Electronic Supplementary Material (ESI) for RSC Advances.

High-Performance Flexible Electron Field Emitters Fabricated from Doped Crystalline Si Pillar Films on Polymer Substrates

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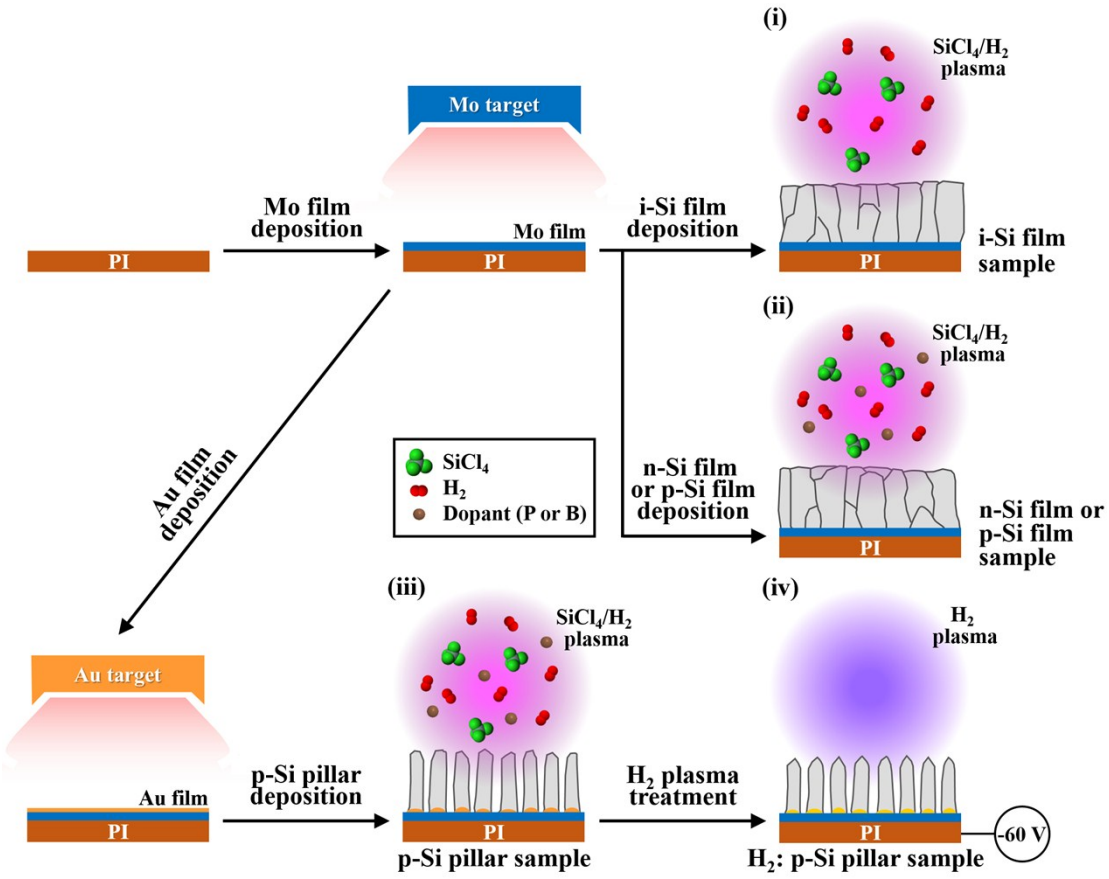
1 **Supporting information**



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3 Fig. S1 Flowchart of the preparation processes for synthesized crystalline Si film
4 samples possessing different structures: (i) i-Si film sample, (ii) n-Si film or p-Si film
5 samples, (iii) p-Si pillar sample and (iv) H2: p-Si pillar sample.

6

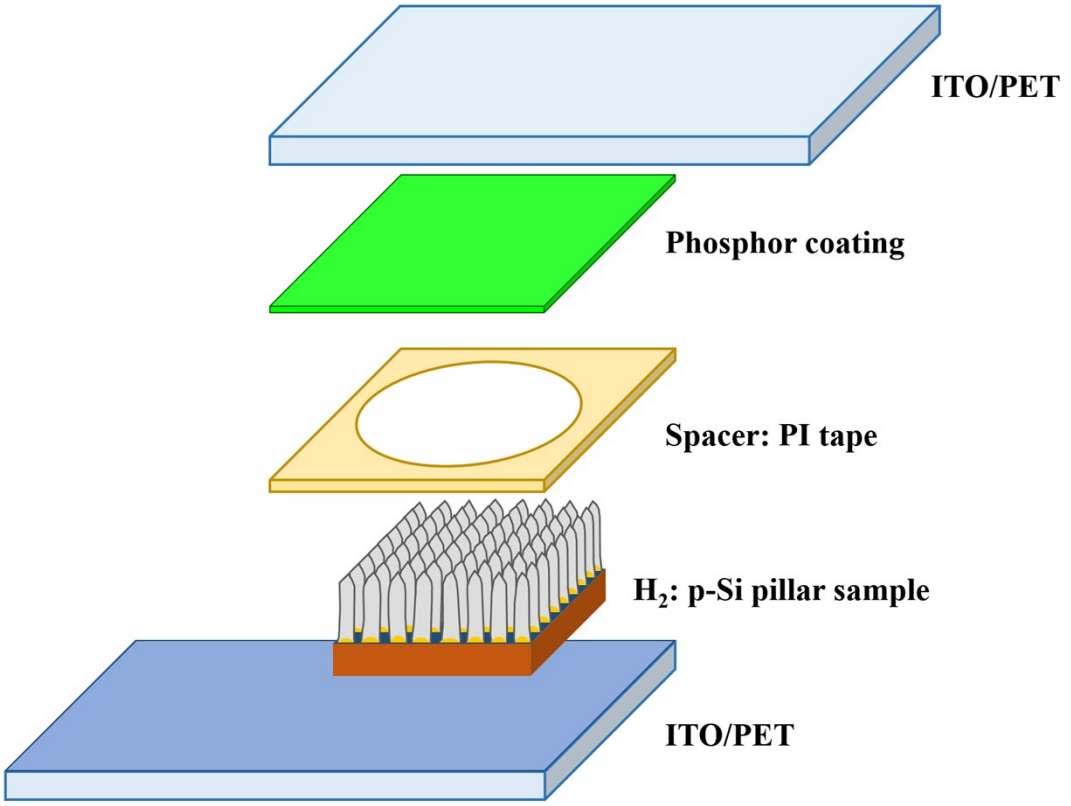

Fig. S2 Schematics of components for Si-EFE prototype device used in this study

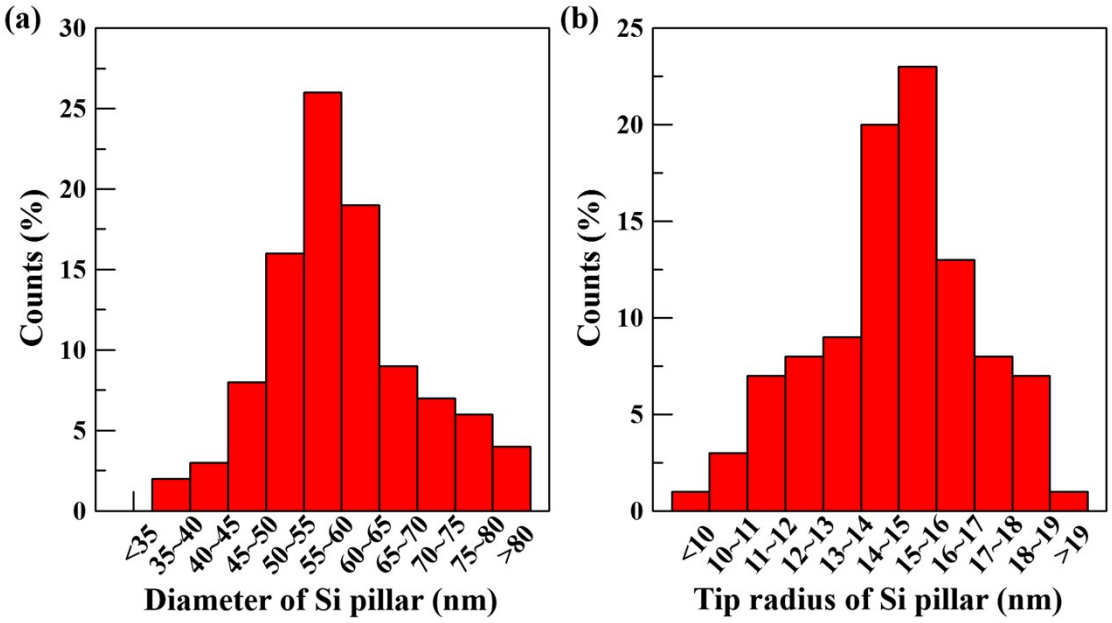

Fig. S3 Statistics of diameter and tip radius for Si pillar structure.