

Supporting information

Oriented Attachment of Calcite Nanocrystals: Formation of Single-Crystalline Configurations as 3D Bundles via Lateral Stacking of 1D Chains

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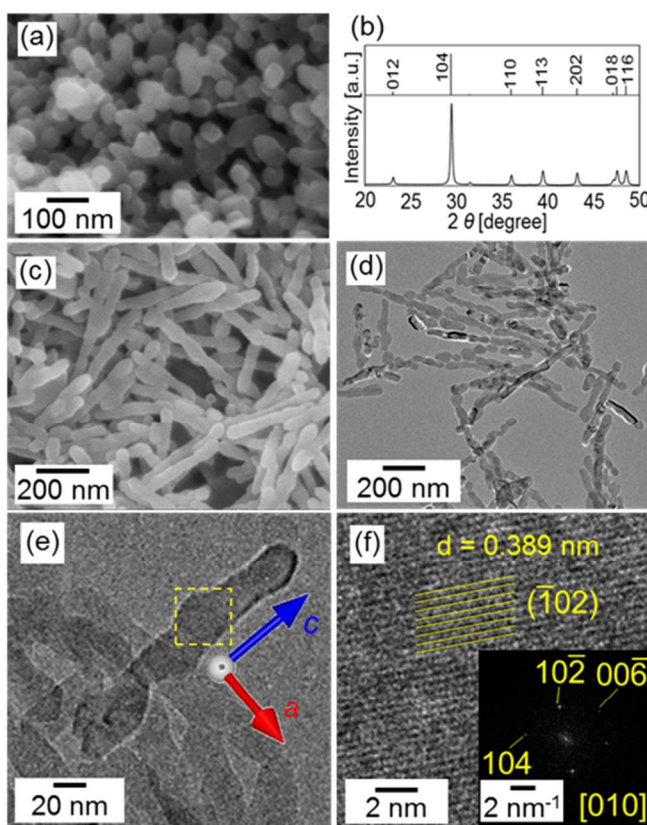


Fig. S1 An SEM image (a) and a typical XRD pattern (b) of nanoblocks in an aqueous dispersion at pH 12 after carbonation; SEM and TEM images and an HRTEM image with an FFT pattern of nanorods in an aqueous dispersion at pH 12 and at 25°C after stirring for 120 h (c), 336 h (d), and 720 h (e, f). Reproduced from Ref. 35 with permission.

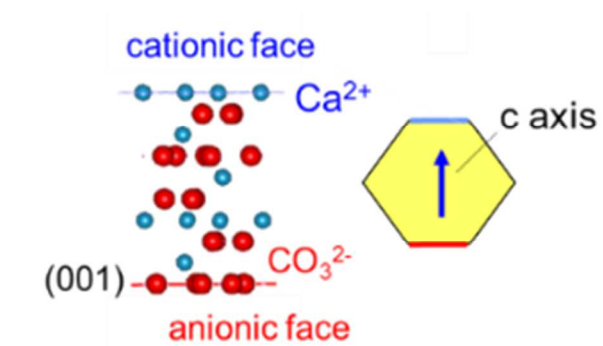


Fig. S2 A schematic illustration of a calcite nanoblock with its ionic configuration. Reproduced from Ref. 35 with permission.