Electronic Supplementary Information

Shape Evolution of Parallelogrammic Magnesium Oxalate
Controlled by Phosphate Species

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Figure S-1. SEM images of the particles from various reaction times at 323 K by pouring Na$_2$C$_2$O$_4$ into Mg(NO$_3$)$_2$ solution: (a) 2.5 min; (b) 5 min; (c) 10 min; (d) 20 min; (e) 30 min; (f) 60 min; and (g) the plot of the widths of upper base and lower base size of the obtained particles with reaction time, and inset is a typical particle collected.
Figure S-2. SEM images of the particles obtained from the reaction between Na$_2$C$_2$O$_4$ and Mg(NO$_3$)$_2$ solutions (a-c) without and (d-f) in the presence of 0.05 g Na$_5$P$_3$O$_{10}$ at 323 K, in which (a) and (d) are the particles at a low magnification, (b) and (e) are the side views, and (c) and (f) are the front views of the representative particles; (g) Typical XRD patterns of the products from the reaction systems without and in the presence of 0.05 g Na$_5$P$_3$O$_{10}$. 
Figure S-3. Plot of the amount of P$_3$O$_{10}^{5-}$ per MgC$_2$O$_4$ molecule from XPS measurements by adding 2 mL aqueous solution containing 0.05 g Na$_5$P$_3$O$_{10}$ into the reaction solution of Na$_2$C$_2$O$_4$ and Mg(NO$_3$)$_2$ with a delay time of 2.5 min followed by various total reaction periods. The calculations of the atomic ratios for XPS analyses were same as those in Figure 2.