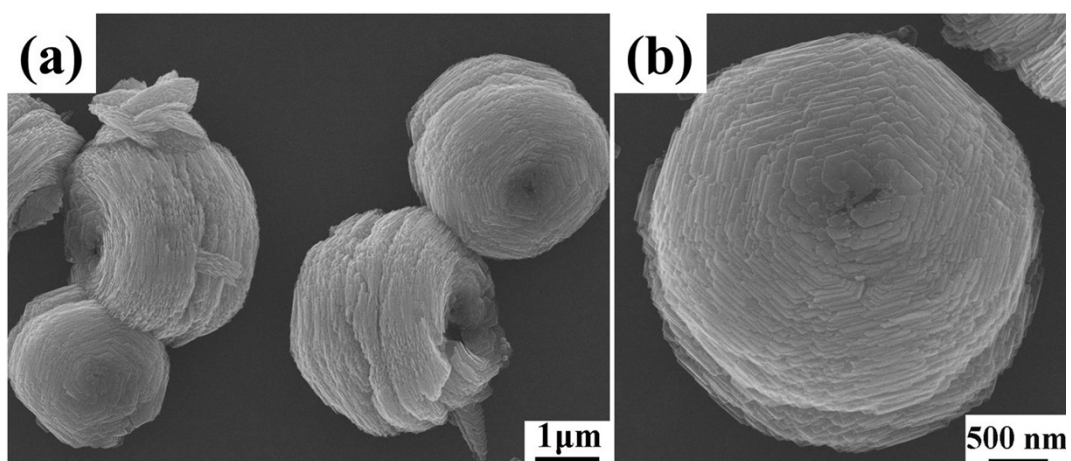


## Supporting Information:

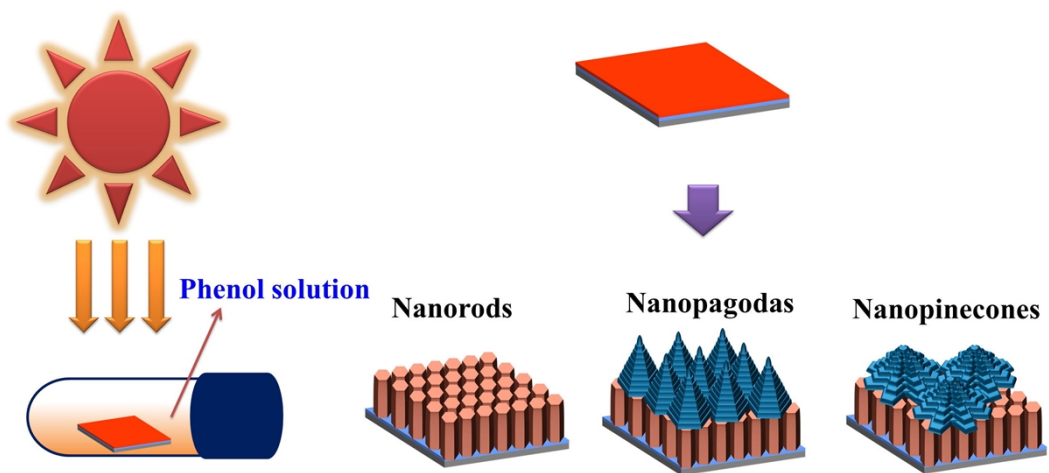
### ZnO Nanopinecone Arrays with Enhanced Photocatalytic Performance in Sunlight

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**Figure S1.** (a) Low and (b) high magnification SEM images of ball-like ZnO nanoplates grown on Si wafer with ZnO seeds layer.



**Figure S2.** Schematic diagram illustrates the processes and substrates to catalyze the degradation of phenol by sunlight.