

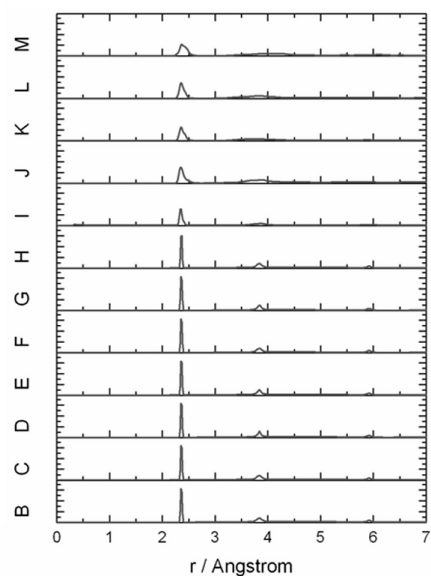
Supplementary Information for Surface Orientation Effects in Crystalline-Amorphous Silicon Interfaces

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This SI contains the following information

Figures S1-S3. RDF plots for all layers in the a-Si/c-Si and a-Si:H/c-Si structures for each of (100), (110) and (111) Si surfaces

(100) a-Si/c-Si



(100) a-Si:H/c-Si

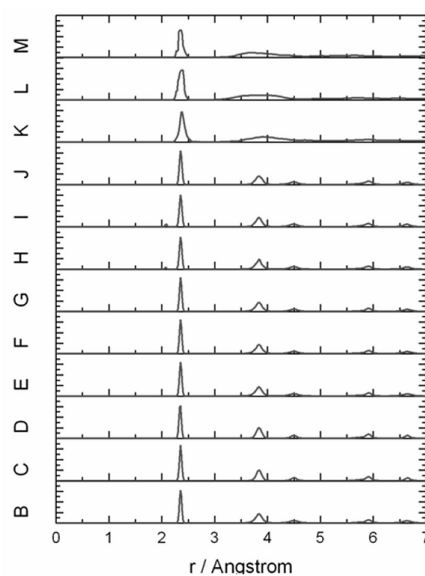
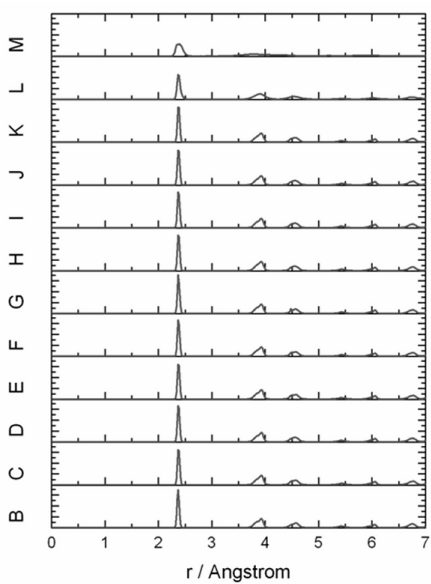


Figure S1

(110) a-Si/c-Si



(110) a-Si:H/c-Si

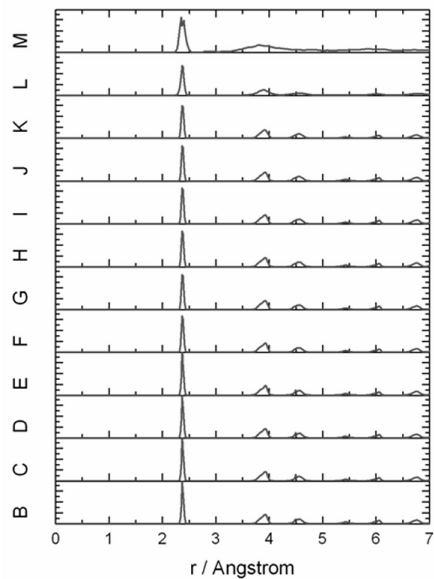
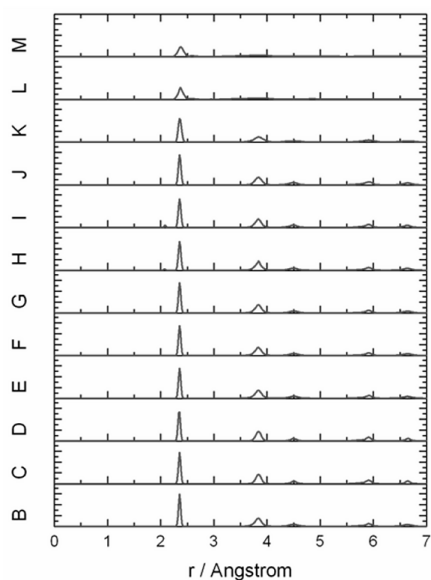


Figure S2

(111) a-Si/c-Si



(111) a-Si:H/c-Si

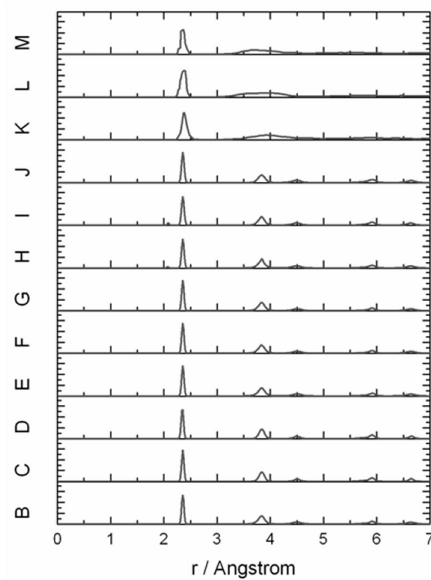
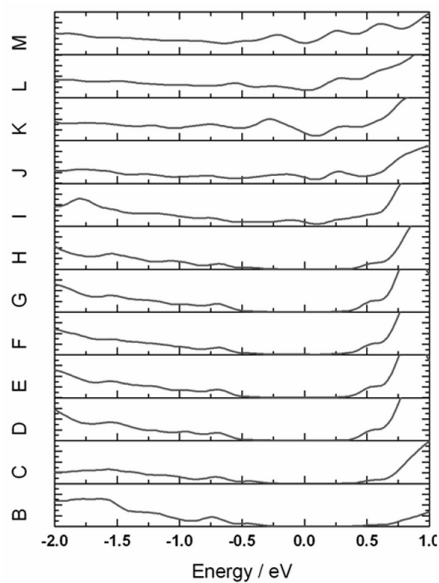


Figure S3

Figures S4-S6. Electronic DOS plots for all layers in the a-Si/c-Si and a-Si:H/c-Si structures for each of (100), (110) and (111) Si surfaces (6 plots)

(100) a-Si/c-Si



(100) a-Si:H/c-Si

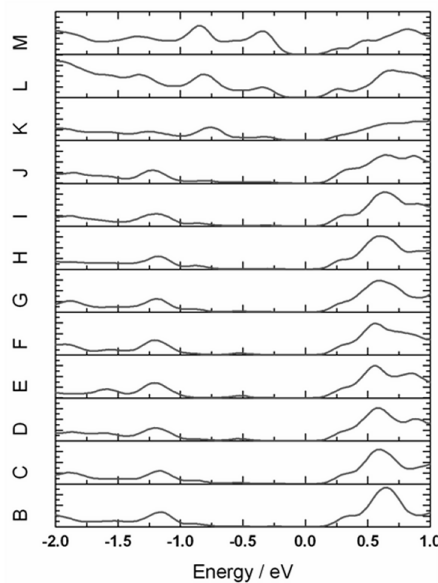
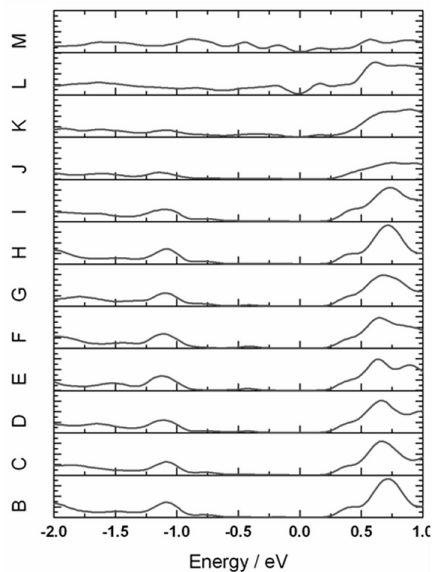


Figure S4

(110) a-Si/c-Si



(110) a-Si:H/c-Si

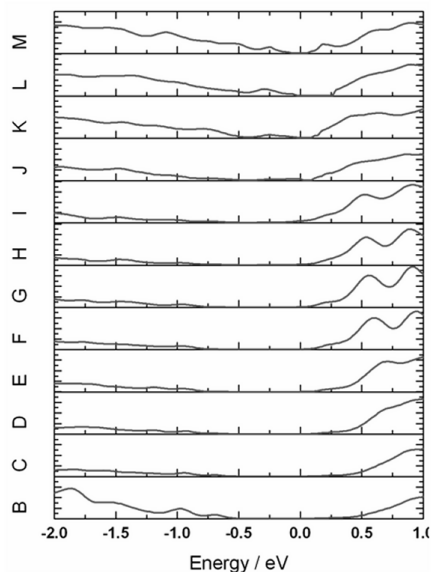
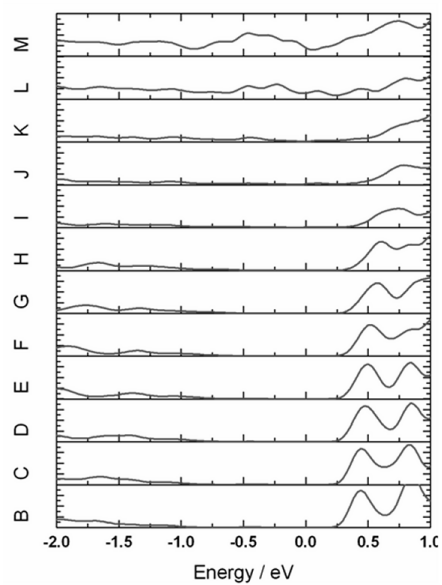


Figure S5

(111) a-Si/c-Si



(111) a-Si:H/c-Si

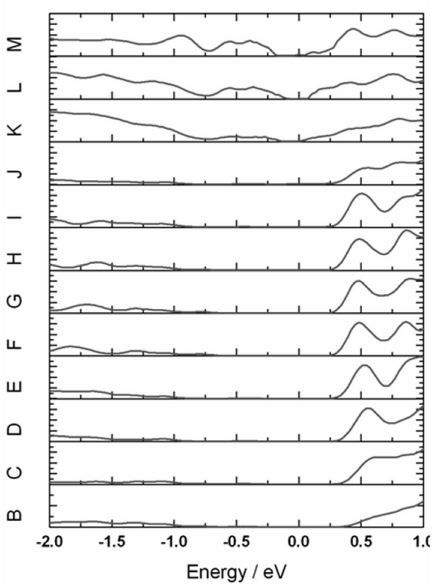


Figure S6