

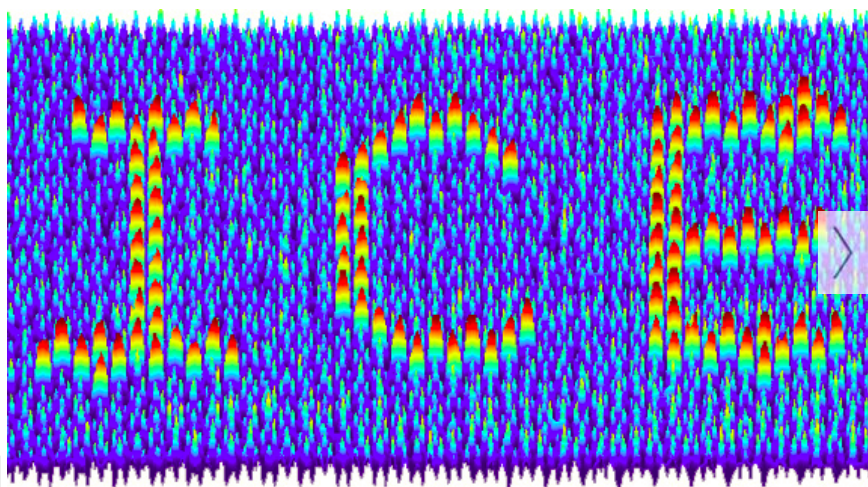
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Scientists Create 'Rewritable Magnetic Charge Ice'

A team of scientists led by Northern Illinois University physicist Zhili Xiao has created a new material, called "rewritable magnetic charge ice," that permits an unprecedented degree of control over local magnetic fields and could pave the way for new computing technologies.

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A team of researchers at MIT and elsewhere say they have made significant inroads toward understanding a process for improving perovskites' performance, by modifying the material using intense light.

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Washington State University and Tufts University researchers have developed a model of an important catalyst that could lead to cleaner, fuel efficient vehicles as well as advances in industrial processes for common products.

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Hot New Solar Cell

A team of MIT researchers has for the first time demonstrated a device based on a method that enables solar cells to break through a theoretically predicted ceiling on how much sunlight they can convert into electricity.

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Tasty Fat: X-rays Finding the Blueprint of Why Fat is Yummy

05.27.16 Researchers from the University of Guelph have visited the Advanced Photon Source at Argonne National Laboratory for the past three years to use the facility's bright X-rays to study the structure of edible fats, present in foods like oils, milk fat, cheese and much more.

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Cuing Environmental Responses in Fungi

05.27.16 Work led by researchers at the DOE JGI in collaboration with scientists from 31 research centers and universities in 13 countries has captured the genomic sequences of the Mucoromycotina fungi, allowing researchers to build a foundation for translating the fungi genomic potential into practical applications.

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Upgraded PIP-II RFQ Successfully Takes First Beam

05.25.16 In March, the Fermilab Accelerator Division successfully sent beam through a newly commissioned linear accelerator. The brand new radio-frequency quadrupole (RFQ) linac, designed and built by a team of engineers and physicists at Lawrence Berkeley National Laboratory, will be the start for a proposed upgrade to Fermilab's 800-MeV superconducting linear accelerator.

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U.S. Department of Energy
1000 Independence Ave., SW
Washington, DC 20585
(202) 586-5430



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