Extending three times the amount of batteries of smartphones and tablets by ... sand

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The results of this study have just been published in the famous scientific journal *Nature Scientific Report.* The findings from the University of California and Buorns research teams from the US have been evaluated as a starting point towards the goal of significantly increasing battery life. The team used sand to make an anode instead of graphite. Practitioner *Zachary Favors* was the one who came up with this idea after he realized in the sand at the beach that contained a lot of quartz.

First *Favors* collected sand with enough quartz, followed by crushing them into nanometers and refining them. After adding a few other cheap materials like salt and magnesium, the mixture is heated to produce pure silicon. This *silicon* is very porous, a key factor that improves battery life. The duration of these silicon anode rods is three times longer than that of a standard graphite pole.

The good news is that this solution has relatively low production costs, not to mention that it is non-toxic and environmentally friendly.