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Blister formation mechanism during high dose implanted photoresist stripping

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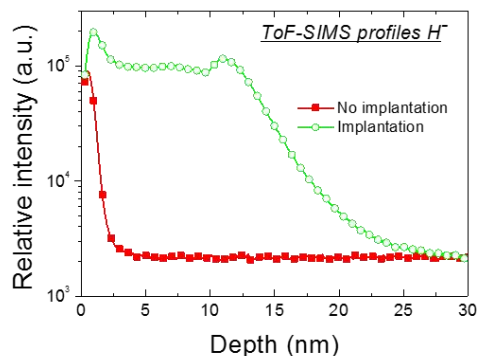
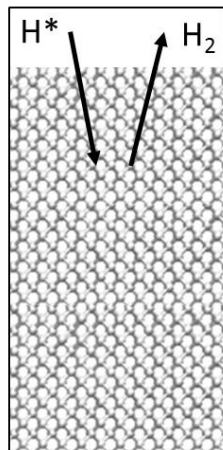
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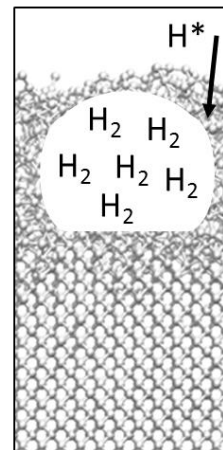
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Graphical Abstract

No Implantation



Implantation



Highlights

- The mechanism of blister formation in implanted silicon during H_2 -based plasma dry strip processes is understood in correlation with SRIM simulation
- Influence of implantation parameters (dopant species, energy and dose) is investigated and compared to SRIM simulations
- Solution is proposed to delay blister formation

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