

Surface Area Increase of Silicon Alloys in Li-Ion Full Cells Measured by Isothermal Heat Flow Calorimetry

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h h h h h _ h h h h h h 1 6 h h3-267h76b7. ((111221.627.)-0.4() - 5)0.2((.1)-2 235..1(-250 6)-2 7.05. 776 3. 3404. 11 (1) 0 1313 00-2 3 h 1) h h h ^{1 4} 2) h h

h 15 4 h , h h h h ()-270() 4 44



h 2602 Current source. h h h . h h 10 100 h . - $\pm~0.03\%$ + 6 μ 200 h . h h 10 μ $\pm \; 0.015\% + 1$ h 6 < 1 . h h h h ±0.02%.

Isothermal heat flow calorimeter.— h h h h 12 (h) . h. h . h h 37° . h h h h 13 h h h h • • h h . h 14.

h 14 h h h h h h h h h h hh h h h h 13 h // h 2 h h h h h), h h (.. h h . h

Methods.— (15.4(37()-()-2 4.. 3.2(4(37()- 1(.. 3.22()-0.1(. 3.22()0.2())(()(56(.. 54(5. 776005.







h h h h h .

Summary

h // 2 h h h h h h h h h h h h h

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