Review of: "Useful flat bed of silicone wafer particles bonded with nanowires and For biological applications, Si (silicon wafer) has glass-like properties and can be used to mount or grow nanowire particles"

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Some developments are underway for multi-electron beam exposure. In contrast to long exposure times, very high resolution (below 100 nm) is typically achieved by electron beam nano-lithography and, with a little optimization and appropriate equipment, reaches the range of 10 nm, as occurs in electron beam nano-lithography. Positive and negative resistances are present in electron beam nano-lithography as well as the ability to perform lifting processes that save the etching step. Electron beam nano-lithography is a good technique for laboratory research and prototyping, given that operational capacity is not an important issue and a very good solution is obtained. Similarly, electron beam nano-lithography, in the case of nano-processes, relies on changing the solubility of the resistor after exposure. However, in electron beam nano-lithography, electron-sensitive resistance should be used instead of the image capture. The processes of nanowire amplification on silicone wafer Silicone wafer make Si Nanowire arrays more reproducible and uniform, allowing the properties of nanowires to be adjusted. The nanowire amplification process always involves depositing a metal and bonding it in a solution containing hydrofluoric acid (HF) and an oxidizer. Silicon is produced only where metal nanoparticles touch the silicon, so electrochemical reactions occur with the mediation of nanoparticles. As the silicon is transported, the nanoparticles move into the resulting nanoparticles. Because silicon is only locally vaulted, this process can lead to properties with very high aspect ratios in nanowires.

Useful flat bed of silicone wafer particles bonded with nanowires and For biological applications, Si (silicon wafer) has glass-like properties and can be used to mount or grow nanowire particles. It can be easily removed or used as a whole nanowire amplifier wafer. Silicon Nanowire Arrays or SiNWs are vertical arrays of silicon nanowires on a flat crystalline silicon wafer substrate. These nanowires are made by catalytic oxidation and Si dissolution in the presence of metal catalyst nanoparticles - a self-organizing process commonly known as the metal-chemical amplified process with the help of silicon wafers.
References

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