## **Electronic Supplementary Information**

## A combined strategy for the synthesis of double functionalized $\alpha$ -zirconium phosphate organic derivatives

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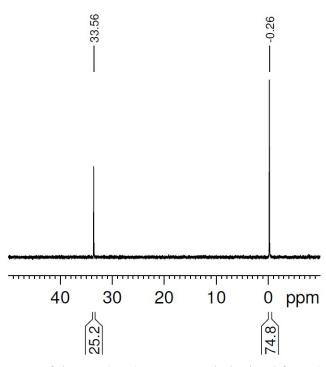


Figure S1. <sup>31</sup>P NMR spectrum of the  $ZrP(PC_2)_x$  compound obtained for  $X(H_2PC_2) = 0.167$ 

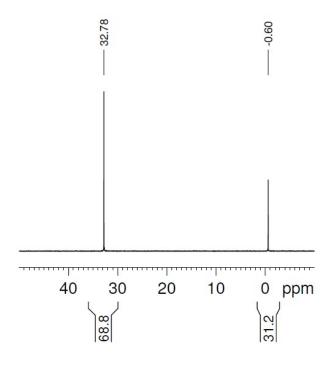


Figure S2. <sup>31</sup>P NMR spectrum of the  $ZrP(PC_2)_x$  compound obtained for  $X(H_2PC_2) = 0.500$ 

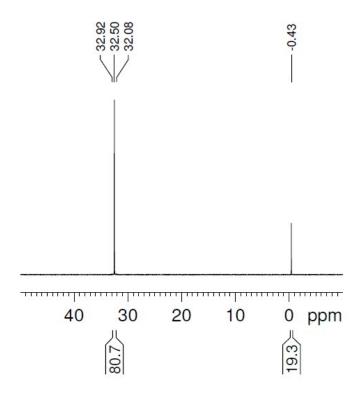


Figure S3. <sup>31</sup>P NMR spectrum of the  $ZrP(PC_2)_x$  compound obtained for  $X(H_2PC_2) = 0.625$