

Supplementary Information

Hierarchically Porous Titanium Phosphate Monoliths and Its Crystallization Behavior in Ethylene Glycol

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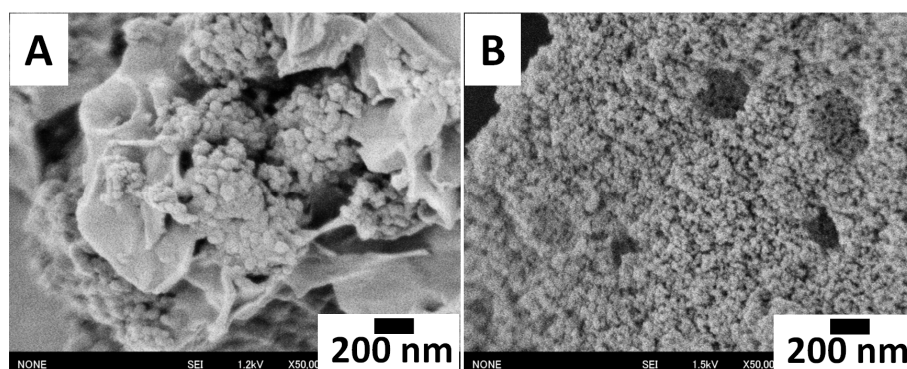


Figure S1 FE-SEM images of TiP monoliths synthesized without (A) and with (B) the addition of DMSO.

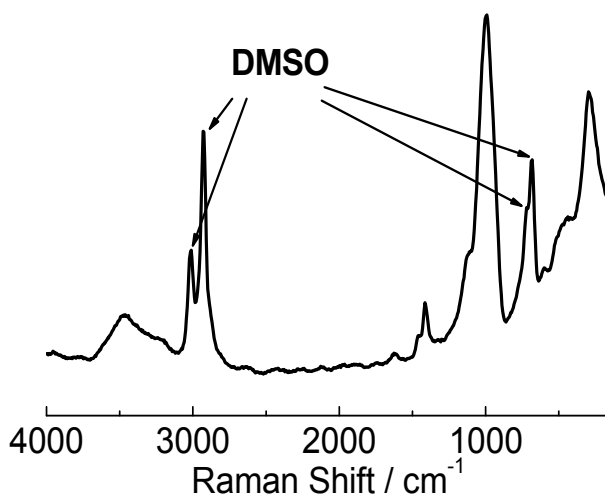


Figure S2 Raman spectrum of TiP-0-0.

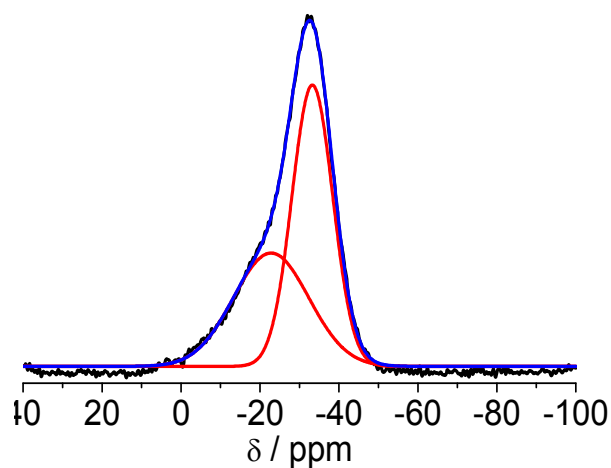


Figure S3 ^{31}P NMR of TiP-0.05-0.08 calcined at 600 °C (black curve: original data, red curve: fitting peaks of the original data, blue curve: peak sum of fitting peaks).

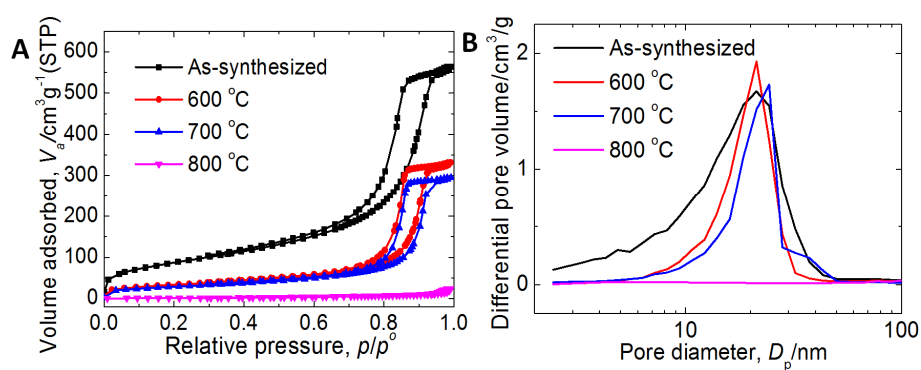


Figure S4 N_2 adsorption-desorption isotherms (A) and BJH pore size distributions (B) obtained from the adsorption branch of as-synthesized TiP-0.05-0.08 and those of TiP-0.05-0.08 calcined at different temperatures.

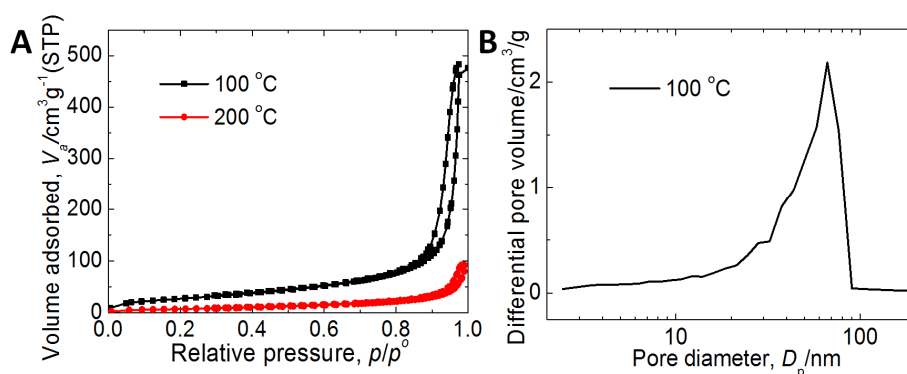


Figure S5 N₂ adsorption-desorption isotherms (A) and BJH pore size distribution obtained from the adsorption branch (B) of TiP-0.05-0.08 after solvothermal treatment at different temperatures for 24 h.

Table S1 Pore parameters and compositional information of as-synthesized TiP-0.05-0.08, those of TiP-0.05-0.08 calcined at different temperatures and those of TiP-0.05-0.08 after solvothermal treatment at different temperatures for 24 h.

	$S_{\text{BET}} / \text{m}^2 \text{g}^{-1}$	$V_{\text{p}} / \text{cm}^3 \text{g}^{-1}$	D_{p} / nm	^a P:Ti (molar)	^a S:Ti (molar)
As-synthesized	320	0.86	21	2.1	0.53
600 °C	120	0.51	21	2.0	0.01
700 °C	104	0.46	24	2.0	0
800 °C	3	0.04	/	2.0	0
EG-100 °C	103	0.73	66	1.3	0
EG-200 °C	40	0.16	/	1.5	0

^a The molar ratios of P:Ti and S:Ti is derived from EDX measurement and is the average value of 5 measurements.