Supporting Information

A General Precipitation Strategy for Large-scale Synthesis of Molybdates Nanostructures

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1. Characterization

The samples were characterized by XRD (Model D/MAX-RB, Rigaku Co., Tokyo, Japan; CuKα, 10-70o), TEM, SAED (Model JEM-2100F, JEOL, Tokyo, Japan), SEM (JSM-6700F, JEOL, Tokyo, Japan) and TG-DTA (STA-449C, Netzsch, Bayern, Germany)
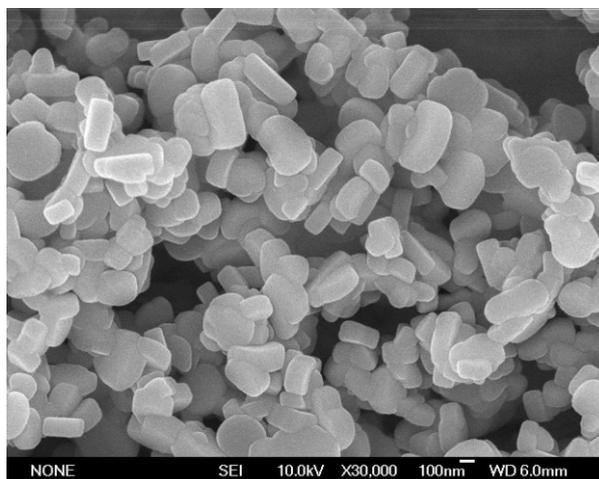
2. SEM image of $ZnMoO_4 \cdot nH_2O$

Figure S1. SEM image of $ZnMoO_4 \cdot nH_2O$
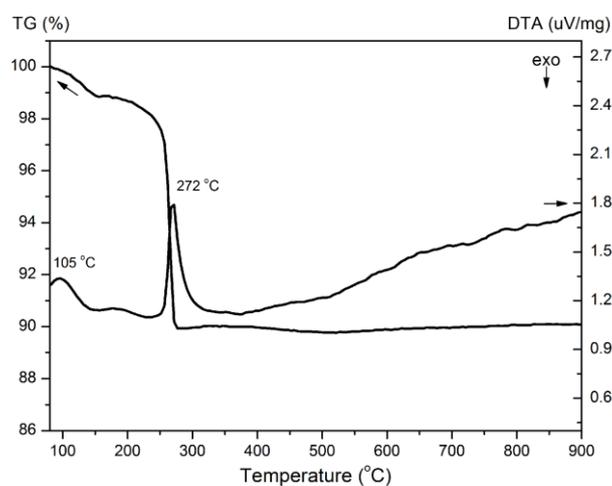
3. Thermal behavior of ZnMoO$_4 \cdot n$H$_2$O

Figure S2. TG-DTA plot of ZnMoO$_4 \cdot n$H$_2$O

4. TEM image and SAED pattern of ZnMoO$_4$
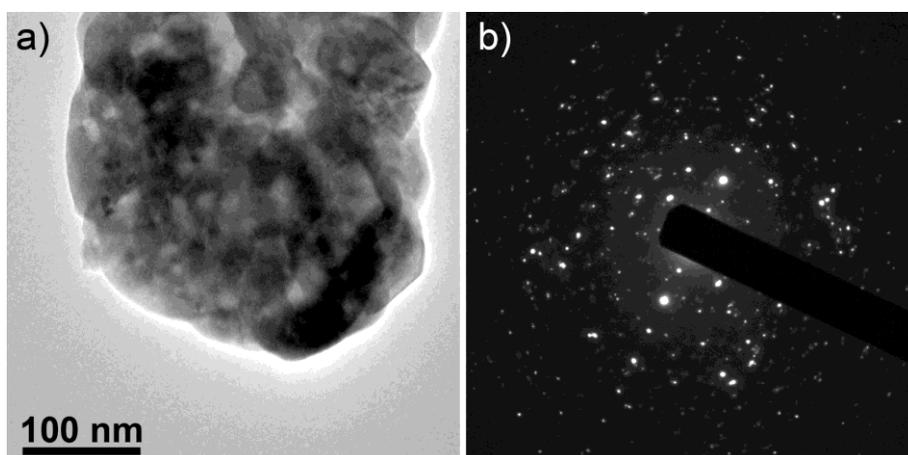
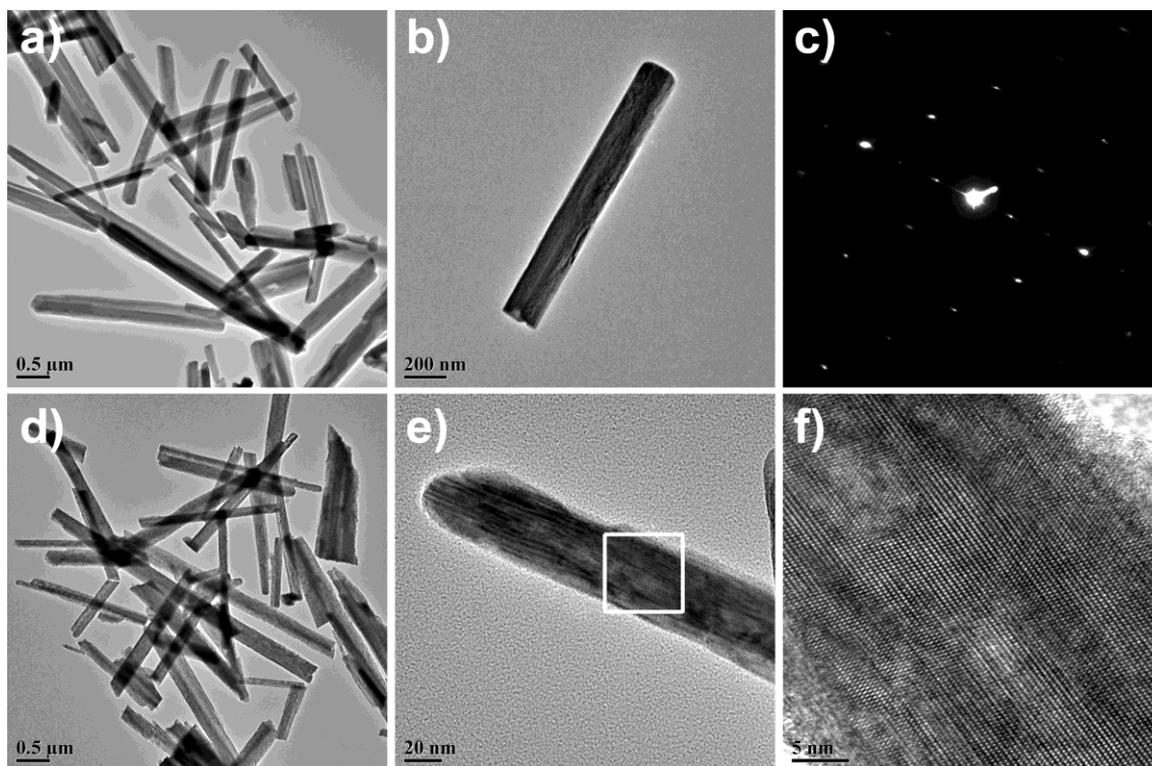Figure S3. a) TEM image and b) SAED pattern of ZnMoO$_4$

5. TEM images of MnMoO₄·*n*H₂O and MnMoO₄

Figure S4. a) TEM image, b) enlarged image, c) SAED pattern of MnMoO₄·*n*H₂O, d) TEM image, e) enlarged image, f) HRTEM image of MnMoO₄ from the dehydration of MnMoO₄·*n*H₂O
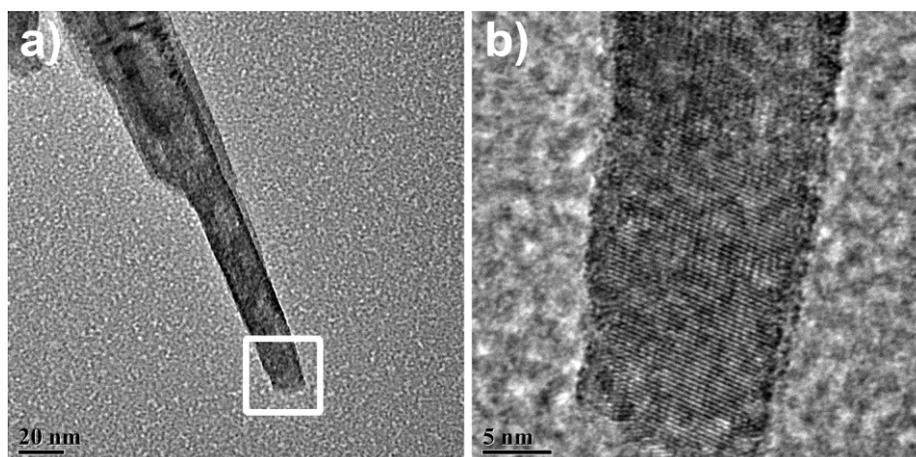
6. TEM images of CoMoO₄

Figure S5. a) TEM image and b) HRTEM image of CoMoO₄