

Supplementary Information for

A facile template free solution approach for the synthesis of dypingite nanowires and subsequent decomposition to nanoporous MgO nanowires with excellent arsenate adsorption properties

Yong Jia,^{a,b} Tao Luo,^a Xin-Yao Yu,^a Bai Sun,^a Jin-Huai Liu^a and Xing-Jiu Huang^a

^a Research Center for Biomimetic Functional Materials and Sensing Devices, Institute of Intelligent Machines, Chinese Academy of Sciences, Hefei 230031, PR China.

^b Department of Pharmacy, Anhui University of Traditional Chinese Medicine, Hefei 230031, PR China

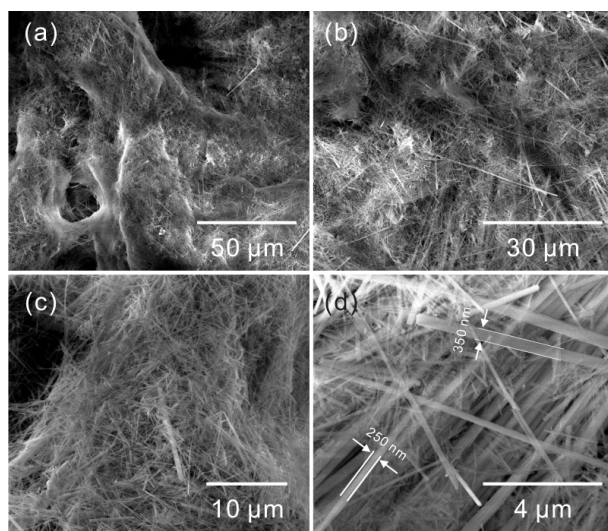


Fig. S1 SEM images of the obtained products synthesized with 0.4 mol L⁻¹ of magnesium ions.

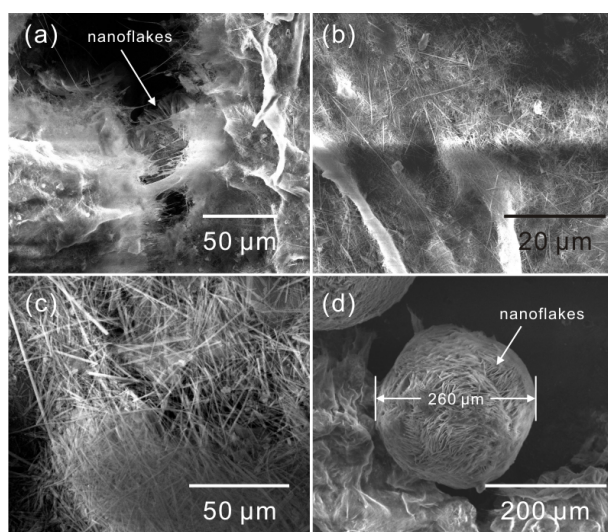


Fig. S2 SEM images of the obtained products synthesized with 1.0 mol L⁻¹ of magnesium ions.

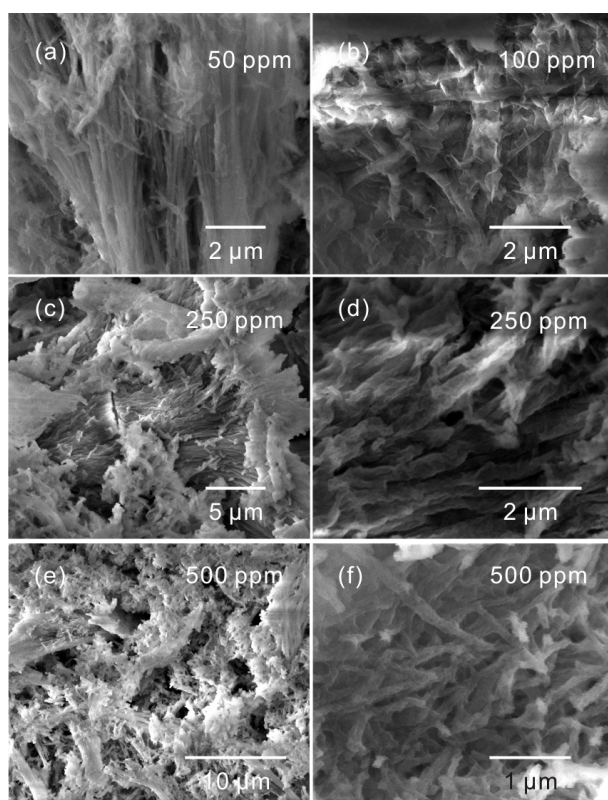


Fig. S3 SEM images of the porous MgO after As (V) adsorption with initial concentration of 50 (a), 100(b), 250(c, d) and 500 (e, f) ppm.