

Figure SI-1 The top view / cross sectional FE-SEM Images of α -MoO₃ nanorods growth from seed layers after sintering at 673K for (a) 15min and (b) 40min, when as deposited thickness after spin coating are thin. (The thickness after drying at 373K is about 1 μ m).

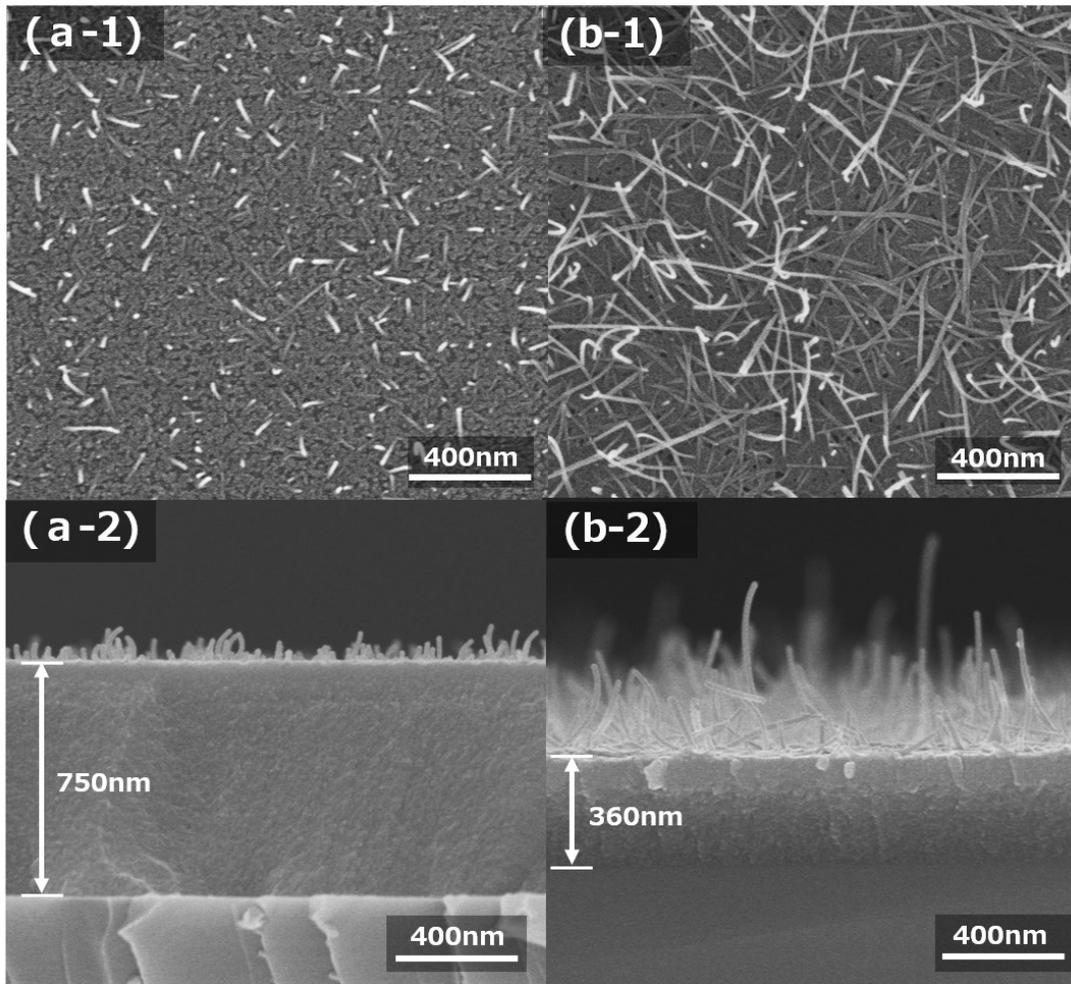


Figure SI-2 The top view / cross sectional FE-SEM Images of α - MoO_3 nanorods growth from seed layers after sintering at 673K for (a) 15min and (b) 25min, when as deposited thickness after spin coating are thick. (The thickness after drying at 373K is about $3\mu\text{m}$).

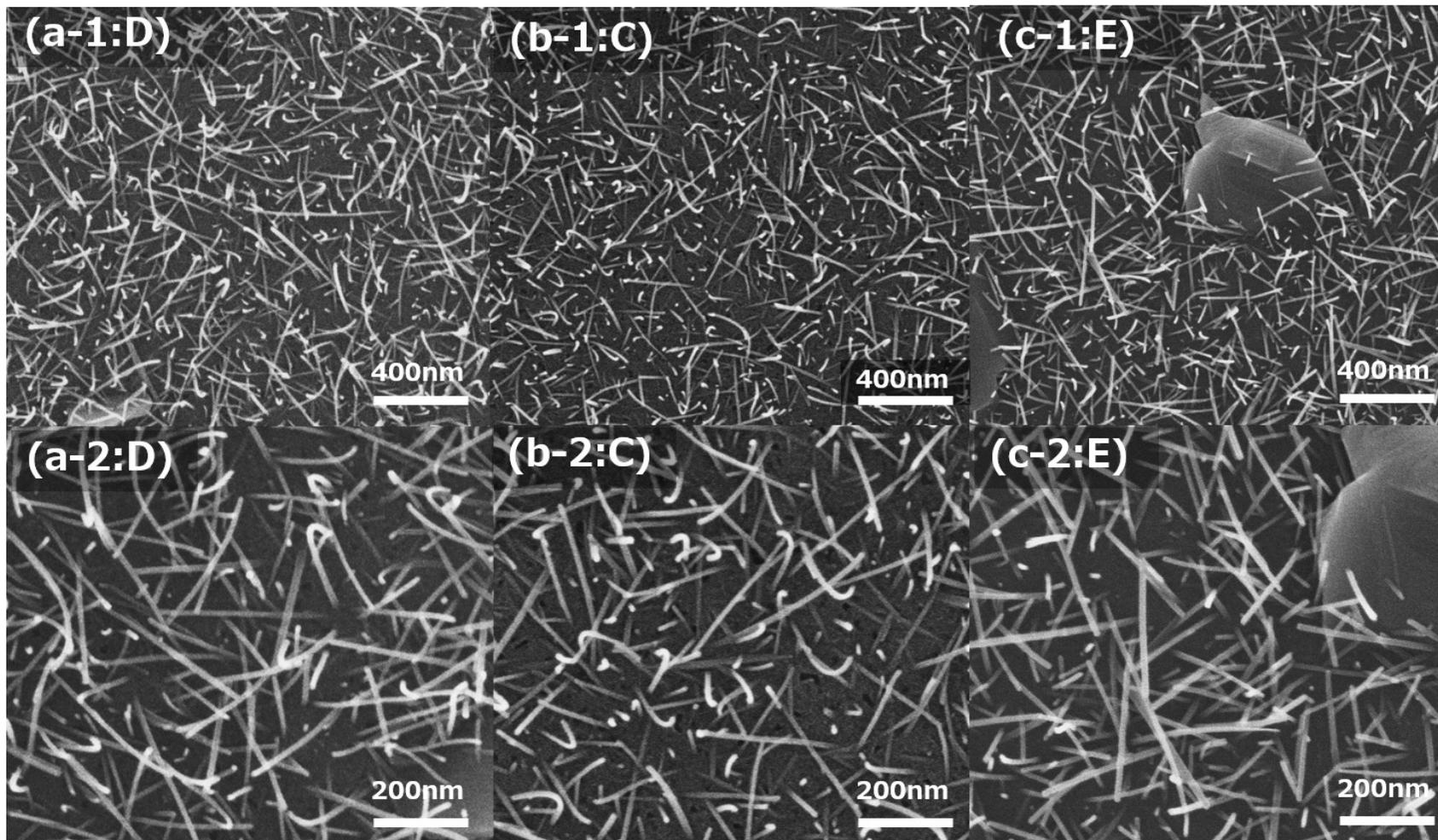


Figure SI-3 The top view FE-SEM Images of α - MoO_3 nanorods after sintering at 673K for 15min. The sample (a)D(1:3:2) is prepared the same condition of (b) C(1:3:2) which made form sample (c) E(1:3:1) + NH_3 .