

Electronic supplementary information

Growth of aragonite phase calcium carbonate on the surface of titania-modified filter paper

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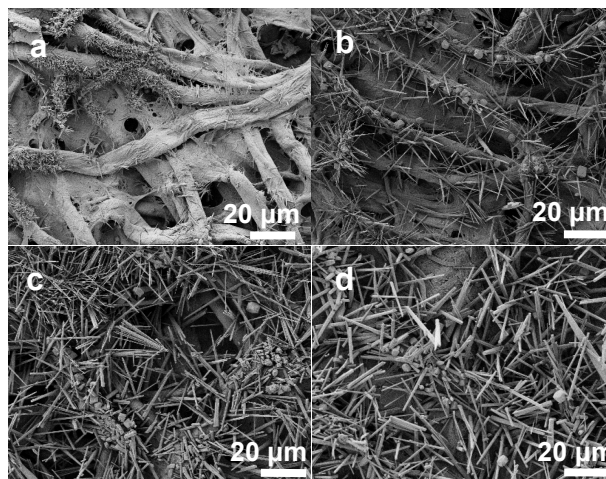


Fig. S1. SEM micrographs of (a) paper/(TiO₂)₅/PAA/(CaCO₃-6), (b) paper/(TiO₂)₅/PAA/(CaCO₃-12), (c) paper/(TiO₂)₅/PAA/(CaCO₃-24) and (d) paper/(TiO₂)₅/PAA/(CaCO₃-48) samples.

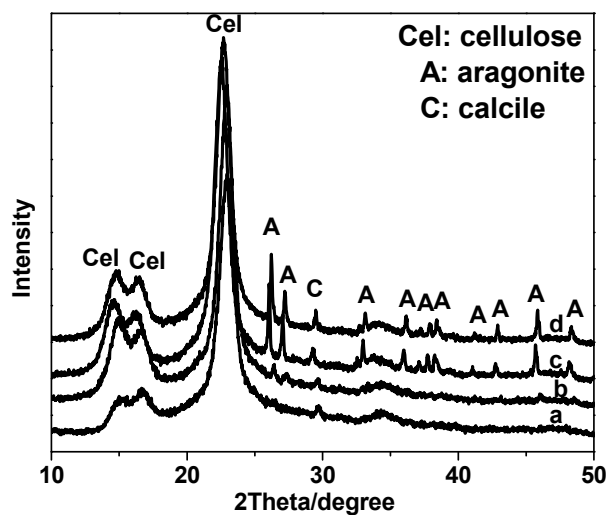


Fig. S2. XRD patterns of (a) paper/(TiO₂)₅/PAA/(CaCO₃-6), (b) paper/(TiO₂)₅/PAA/(CaCO₃-12), (c) paper/(TiO₂)₅/PAA/(CaCO₃-24), (d) paper/(TiO₂)₅/PAA/(CaCO₃-48) samples.

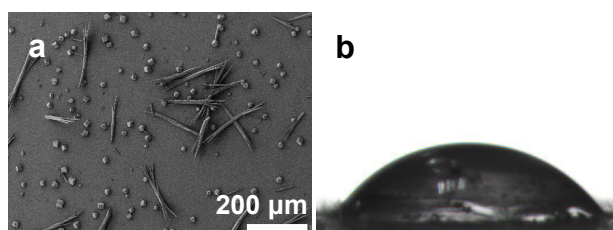


Fig. S3. (a) SEM micrograph of quartz/(TiO₂)₅/(CaCO₃-48) sample and (b) water droplet picture on it after modification with sodium stearate.