

Martin Green received the Global Energy Prize in 2018 for research, development and educational activities in the field of solar energy. Arthur Ashkin, a 96-year-old inventor and ...

Arthur Ashkin invented optical tweezers that grab particles, atoms and molecules with their laser beam fingers. Viruses, bacteria and other living cells can be held too, and examined and manipulated without being damaged. Ashkin's optical ...

Physicist Arthur Ashkin arrives at a ceremony honoring his Nobel Prize in physics. ... he became interested in solar power, and was working on a paper about low-cost-energy generation that ...

Obituary Arthur Ashkin (1922-2020) Physicist who won Nobel for optical tweezers that trap atoms and proteins. rthur Ashkin was the father of optical trapping. ... or the force generated by using the chemical energy of a single molecule of the energy-carrying molecule ATP. Ashkin was born in Brooklyn, New York, to immigrant parents from what ...

Arthur Ashkin, the Jewish American who on Tuesday became the oldest Nobel Prize laureate in history, said that even at 96 years old, science is still what motivates him each day.

From pv magazine España. On October 2, the Swedish Academy of Sciences awarded the Nobel Prize in Physics 2018 to three scientists: Arthur Ashkin (New York, United States), Donna Strickland (Guelph, Ontario, Canada), and Gérard Mourou (Albertville, France), for their contributions to the development of "light tools" and their studies on laser beams, with ...

Arthur Ashkin, a physicist who was awarded a 2018 Nobel Prize for figuring out how to harness the power of light to trap microscopic objects for closer study, calling his invention optical ...

A reader shares a report from Business Insider: Arthur Ashkin, the world's oldest Nobel Prize winner, [...] has turned the bottom floor of his house into a kind of laboratory where he's developing a solar-energy-harnessing device. Ashkin's new invention uses geometry to capture and funnel light. Essentially, it relies on reflective concentrator tubes that intensify ...

Arthur Ashkin, a physicist who was ... When he received word of his Nobel Prize, he was working on a project in his basement to improve solar energy collection. Asked if he was going to celebrate ...

The Nobel Prize in Physics 2018 was awarded "for groundbreaking inventions in the field of laser physics" with one half to Arthur Ashkin "for the optical tweezers and their application to biological systems", the other half jointly to Gérard Mourou and Donna Strickland "for their

method of generating high-intensity, ultra-short optical pulses

Arthur Ashkin "47CC hasn't exactly let old age slow him down. At ninety-six, he has just won the Nobel Prize in Physics, making him the oldest person ever to be named a Nobel laureate -- and he's still actively working. ... "I'm working on something new and important -- a paper on solar energy," Ashkin said. "The world badly ...

Ashkin, who holds 47 patents and has received numerous other awards over the years, retired from Bell Labs in 1992. However, he is still active in the scientific field and is currently writing a paper on the importance of solar energy and the effects of climate change.

Arthur Ashkin syntyi Brooklynessä; New Yorkissa vuonna 1922. Hän opiskeli Columbian yliopistossa, missä hän valmisti toisen maailmansodan aikana magnetroneja Yhdysvaltain asevoimien käyttöön. Hän vetäytyi myöskin asepalvelukseen, mutta hänen esimiehensä Sid Millman sai Ashkinin reservijoukkoihin, minkä ansiosta Ashkin työskenteli koko sota-ajan ...

Ashkin A. Stable radiation-pressure particle traps using alternating light beams. Optics Letters. 9: 454-6. PMID 19721631 : 0.217: 1970: Ashkin A. Acceleration and Trapping of Particles by Radiation Pressure Physical Review Letters. 24: 156-159. DOI: 10.1103/PhysRevLett.24.156 : 0.21: 1977: Ashkin A, Dziedzic JM.

Arthur Ashkin is considered by many to be the father of laser trapping of particles using radiation pressure. In 1970, at the age of 47, Arthur published the first observation that ...

Arthur Ashkin was born in Brooklyn, NY, on September 2, 1922, the son of humble eastern European Jewish immigrants. ... he became passionate about renewable energy and worked toward creating an efficient and inexpensive way to capture solar power.

Arthur Ashkin, the world's oldest Nobel Prize winner, favours comfort over style. When I met him in his New Jersey home, he was sporting a fleece-lined zip-up, corduroy pants, and fuzz-lined Crocs. ... has turned the bottom floor of his house into a kind of laboratory where he's developing a solar-energy-harnessing device. "I'm making ...

Arthur Ashkin, inventor of a real-life "tractor beam" laser, has died at the age of 98. ... Light trick helps super-thin solar panels absorb energy 10,000 times better. Jijo Malayil. 2 days ago. 0.

El Premio Nobel de Física de este año 2018 ha sido concedido este martes 2 de octubre por la Academia Sueca a Arthur Ashkin, estadounidense ; Gérard Mourou, francés y Donna Strickland, canadiense (la primera mujer en conseguirlo fue Madame Curie). La concesión genérica ha sido a la Física, que han investigado estos tres portentosos físicos desde hace muchos

años .

Ashkin, who's 96 years old, has turned the bottom floor of his house into a kind of laboratory where he's developing a solar-energy-harnessing device. "I'm making cheap electricity," he said.

7 takeaway facts about Arthur Ashkin. 1. Arthur Ashkin was born on the 2nd of September 1922 in Brooklyn, New York. 2. He was awarded the Nobel Prize for Physics in 2018 for his invention of ...

? Arthur was an articulate orator, delivering both technical content and jokes with a great sense of timing. In the last 15 years of his life, he became passionate about renewable energy and worked toward creating an efficient and inexpensive way to capture solar power.

Just because Arthur Ashkin became the oldest recipient of the Nobel Prize hardly means he is ready to settle down. "I'm working on new stuff in my basement," he ... Ashkin said his innovation in solar energy has yet to be revealed, but it will be soon. "I know when something works, and this works, but you'll have to wait," he said ...

Arthur Ashkin was born in 1922 in Brooklyn, New York. In 1952 he earned his PhD from Cornell University. His thesis adviser, Sidney Millman, recommended that Ashkin work for Bell Labs. Ashkin had a 40-year career in laser research there, and he holds 47 patents. He is a fellow of the Optical Society, the American Physical Society, and IEEE.

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