



# Stanley Whittingham lithium ion battery



## Overview

Whittingham is a key figure in the history of lithium-ion batteries, which are used in everything from mobile phones to electric vehicles. He discovered intercalation electrodes and thoroughly described intercalation reactions in rechargeable batteries in the 1970s. Age 84 years Dec 22, 1941 Spouse Overview Sir Michael Stanley Whittingham (born 22 December 1941) is a British-American. He is a professor of chemistry and director of both the Institute for Materials Research and the and Engineerin. Whittingham was born in the Carlton suburb of, on 22 December 1941. His father was a civil engineer, the first in the family to go to college. His mother Dorothy Mary (née Findley) wa. Whittingham and his boss, Fred Gamble, PhD, conceived the electrode. Exxon manufactured Whittingham's lithium-ion battery in the 1970s, based on a cathode and a lithium-aluminum anode. Th. Stanley is married to Dr. Georgina Whittingham, a professor of Spanish at the. He has two children, Michael Whittingham and Jenniffer Whittingham-Bras.



## Article Content

Stanley Whittingham

Three scientists, John B. Goodenough, M. Stanley Whittingham and Akira Yoshino (from left), have won the Nobel Prize in chemistry for their work ...

M. Stanley Whittingham

M. Stanley Whittingham (Michael) Stanley Whittingham was born in Nottingham, England, in 1941. The longtime Society member and ECS Fellow won the 2019 ...

Lithium Ion Battery: An Era of Portable Energy and the Nobel ...

Fortunately, three genius minds finally came up with a promising solution and laid the foundation of lithium-ion batteries' legacy. The lithium-ions had been invented many decades ago though, but ...

Pioneers of innovation: The battery that changed the world

In the 1970s Dr. Whittingham was working at ExxonMobil's Clinton, New Jersey, corporate research lab when he created the very first examples of ...

The Origins of the Lithium Battery

The origins of the lithium-ion battery are intimately associated with the discovery and development of fast ion transport of ions in solids. Whereas, Volta originated the study of batteries, it was Michael ...

M. Stanley Whittingham | Biography & Facts | Britannica

M. Stanley Whittingham, British-born American chemist who won the 2019 Nobel Prize in Chemistry for his work in developing lithium-ion batteries. He shared the ...

Nobel Laureate M. Stanley Whittingham on the Future of Energy Storage

Nearly 50 years ago, as a young researcher at Exxon's Linden labs less than 25 miles from campus, Whittingham helped ...

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