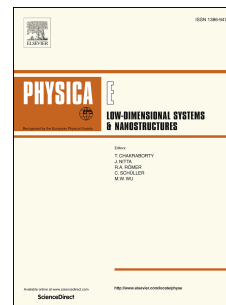


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Structural, electronic and optical properties of model silicon quantum dots: A computational study

Sapna Bondwal, Pallavi Debnath, Pompozhi Protasis Thankachan



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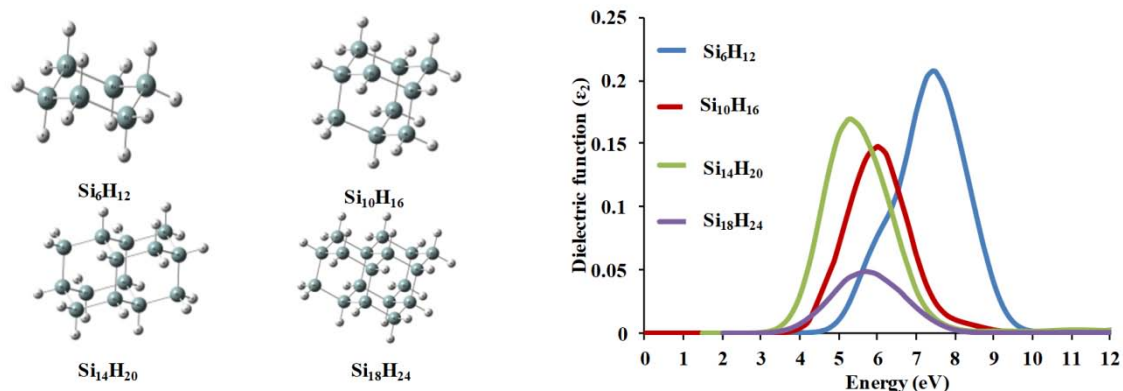
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Graphical Abstract



Effect of the Quantum confinement on the optical properties of *sil*a-Diamondoids is revealed through the frequency dependence of imaginary part of the dielectric function indicating that optical properties can be tuned as a function of size.

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