Persisted in Science

2022-03-01

training for and pursuing a career in science can be treacherous for women many more begin than ultimately complete at every stage characterizing this as a pipeline problem however leads to a focus on individual women instead of structural conditions the goal of the book is to offer an alternative model that better articulates the ideas of agency constraint and variability along the path to scientific careers for women the chapters in this volume apply the metaphor of the road to a variety of fields and moments that are characterized as exits pathways and potholes the scholars featured in this volume engaged purposefully in translation of sociological scholarship on gender work and organizations they focus on the themes that emerge from their scholarship that add to or build on our existing knowledge of scientific work while identifying tools as well as challenges to diversifying science this book contains a multitude of insights about navigating the road while training for and building a career in science collectively the chapters exemplify the utility of this approach provide useful tools and suggest areas of exploration for those aiming to broaden the participation of women and minorities although this book focuses on gendered constraints we are attentive to fact that gender intersects with other identities such as race ethnicity and nativity both of which influence participation in science several chapters in the volume speak clearly to the experience of underrepresented minorities in science and others consider the circumstances and integration of non u s born scientists referred to in this volume as international scientists disaggregating gender deepens our understanding and illustrates how identity shapes the contours of the scientific road

Pathways, Potholes, and the Persistence of Women in Science

2016-05-16

these minibiographies of women who persisted will move anyone with an avid curiosity about the world publishers weekly with a foreword by athene donald professor of experimental physics university of cambridge and master of churchill college ten women who changed science tells the moving stories of the physicists biologists chemists astronomers and doctors who helped to shape our world with their extraordinary breakthroughs and inventions and outlines their remarkable achievements these scientists overcame significant obstacles often simply because they were women their science and their lives were driven by personal tragedies and shaped by seismic world events what drove these remarkable women to cure previously incurable diseases disprove existing theories or discover new sources of energy some were rewarded with the nobel prize for their pioneering achievements madame curie twice others were not and even if they had been many are still not the household names they should be despite living during periods when the contribution of women was disregarded if not ignored these resilient women persevered with their research whether creating life saving drugs or expanding our knowledge of the cosmos by daring to ask how and why and persevering against all odds each of these women in a variety of ways has helped to make the world a better place the scientists are henrietta leavitt united states astronomy lise meitner austria physics chien shiung wu united states physics marie curie france chemistry dorothy crowfoot hodgkin united kingdom chemistry virginia apgar united states medicine gertrude elion united states medicine rita levi montalchini italy biology elsie widdowson united kingdom biology rachel carson united states biology

Ten Women Who Changed Science, and the World

2019-02-07

one of washington post s notable nonfiction books of the year a bracingly honest exploration of why there are still so few women in stem fields beautifully written and full of important insights washington post in 2005 when lawrence summers then president of harvard asked why so few women even today achieve tenured positions in the hard sciences eileen pollack set out to find the answer a successful fiction writer pollack had grown up in the 1960s and 70s dreaming of a career as a theoretical astrophysicist denied the chance to take advanced courses in science and math she nonetheless made her way to yale there despite finding herself far behind the men in her classes she went on to graduate summa cum laude with honors as one of the university s first two women to earn a bachelor of science degree in physics and yet isolated lacking in confidence starved for encouragement she abandoned her ambition to become a physicist years later spurred by the suggestion that innate differences in scientific and mathematical aptitude might account for the dearth of tenured female

faculty at summer's institution Pollack thought back on her own experiences and wondered what if anything had changed in the intervening decades based on six years interviewing her former teachers and classmates as well as dozens of other women who had dropped out before completing their degrees in science or found their careers less rewarding than they had hoped. The only woman in the room is a bracingly honest no-holds-barred examination of the social, interpersonal, and institutional barriers confronting women and minorities in the STEM fields. This frankly personal and informed book reflects on women's experiences in a way that simple data can't. Documenting not only the more blatant bias of another era but all the subtle disincentives women in the sciences still face, the only woman in the room shows us the struggles women in the sciences have been hesitant to admit and provides hope for changing attitudes and behaviors in ways that could bring far more women into fields in which even today they remain seriously underrepresented.

The Only Woman in the Room

2016-09-06

In this second edition, Williams and Emerson update their popular handbook for professional women in engineering, science, and technology with timely information and practical tips for career success.

Becoming Leaders

2019

In 2007, the National Academy of Sciences released *Beyond Bias and Barriers: Fulfilling the Promise of Women in Academic Science and Engineering*, an influential study suggesting that women face a hostile environment in the laboratory. The NAS report dismissed the possibi-

The Science on Women and Science

2009

A reexamination of the origins of modern science discovers a forgotten heritage of women scientists and probes the cultural and historical forces that continue to shape the course of scientific scholarship and knowledge.

The Mind Has No Sex?

1991-03

fifty two inspiring and insightful profiles of history's brightest female scientists rachel swaby's no nonsense and needed headstrong dynamically profiles historically overlooked female visionaries in science technology engineering and math elle in 2013 the new york times published an obituary for yvonne brill it began she made a mean beef stroganoff followed her husband from job to job and took eight years off from work to raise three children it wasn't until the second paragraph that readers discovered why the times had devoted several hundred words to her life brill was a brilliant rocket scientist who invented a propulsion system to keep communications satellites in orbit and had recently been awarded the national medal of technology and innovation among the questions the obituary and consequent outcry prompted were who are the role models for today's female scientists and where can we find the stories that cast them in their true light headstrong delivers a powerful global and engaging response covering nobel prize winners and major innovators as well as lesser known but hugely significant scientists who influence our every day rachel swaby's vibrant profiles span centuries of courageous thinkers and illustrate how each one's ideas developed from their first moment of scientific engagement through the research and discovery for which they're best known this fascinating tour reveals 52 women at their best while encouraging and inspiring a new generation of girls to put on their lab coats

Headstrong

2015-04-07

learn about amazing black women in science 15 fascinating biographies for kids 9 to 12 throughout history black women have blazed trails across the fields of science technology engineering and mathematics black women in science brings something special to black history books for kids celebrating incredible black women in stem who have used their brains bravery and ambition to beat the odds black women in science stands out amongst other black history books for kids featuring 15 powerful stories of fearless female scientists that advanced their stem fields and fought to build a legacy through the triumphs of these amazing women you'll find remarkable role models black women in science goes where black history books for kids have never gone before including above and beyond soar over adversity with mae jemison annie easley and bessie coleman part of the solution discover the power of mathematics with katherine johnson and gladys west the doctor is in explore a life of healing with mamie phipps clark jane cooke wright and many more find the inspiration to blaze your own trail in black women in science maybe your adventure will be the next chapter in black history books for kids

Black Women in Science

2022-05-24

from the ancient world to the present women have been critical to the progress of science yet their importance is overlooked their stories lost distorted or actively suppressed forces of nature sets the record straight and charts the fascinating history of women s discoveries in science in the ancient and medieval world women served as royal physicians and nurses taught mathematics studied the stars and practiced midwifery as natural philosophers physicists anatomists and botanists they were central to the great intellectual flourishing of the scientific revolution and the enlightenment more recently women have been crucially involved in the manhattan project pioneering space missions and much more despite their record of illustrious achievements even today very few women win nobel prizes in science in this thoroughly researched authoritative work you will discover how women have navigated a male dominated scientific culture showing themselves to be pioneers and trailblazers often without any recognition at all included in the book are the stories of hypatia of alexandria one of the earliest recorded female mathematicians maria cunitz who corrected errors in kepler s work emmy noether who discovered fundamental laws of physics vera rubin one of the most influential astronomers of the twentieth century jocelyn bell burnell who helped discover pulsars

Forces of Nature

2021-04-20

2019 best of lists 10 best science books of the year smithsonian magazine best science books of the year npr s science friday best science and technology books from 2019 library journal an astute and timely examination of the re emergence of scientific research into racial differences superior tells the disturbing story of the persistent thread of belief in biological racial differences in the world of science after the horrors of the nazi regime in world war ii the mainstream scientific world turned its back on eugenics and the study of racial difference but a worldwide network of intellectual racists and segregationists quietly founded journals and funded research providing the kind of shoddy studies that were ultimately cited in richard herrnstein and charles murray s 1994 title the bell curve which purported to show differences in intelligence among races if the vast majority of scientists and scholars disavowed these ideas and considered race a social construct it was an idea that still managed to somehow survive in the way scientists thought about human variation and genetics dissecting the statements and work of contemporary scientists studying human biodiversity most of whom claim to be just following the data angela saini shows us how again and again even mainstream scientists cling to the idea that race is biologically real as our understanding of complex traits like intelligence and the effects of environmental and cultural influences on human beings from the

molecular level on up grows the hope of finding simple genetic differences between races to explain differing rates of disease to explain poverty or test scores or to justify cultural assumptions stubbornly persists at a time when racialized nationalisms are a resurgent threat throughout the world superior is a rigorous much needed examination of the insidious and destructive nature of race science and a powerful reminder that biologically we are all far more alike than different

Superior

2019-05-21

the first large scale empirical analysis of the gender gap in science showing how the structure of scientific labor and rewards publications citations funding systematically obstructs women s career advancement if current trends continue women and men will be equally represented in the field of biology in 2069 in physics math and engineering women should not expect to reach parity for more than a century the gender gap in science and technology is narrowing but at a decidedly unimpressive pace and even if parity is achievable what about equity equity for women in science the first large scale empirical analysis of the global gender gap in science provides strong evidence that the structures of scientific production and reward impede women s career advancement to make their case cassidy r sugimoto and vincent larivière have conducted scientometric analyses using millions of published papers across disciplines the data show that women are systematically denied the chief currencies of scientific credit publications and citations the rising tide of collaboration only exacerbates disparities with women unlikely to land coveted leadership positions or gain access to global networks the findings are unequivocal when published men are positioned as key contributors and women are relegated to low visibility technical roles the intersecting disparities in labor reward and resources contribute to cumulative disadvantages for the advancement of women in science alongside their eye opening analyses sugimoto and larivière offer solutions the data themselves point the way showing where existing institutions fall short a fair and equitable research ecosystem is possible but the scientific community must first disrupt its own pervasive patterns of gatekeeping

Equity for Women in Science

2023-03-21

women of science is a collection of essays dealing with contributions women have made to various scientific disciplines written by women scientists in those disciplines the areas covered are astronomy archaeology biology chemistry crystallography engineering geology mathematics medicine and physics the women who have written these essays are for the most part not professional historians but rather

scientific professionals who felt the necessity of researching the contributions women have made to the development of their fields the essays are unique not only because they recover lost women who made significant contributions to their disciplines but also because they are written with a depth of understanding that only a scientist working in a specific area can have the essays will be of interest not only to students especially women students of science who may be unaware of the many contributions women have made but also to readers of the history of science whose texts more often than not fail to include the work of most women scientists

Women of Science

1993

in this headline making book daniel bergner turns everything we thought we knew about women's desire on its head drawing on extensive research and interviews with renowned behavioural scientists sexologists psychologists and everyday women daniel bergner asks do women really crave intimacy and emotional connection are women more disposed to sex with strangers or multiple partners than either science or society have ever let on and is the fairer sex actually more sexually aggressive and anarchic than men

What Do Women Want?

2013-06-20

the sunday times number one bestseller over half a million copies sold discover the shocking gender bias that affects our everyday lives hell yes this is one of those books that has the potential to change things a monumental piece of research caitlin moran imagine a world where your phone is too big for your hand your doctor prescribes a drug that is wrong for your body in a car accident you are 47 more likely to be injured if any of that sounds familiar chances are you're a woman from government policy and medical research to technology workplaces and the media invisible women reveals how in a world built for and by men we are systematically ignoring half of the population often with disastrous consequences caroline criado perez brings together for the first time an impressive range of case studies stories and new research from across the world that illustrate the hidden ways in which women are forgotten and the profound impact this has on us all find out more in caroline's new podcast visible women a book that changes the way you see the world sunday times revelatory frightening hopeful jeanette winterson

Invisible Women

2019-03-07

india it s a nation of geeks swots and nerds almost one in five of all medical and dental staff in the uk is of indian origin and one in six employed scientists with science or engineering doctorates in the us is asian by the turn of the millennium there were even claims that a third of all engineers in silicon valley were of indian origin with indians running 750 of its tech companies at the dawn of this scientific revolution geek nation is a journey to meet the inventors engineers and young scientists helping to give birth to the world s next scientific superpower a nation built not on conquest oil or minerals but on the scientific ingenuity of its people angela saini explains how ancient science is giving way to new and how the technology of the wealthy are passing on to the poor delving inside the psyche of india s science hungry citizens she explores the reason why the government of the most religious country on earth has put its faith in science and technology through witty first hand reportage and penetrative analysis geek nation explains what this means for the rest of the world and how a spiritual nation squares its soul with hard rationality full of curious colourful characters and gripping stories it describes india through its people a nation of geeks curious colourful characters and gripping stories it describes india through its people a nation of geeks

Geek Nation

2011-03-03

a beautifully written kirkus reviews starred review memoir manifesto from the first female director of the national science foundation about the entrenched sexism in science the elaborate detours women have take to bypass the problem and how to fix the system if you think sexism thrives only on wall street or hollywood you haven t visited a lab a science department a research foundation or a biotech firm rita colwell is one of the top scientists in america the groundbreaking microbiologist who discovered how cholera survives between epidemics and the former head of the national science foundation but when she first applied for a graduate fellowship in bacteriology she was told we don t waste fellowships on women a lack of support from some male superiors would lead her to change her area of study six times before completing her phd a lab of one s own is an engaging booklist book that documents all colwell has seen and heard over her six decades in science from sexual harassment in the lab to obscure systems blocking women from leading professional organizations or publishing their work along the way she encounters other women pushing back against the status quo including a group at mit who revolt when they discover their labs are a fraction of the size of their male colleagues resistance gave female scientists special gifts forced to change specialties so many times they came to see things in a more interdisciplinary way which turned out to be key to making new discoveries in the 20th and 21st centuries colwell would also witness the advances that could be made when men and women worked

together often under her direction such as when she headed a team that helped to uncover the source of anthrax used in the 2001 letter attacks a lab of one's own is an inspiring read for women embarking on a career or experiencing career challenges library journal starred review that shares the sheer joy a scientist feels when moving toward a breakthrough and the thrill of uncovering a whole new generation of female pioneers it is the science book for the metoo era offering an astute diagnosis of how to fix the problem of sexism in science and a celebration of women pushing back

A Lab of One's Own

2020-08-04

the historian and author of lillian gilbreth examines the great man myth of science with profiles of women scientists from marie curie to jane goodall why is science still considered to be predominantly male profession in the madame curie complex julie des jardin dismantles the myth of the lone male genius reframing the history of science with revelations about women's substantial contributions to the field she explores the lives of some of the most famous female scientists including jane goodall the eminent primatologist rosalind franklin the chemist whose work anticipated the discovery of dna's structure roselyn yalow the nobel prize winning physicist and of course marie curie the nobel prize winning pioneer whose towering mythical status has both empowered and stigmatized future generations of women considering a life in science with lively anecdotes and vivid detail the madame curie complex reveals how women scientists have changed the course of science and the role of the scientist throughout the twentieth century they often asked different questions used different methods and came up with different groundbreaking explanations for phenomena in the natural world

The Madame Curie Complex

2010-03-01

condensing and interpreting an enormous body of social science research this book helps young women survive and thrive in their careers in a recent survey working women in the millennial generation aged from 22 to 35 reported persistent concerns of gender bias in the form of inequitable pay scales corporate cultures that favor men stereotypes few women among the top echelons of the organization and barriers to balancing work and family clearly women continue to face significant obstacles to success in the workplace despite the progress that has occurred in recent decades how women can make it work the science of success will help gen x y and z women who are recent high school or college grads in their first or second job or new moms weighing decisions about working achieve success and satisfaction in their careers the information in this book is also invaluable for managers and counselors who work with young women and

want to understand the issues they may be facing

How Women Can Make It Work

2011-05-03

the new generation of scholars differs in many ways from its predecessor of just a few decades ago academia once consisted largely of men in traditional single earner families today men and women fill the doctoral student ranks in nearly equal numbers and most will experience both the benefits and challenges of living in dual income households this generation also has new expectations and values notably the desire for flexibility and balance between careers and other life goals however changes to the structure and culture of academia have not kept pace with young scholars desires for work family balance do babies matter is the first comprehensive examination of the relationship between family formation and the academic careers of men and women the book begins with graduate students and postdoctoral fellows moves on to early and mid career years and ends with retirement individual chapters examine graduate school how recent phd recipients get into the academic game the tenure process and life after tenure the authors explore the family sacrifices women often have to make to get ahead in academia and consider how gender and family interact to affect promotion to full professor salaries and retirement concrete strategies are suggested for transforming the university into a family friendly environment at every career stage the book draws on over a decade of research using unprecedented data resources including the survey of doctorate recipients a nationally representative panel survey of phds in america and multiple surveys of faculty and graduate students at the ten campus university of california system

Do Babies Matter?

2013-06-13

navigating academia a guide for women and minority stem faculty explores the infrastructure of the academy and provides a systematic account of where and why women and minorities fall behind men in the preparation for and development of their academic careers this book offers useful strategies for recruiting retaining and advancing women and minorities chapters include testimonials from faculty and administrators about how they made their ascent within the academy navigating academia a guide for women and minority stem faculty also discusses how to modify and expand faculty recruiting programs how to diversify search committees how to encourage intervention by deans and how to assess past hiring efforts this guide is an important resource for women and minorities seeking success in the academy as well as for administrators focused on faculty and professional development outlines barriers and challenges that this

population is confronted with and provides several solutions and approaches for combating these issues includes insightful testimonials from contributors at various stages in their academic careers identifies critical success paths of a professional support network psn and pinpoints what components of the psn are needed and how to acquire them

Navigating Academia: A Guide for Women and Minority STEM Faculty

2014-12-08

the first book to address the challenges and opportunities for women especially from underrepresented communities in wildlife professions women in wildlife science is dedicated to the work of promoting diversity equity and inclusion in the field of wildlife conservation and management editors carol l chambers and kerry l nicholson have collaborated with a diverse group of contributors to review the history analyze the status and celebrate the achievements of women in wildlife science they share proven models and proposals for new methods to increase the inclusion of women in wildlife professions based on an intersectional framework centering perspectives from lgbtq bipoc indigenous and other marginalized communities women in wildlife science is a groundbreaking and vitally important book covering academic and professional spheres the book lays bare the challenges women face entering and excelling in the field of wildlife conservation and management illustrated by personal stories of struggle and victory and grounded in peer reviewed scientific literature unavailable anywhere else in order to move the discourse around diversity in the wildlife profession forward the team of contributors chambers and nicholson have assembled tackle pivotal issues from recruitment into academic programs to hiring practices and supporting career advancement in federal state local tribal and private sectors opening with the stories of wildlife s founding women and a concise presentation of facts and figures clarifying recent trends and the current state of women in the field the heart of the book is then dedicated to sharing practical advice about how to increase recognize and encourage women s contributions each chapter includes original exercises constructed to help administrators educators managers allies and mentors move intentions into action focused attention is given to mentoring early career professionals indigenous women and women of color women in wildlife science is a pragmatic guide to ensuring a more diverse just and equitable future for a workforce dedicated to preserving not just wildlife but the very fabric of the natural world

Women in Wildlife Science

2022-11

careers in science engineering and medicine offer opportunities to advance knowledge contribute to the well being of communities and

support the security prosperity and health of the united states but many women do not pursue or persist in these careers or advance to leadership positions not because they lack the talent or aspirations but because they face barriers including implicit and explicit bias sexual harassment unequal access to funding and resources pay inequity higher teaching and advising loads and fewer speaking invitations among others there are consequences from this underrepresentation of women for the nation as well a labor shortage in many science engineering and medical professions that cannot be filled unless institutions and organizations recruit from a broad and diverse talent pool lost opportunities for innovation and economic gain and lost talent as a result of discrimination unconscious bias and sexual harassment promising practices for addressing the underrepresentation of women in science engineering and medicine reviews and synthesizes existing research on policies practices programs and other interventions for improving the recruitment retention and sustained advancement into leadership roles of women in these disciplines this report makes actionable recommendations to leverage change and drive swift coordinated improvements to the systems of education research and employment in order to improve both the representation and leadership of women

101 Awesome Women Who Transformed Science

2020-12

women and health is a comprehensive reference that addresses health issues affecting women of all ages from adolescence through maturity it goes far beyond other books on this topic which concentrate only on reproductive health and has a truly international perspective it covers key issues ranging from osteoporosis to breast cancer and other cancers domestic violence sexually transmitted diseases occupational hazards eating disorders heart disease and other chronic illnesses substance abuse and societal and behavioral influences on health in this second edition of women and health chapters thoughtfully explore the current state of women s health and health care including the influences of sex and gender on the occurrence of a wide variety of diseases and conditions all chapters have been extensively updated and emphasize the epidemiology of the condition the etiology occurrence primary and secondary prevention screening risk factors surveillance changing trends over time and critical analysis of the diagnostic and treatment options and controversies treatment sections in each chapter have been expanded to create a stronger dialogue between epidemiologists and women s health practitioners saves researchers and clinicians time in quickly accessing the very latest details on a broad range of women s health issues as opposed to searching through thousands of journal articles provides a common language for epidemiologists public health practitioners and women s health specialists to discuss the behavioral cultural and biological determinants of women s health researchers and medical specialists will learn how the gender specific risks and features of one organ system s diseases affect the health of other organ systems for example hormone replacement therapy used to treat imbalance within the endocrine system is also being used to prevent and treat cardiovascular disease drugs developed for type 2 diabetes are now being used in chemoprevention orients the non

gerontologist about the importance of considering the entire life cycle of women within research designs and treatment plans professors teaching courses in women s health will use slides and additional materials to structure lectures courses students will use slides as a unique resource to study for exams

Promising Practices for Addressing the Underrepresentation of Women in Science, Engineering, and Medicine

2020-04-19

this reader provides an introduction to the gendering of science and the impact women are making in laboratories around the world the republished essays included in this collection are both personal tales from women scientists and essays on the nature of science itself covering such controversial issues like the under representation of women in science reproductive technology sociobiology evolutionary theory and the notion of objective science

Women and Health

2012-12-31

the frontiers in materials editorial office team are delighted to present the inaugural women in science materials article collection showcasing the high quality work of women in science across the breadth of materials science and engineering all researchers featured within this collection were individually nominated by the topic editors in recognition of their status as leading academics who have great potential to influence the future directions of their respective fields the work presented here highlights the diversity of research performed across the entire breadth of the materials science and engineering field and presents advances in theory experimentation and methodology with applications for solving compelling problems this editorial features the corresponding author s of each paper published within this important collection ordered by section alphabetically highlighting them as the great researchers of the future the frontiers in materials editorial office team would like to thank each researcher who contributed their work to this collection we would also like to personally thank the topic editors for their exemplary leadership of this article collection their strong support and passion for this important community driven collection has ensured its success and global impact emily young journal development manager

Women, Science, and Technology

2001

a sparkling thought provoking account of sexual differences whether you re a man or a woman you ll find his conclusions gripping jared diamond there is a human genetic fluke that is surprisingly common due to a change in a key pair of chromosomes in the normal condition the two look the same but in this disorder one is malformed and shrunken beyond recognition the result is a shortened life span higher mortality at all ages an inability to reproduce premature hair loss and brain defects variously resulting in attention deficit hyperactivity conduct disorder hypersexuality and an enormous excess of both outward and self directed aggression it is called maleness melvin konner traces the arc of evolution to explain the relationships between women and men with patience and wit he explores the knotty question of whether men are necessary in the biological destiny of the human race he draws on multiple colorful examples from the natural world such as the mating habits of the octopus black widow angler fish and jacana and argues that maleness in humans is hardly necessary to the survival of the species in characteristically humorous and engaging prose konner sheds light on our biologically different identities while noting the poignant exceptions that challenge the male female divide we meet hunter gatherers such as those in botswana whose culture gave women a prominent place invented the working mother and respected women s voices around the fire recent human history has upset this balance as a dense world of war fostered extreme male dominance but our species has been recovering over the past two centuries and an unstoppable move toward equality is afoot it will not be the end of men but it will be the end of male supremacy and a better wiser world for women and men alike

Women in Science: Materials

2021-07-01

discover female innovators and inventors from past and present including rosalind franklin marie curie lisa meitner jane goodall katherine johnson chien shiung woo indira nath wanda diaz merced and many others

Women After All: Sex, Evolution, and the End of Male Supremacy

2015-03-09

barbie or lego reading maps or reading emotions do you have a female brain or a male brain or is that the wrong question on a daily basis

we face deeply ingrained beliefs that our sex determines our skills and preferences from toys and colours to career choice and salaries but what does this mean for our thoughts decisions and behaviour using the latest cutting edge neuroscience gina rippon unpacks the stereotypes that bombard us from our earliest moments and shows how these messages mould our ideas of ourselves and even shape our brains rigorous timely and liberating the gendered brain has huge repercussions for women and men for parents and children and for how we identify ourselves highly accessible revolutionary to a glorious degree observer

Pioneers of Science and Technology

2018

free sampler to say this series is empowering doesn't do it justice buy a copy for your daughters sisters mums aunts and nieces just make sure you buy a copy for your sons brothers dads uncles and nephews too indy100 the women who shaped and were erased from our history the forgotten women series will uncover the lost histories of the influential women who have refused over hundreds of years to accept the hand they've been dealt and as a result have formed shaped and changed the course of our futures the leaders weaves together 48 unforgettable portraits of the true pioneers and leaders who made huge yet unacknowledged contributions to history including grace o malley the 16th century irish pirate queen sylvia rivera who spearheaded the modern transgender rights movement agent 355 the unknown rebel spy who played a pivotal role in the american revolution noor inayat khan who went undercover to spy for the french resistance and became nazi enemy no 1 amina of zazzau the formidable ancient muslim warrior queen of northern nigeria chapters including rebels warriors rulers activists and reformers shine a spotlight on the rebellious women who defied the odds and the opposition to change the world around them this free sampler gives you a window into their inspiring yet hidden stories the number of nobel prize winning women

The Gendered Brain

2019-02-28

more women are studying science at university and they consistently outperform men yet still significantly fewer women than men hold prestigious jobs in science why should this occur what prevents women from achieving as highly as men in science and why are so few women positioned as creative genius research scientists drawing upon the views of 47 female and male scientists bevan and gatrell explore why women are less likely than men to become eminent in their profession they observe three mechanisms which perpetuate women's lowered place in science subtle masculinities whereby certain forms of masculinity are valued over womanhood motherhood in

which women's potential for maternity positions them as other and the image of creative genius which is associated with male bodies excluding women from research roles

Forgotten Women: The Leaders

2018-02-08

Knowing Her Place

2017-12-29

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