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Porous Silicon-Copper Phthalocyanine Heterostructure based Photoelectrochemical Cell

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Gaphical Abstract



Highlights

- Hybrid solar cell using porous silicon deposited with Copper Phthalocyanine (CuPc)
- Optimization of solar cell using two types of porous structures and CuPc thickness
- Photosensitivity studies showed 1.4 V open circuit voltage.
- Solar cells efficiency depends on the porous structure and CuPc thickness.

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