

Surface chemistry and density distribution influence on visible luminescence of Silicon quantum dots: An Experimental and Theoretical approach

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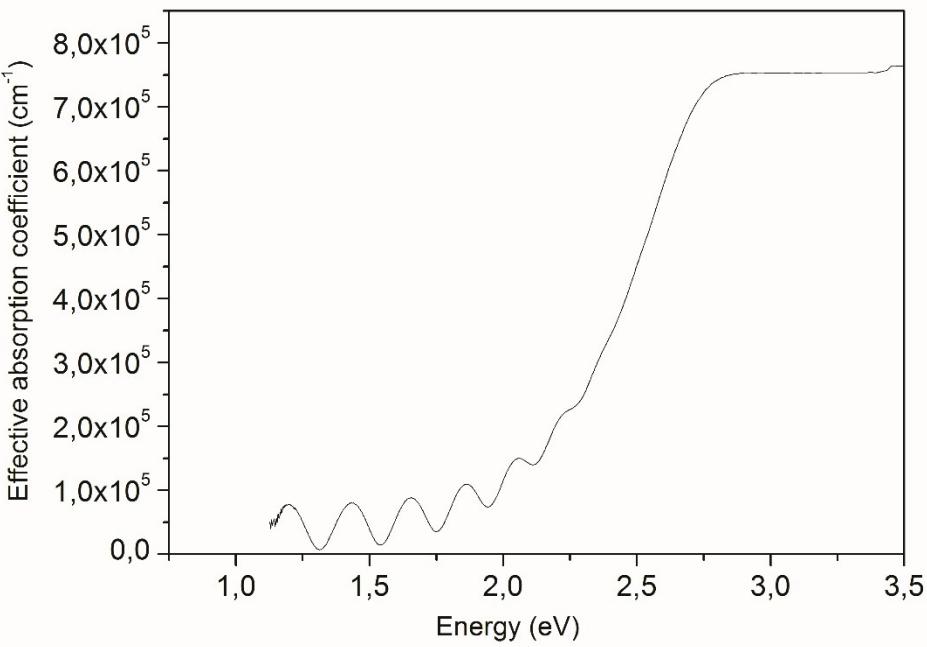


Figure S1 Absorption spectra of the as-deposited sample using the Shimadzu UV-2401PC.

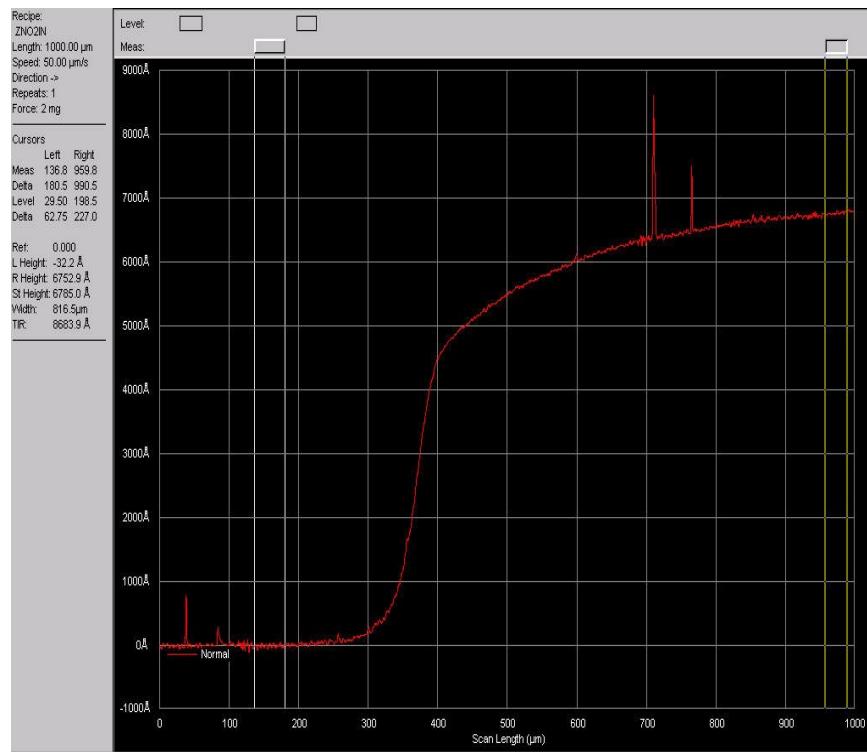


Figure S2 Thickness profile of the as-grown sample measured by a KLA Tencor equipment.

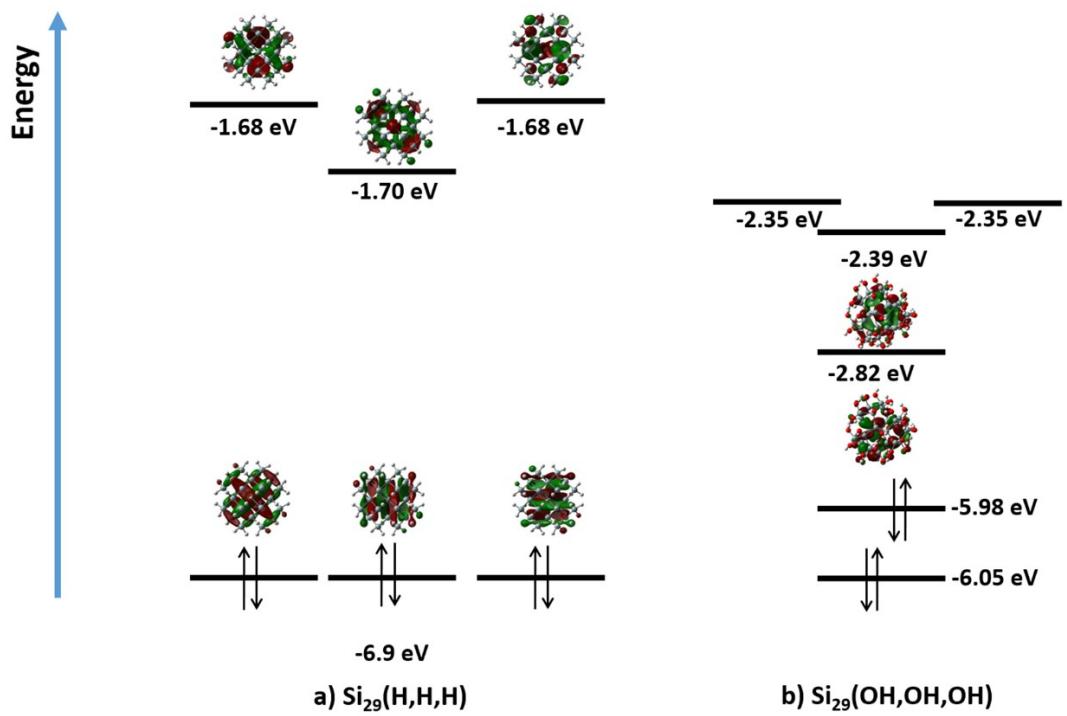


Figure S3 Frontier molecular orbital diagram of (H,H,H) and (OH,OH,OH) for Si_{29} is shown.