Article

Study on structural color staining of seaweed fibers

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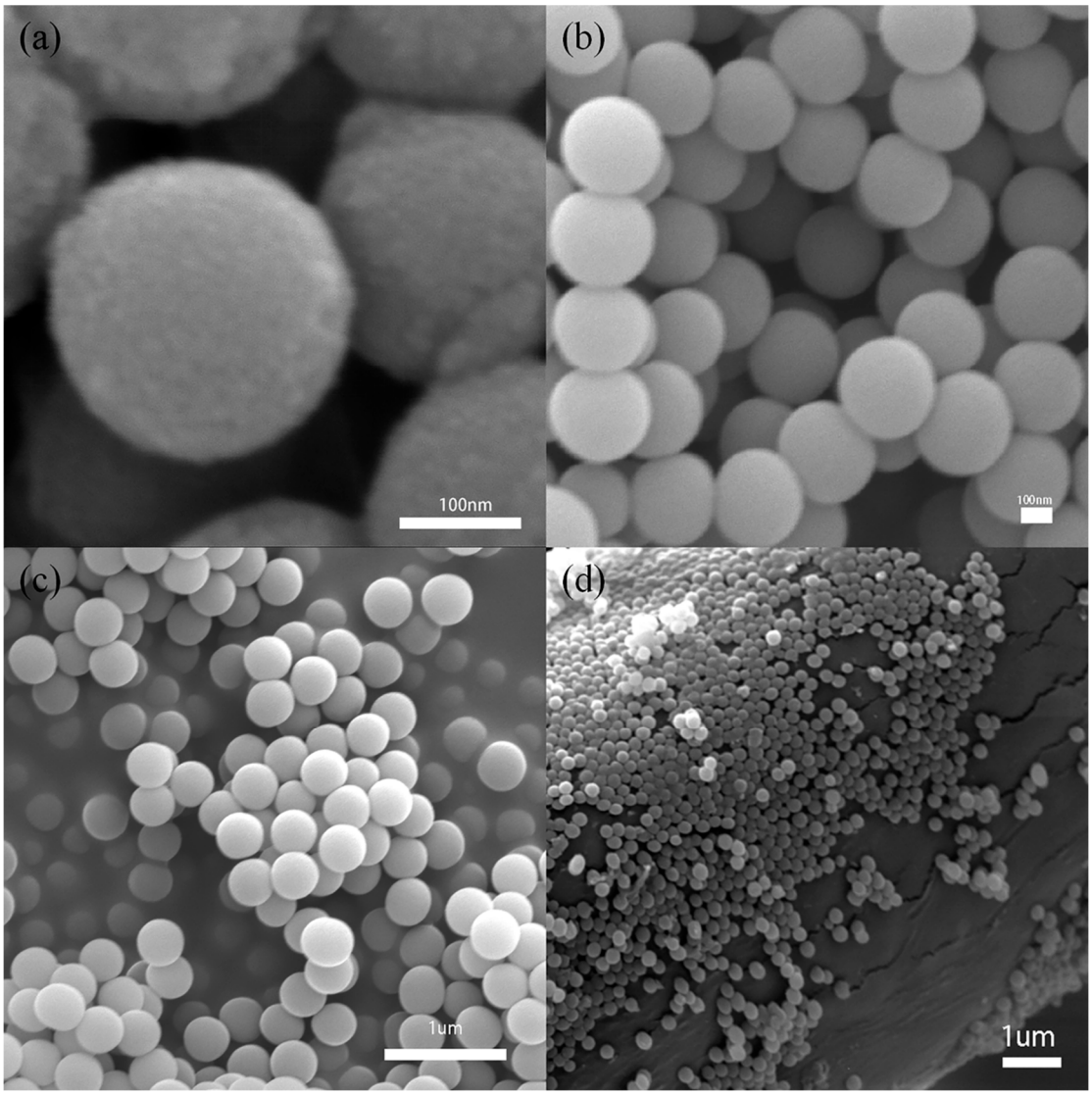


Figure S1 (a) SEM photographs of PDA/SiO_2 structured colour photonic crystals . (b)SEM photographs of SiO_2 aggregated states . (c)SEM photographs of SiO_2 aggregation states after PDA capping . (d)SEM photographs of structured colour photonic crystals attached to seaweed fiber

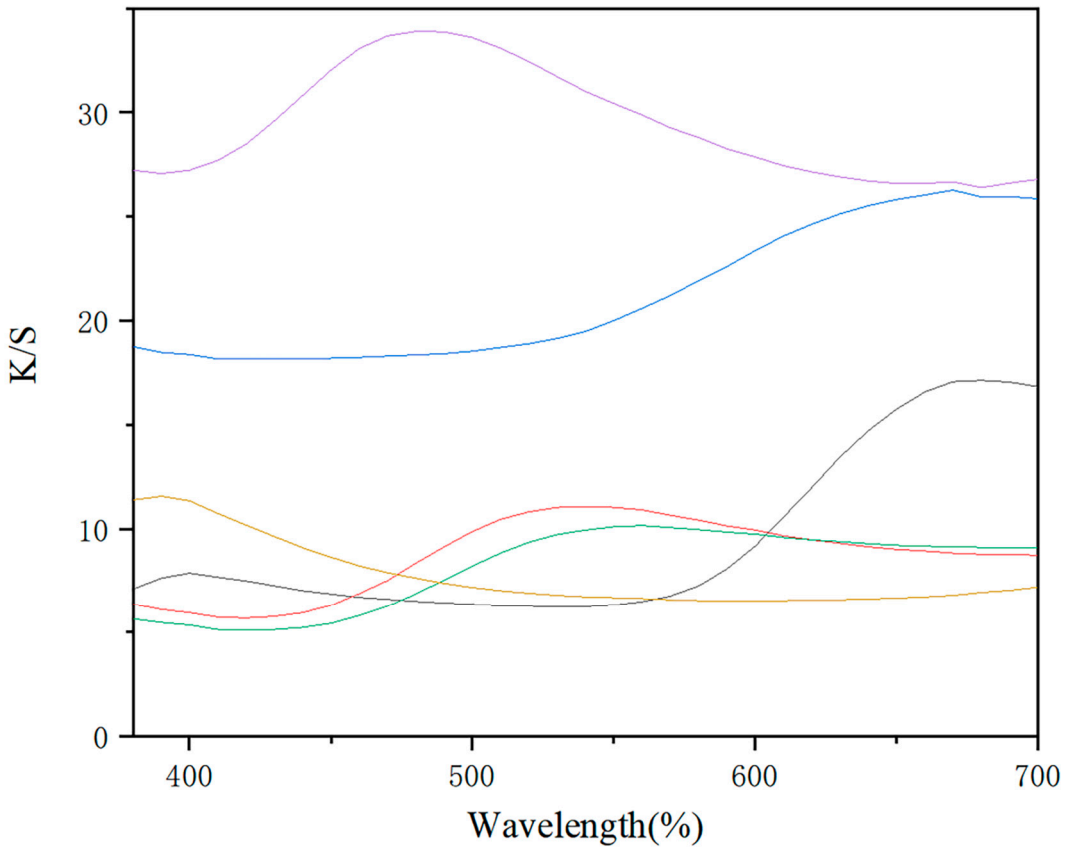


Figure S2 Values of K/S absorbed by different structural colour photonic crystals

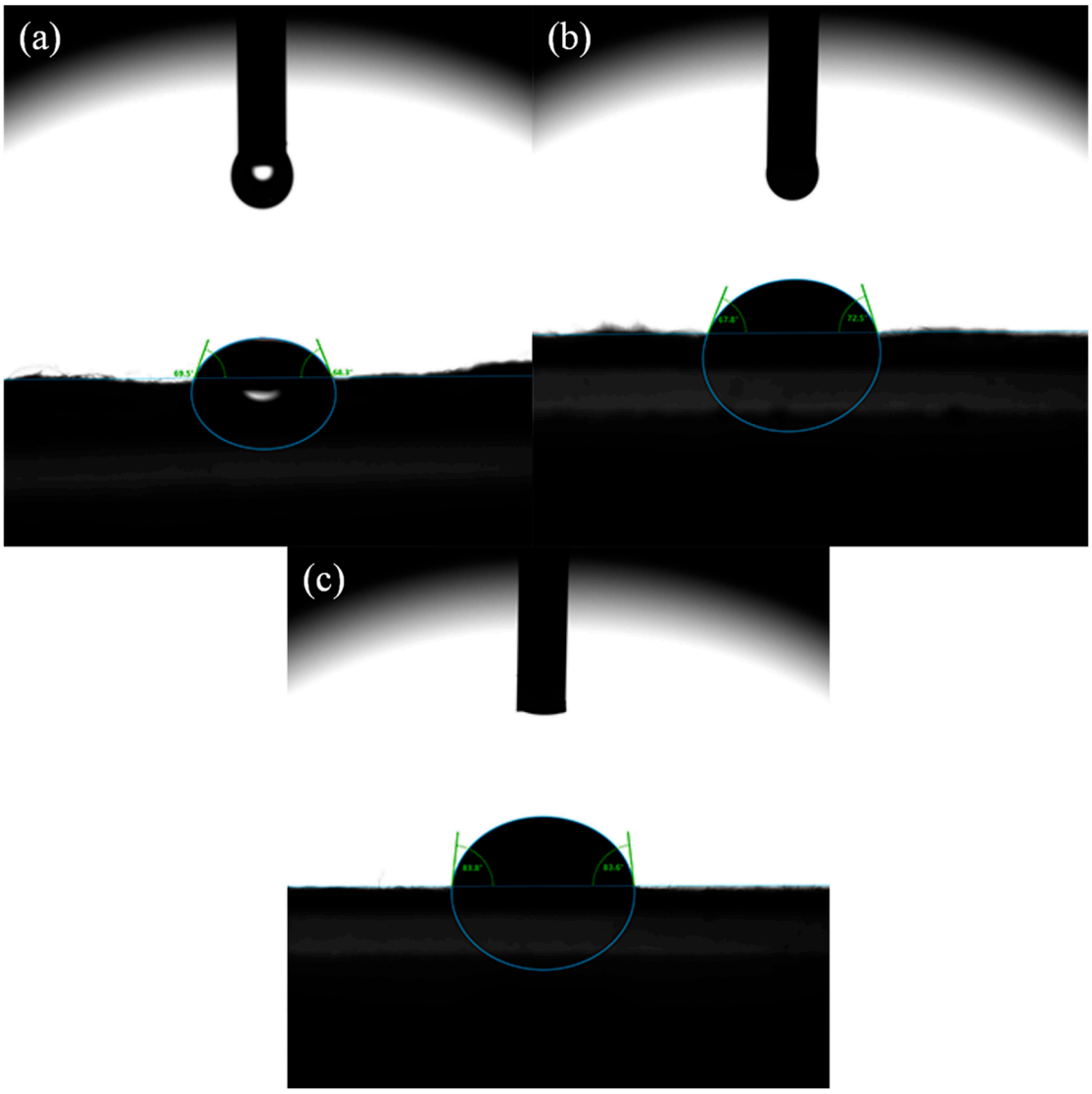


Figure S3 (a) Calcium alginate fabric contact angle test with water . (b)Contact angle test of calcium alginate fabric with photonic crystal solution . (c)Contact angle test of tetrahydrofuran pretreated calcium alginate fabrics with photonic crystal solutions .



Figure S4 Optical photographs of calcium alginate fabrics .

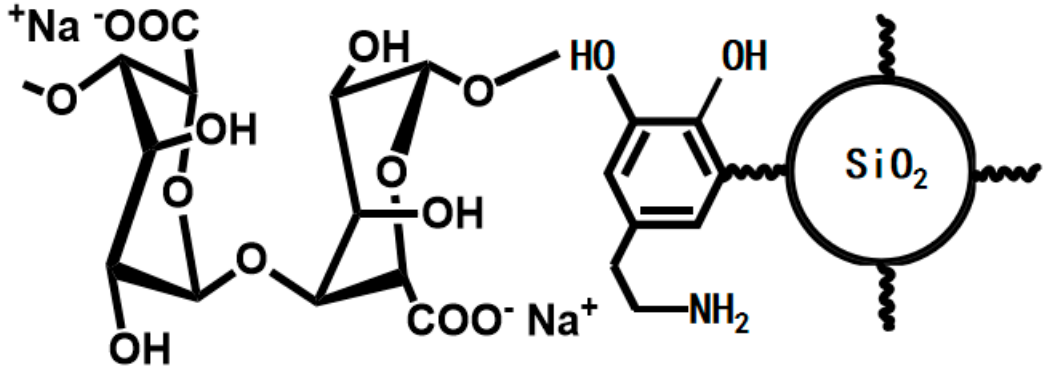


Figure S5 Two-dimensional modeling of calcium alginate fabrics and photonic crystals.