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# FUNDAMENTAL INVESTIGATION OF SILICON ANODE IN LITHIUM-ION CELLS



Fundamental Investigation of  
Silicon Anode in Lithium-Ion  
Cells

NASA Technical Reports Server (NTRS).  
James J. Wu, William R. Bennett

Bibliogov, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Silicon is a promising and attractive anode material to replace graphite for high capacity lithium ion cells since its theoretical capacity is 10 times of graphite and it is an abundant element on Earth. However, there are challenges associated with using silicon as Li-ion anode due to the significant first cycle irreversible capacity loss and subsequent rapid capacity...

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- Authored by James J Wu, William R Bennett
- Released at 2013



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