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Rutgers Physics News Incoming Assistant Prof. in Astrophysics, Blakesley Burkhart, has won the Annie Jump Cannon Award of the American Astronomical Society. The Annie Jump Cannon Award is for outstanding research and promise for future research by a postdoctoral woman researcher.

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Senior Physics - Extended Experimental Investigations

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The Feynman Lectures on Physics is a physics textbook based on some lectures by Richard P. Feynman, a Nobel laureate who has sometimes been called "The Great Explainer". The lectures were presented before undergraduate students at the California Institute of Technology (Caltech), during 1961â€“1963. The book's co-authors are Feynman, Robert B. Leighton, and Matthew Sands.

The Feynman Lectures on Physics - Wikipedia

Astrobiology is an interdisciplinary scientific field concerned with the origins, early evolution, distribution, and future of life in the universe. Astrobiology considers the question of whether extraterrestrial life exists, and how humans can detect it if it does. The term exobiology is similar.. Astrobiology makes use of molecular biology, biophysics, biochemistry, chemistry, astronomy ...

Astrobiology - Wikipedia

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Physics authors/titles "new" - arXiv

The objective of this course note is to survey practical and theoretical problems in classical thermodynamics. Topics covered includes: Thermodynamic system and control volume, Properties and state of a substance, Properties of a pure substance, Work and heat, The first law of thermodynamics, First law analysis for a control volume, The second law of thermodynamics, Entropy, Second law ...

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Physics in Medicine & Biology - IOPscience

8 The optimum concentration of glycerin was originally determined experimentally by the author to be about 60%, by volume, of the liquid detergent concentration, when the soap bubble solution

Chem and physics of soap bubbles part 1 - chymist.com

Biography. Kathryn M. Nelson is a Research Associate at the Institute for Therapeutics Discovery and Development at the University of Minnesota (UMN) in Minneapolis, MN. She graduated from the UMN College of Pharmacy in 2013, where she received her Ph.D. in Medicinal Chemistry. Her doctoral thesis work focused on the development of novel antitubercular agents and chemical tools for biological ...

The Essential Medicinal Chemistry of Curcumin - Journal of

Thyme (*Thymus vulgaris* L.) is a commonly used flavoring agent and medicinal herb. Several chemotypes of thyme, based on essential oil compositions, have been established, including (1) linalool; (2) borneol; (3) geraniol; (4) sabinene hydrate; (5) thymol; (6) carvacrol, as well as a number of multiple-component chemotypes. In this work, two different *T. vulgaris* essential oils were obtained ...

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Books - IOPscience

The nature of consciousness, the mechanism by which it occurs in the brain, and its ultimate place in the universe are unknown. We proposed in the mid 1990's that consciousness depends on biologically "orchestrated" coherent quantum processes in collections of microtubules within brain neurons, that these quantum processes correlate with, and regulate, neuronal synaptic and membrane ...

Consciousness in the universe: A review of the "Orch OR

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We argue that a new type of extremely light axion is generically present in the type IIB part of the string theory landscape. Its mass is suppressed by the third power of the warp factor of a strongly warped region (Klebanov-Strassler throat), suggesting the name thraxion.

High Energy Physics - Theory authors/titles "new"

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