

American Institute Of Physics Journals

List of members in v. 1.

The Discovery of Global Warming

Online Journal Publishing Service

Style Manual for Guidance in the Preparation of Papers for Journals Published

Anxiety and the Equation

Journal of Applied Chemistry of the USSR.

Covers summary information for journal contributors, preparing a scientific paper for publication, general style, mathematical expressions, and figures.

Systemic Changes to Increase African Americans with Bachelor's Degrees in Physics and Astronomy

Mathematical and general

Soviet Physics, Crystallography

American Journal of Physics

Chinese Journal of Physics (Peking).

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Soviet Astronomy

Soviet Physics

Soviet Journal of Plasma Physics

AIP Translation Manual, for Editors and Translators of the

American Institute of Physics Cover-to-cover Translation Journals Style Manual for Guidance in the Preparation of Papers for Journals Published by the American Institute of Physics

A prismatic look at the meeting of Marie Curie and Albert Einstein and the impact these two pillars of science had on the world of physics, which was in turmoil. In 1911, some of the greatest minds in science convened at the First Solvay Conference in Physics, a meeting like no other. Almost half of the attendees had won or would go on to win the Nobel Prize. Over the course of those few days, these minds began to realize that classical physics was about to give way to quantum theory, a seismic shift in our history and how we understand not just our world, but the universe. At the center of this meeting were Marie Curie and a young Albert Einstein. In the years preceding, Curie had faced the death of her husband and soul mate, Pierre. She was on the cusp of being awarded her second Nobel Prize, but scandal erupted all around her when the French press revealed that she was having an affair with a fellow scientist, Paul Langevin. The subject of vicious misogynist and xenophobic attacks in the French press, Curie found herself in a storm that threatened her scientific legacy. Albert Einstein proved an supporter in her travails. They had an instant connection at Solvay. He was young and already showing flourishes of his enormous genius. Curie had been responsible for one of the greatest discoveries in modern science (radioactivity) but still faced resistance and scorn. Einstein recognized this grave injustice, and their mutual admiration and respect, borne out of this, their first meeting, would go on to serve them in their paths forward to making history. Curie and Einstein come alive as the complex people they were in the pages of *The Soul of Genius*. Utilizing never before seen correspondance and notes, Jeffrey Orens reveals the human side of these brilliant scientists, one who pushed boundaries and demanded equality in a man's world, no matter the cost, and the other, who was destined to become synonymous with genius.

Third series

Catalogue of Title-entries of Books and Other Articles Entered in the Office of the Librarian of Congress, at Washington, Under the Copyright Law ... Wherein the Copyright Has Been Completed by the Deposit of Two Copies in the Office

How Things Work

Marie Curie, Albert Einstein, and the Meeting that Changed the Course of Science

Optics and image science. A

TEAM-UP, the National Task Force to Elevate African American representation in Undergraduate Physics & Astronomy was chartered and funded by the American Institute of Physics (AIP) Board of Directors to examine the reasons for the persistent under-representation of African Americans in physics and astronomy in the US as measured by bachelor's degrees in these fields. This book is their detailed report which include recommendations. A Publication of the American Institute of Physics

Technical physics

The Journal of the Acoustical Society of America

Chinese Physics

Understanding Boltzmann's Entropy

A man and his equation: the anxiety-plagued nineteenth-century physicist who contributed

significantly to our understanding of the second law of thermodynamics. Ludwig Boltzmann's grave in Vienna's Central Cemetery bears a cryptic epitaph: $S = k \log W$. This equation was Boltzmann's great discovery, and it contributed significantly to our understanding of the second law of thermodynamics. In *Anxiety and the Equation*, Eric Johnson tells the story of a man and his equation: the anxiety-plagued nineteenth-century physicist who did his most important work as he struggled with mental illness. Johnson explains that “ S ” in Boltzmann's equation refers to entropy, and that entropy is the central quantity in the second law of thermodynamics. The second law is always on, running in the background of our lives, providing a way to differentiate between past and future. We know that the future will be a state of higher entropy than the past, and we have Boltzmann to thank for discovering the equation that underlies that fundamental trend. Johnson, accessibly and engagingly, reassembles Boltzmann's equation from its various components and presents episodes from Boltzmann's life—beginning at the end, with “ Boltzmann Kills Himself ” and “ Boltzmann Is Buried (Not Once, But Twice). ” Johnson explains the second law in simple terms, introduces key concepts through thought experiments, and explores Boltzmann's work. He argues that Boltzmann, diagnosed by his contemporaries as neurasthenic, suffered from an

anxiety disorder. He was, says Johnson, a man of reason who suffered from irrational concerns about his work, worrying especially about opposition from the scientific establishment of the day. Johnson's clear and concise explanations will acquaint the nonspecialist reader with such seemingly esoteric concepts as microstates, macrostates, fluctuations, the distribution of energy, log functions, and equilibrium. He describes Boltzmann's relationships with other scientists, including Max Planck and Henri Poincaré, and, finally, imagines “ an alternative ending, ” in which Boltzmann lived on and died of natural causes.

Soviet Journal of Nuclear Physics

Lectures on Theoretical Rheology

AIP Style Manual

The Time Is Now

Style Manual for Guidance in the Preparation of Papers for Journals Published by the American Institute of Physics and Its Member Societies

A capricious beast ever since the days when he had trudged around fossil lake basins in Nevada for his doctoral thesis, Broecker had been interested in sudden climate shifts. Here is his most surprising and important calculation.

Soviet Physics, Solid State

Current Catalog

*Journal of Experimental and Theoretical Physics
cumulative listing*

Journal of Physics A

Contains translations of articles from selected Chinese journals.

Catalog of Copyright Entries

Soviet Physics, JETP.

The Journal of Chemical Physics

Journals of the Century

The Outlook for Women in Chemistry

This book, first published in 2002, gathers some of America's top subject expert librarians to determine the most influential journals in their respective fields. 32 contributing authors reviewed journals from over twenty countries that have successfully shaped the evolution of their individual specialties worldwide. Their choices reflect the history of each discipline or profession, taking into account rivalries between universities, professional societies, for-profit and not-for-profit publishers, and even nation-states and international ideologies, in each journal's quest for reputational dominance. Each journal was judged using criteria such as longevity of publication, foresight in carving out its niche, ability to attract & sustain professional or academic affiliations, opinion leadership or agenda-setting power, and ongoing criticality to the study or practice of their field. The book presents wholly independent reviewers; none are in the employ of any publisher, but each is fully credentialed and well published, and many are award-winners. The authors guide college and professional school librarians on limited budgets via an exposition of their analytical and critical winnowing process in determining the

classic resources for their faculty, students, and working professional clientele.

Soviet Physics, Doklady

Journal of Applied Physics

JETP Letters

Science and Technology Act of 1958, 85-2 on S. 3126

Journal of the Optical Society of America