
**Shape Selective Synthesis of Unusual Nanobipyramids, Cubes and Nanowires of
RuO₂: SnO₂**

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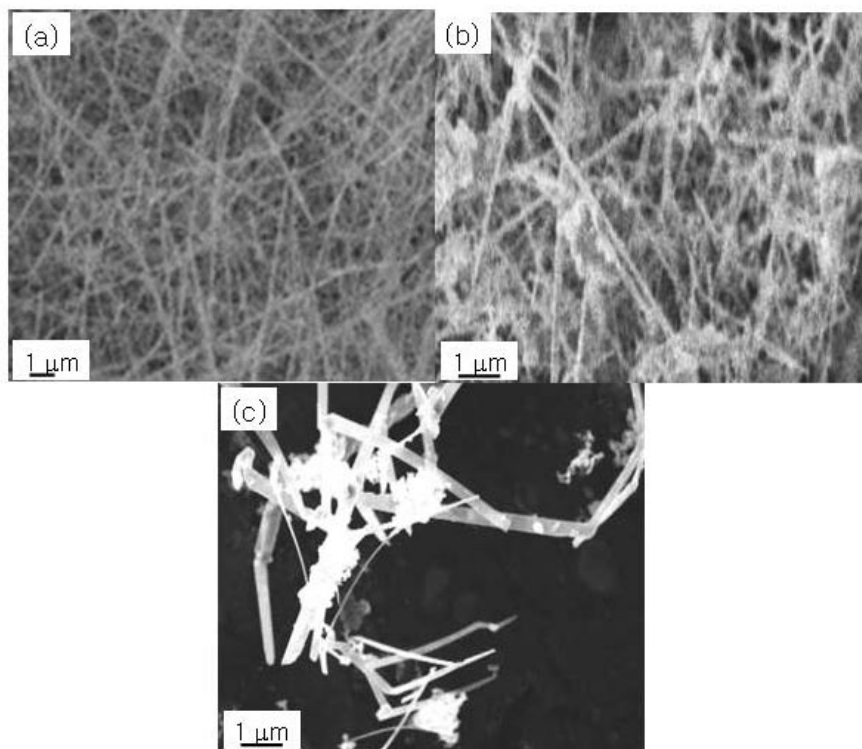
Supporting Information

SI 4. Table 1. shows the distribution of diameter and average length of nanowires calculated for 10 nanowires.

Diameter (nm)	Number of Nanowires	Average Length (μm)
100-200	1	80
200-400	2	340
400-600	2	320
600-800	2	875
800-900	3	1045

These results indicate that the nanowires with larger diameter between 700 and 900 nm have the maximum length compared with smaller diameter nanowires and are more preferred.

SI 5 SEM images of nanowires upon heating the reaction mixture containing 0.2 wt. % RuO₂ in presence of (a) Ar, (b) N₂ and in (c) O₂.



SI 6. Shape dependent response of RuO₂: SnO₂ towards 500 ppm of NO₂ at room temperature.

