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Supporting Information for

Structural Analysis of Cellulose Acetate and Zirconium Alkoxide Hybrid Fibres

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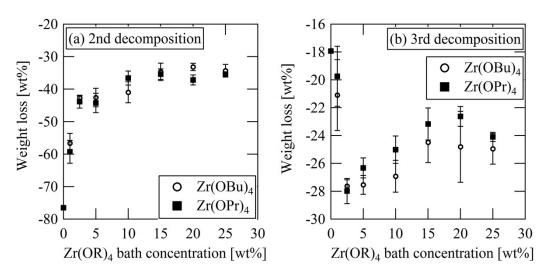


Fig. S1 Variation of the weight loss at (a) 2nd decomposition stage and (b) 3rd decomposition stage as a function of the Zr(OR)₄ bath concentration.

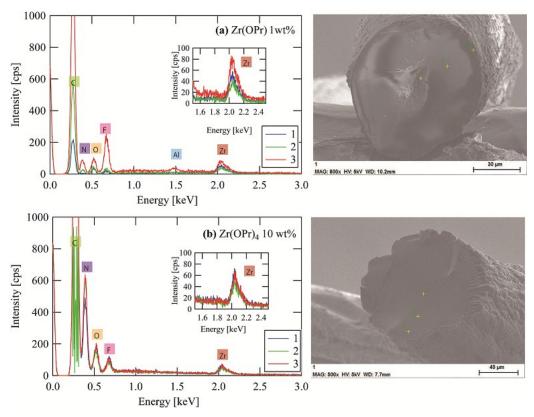


Fig. S2 Point analyses of EDS for the CA-Zr fibre samples. The analyses were performed at 3 points, indicated by yellow crosses in the right photographs; Point 1 was the centre of the fibre, point 3 was the surface of the fibre, and point 2 was intermediate between the two points. The F and N came from the ionic liquid, and Al might come from the sample holder of EDS. As shown in the magnified plot (inset) of the 1 wt% result, there was more Zr at point 3 than at the other points, while the same Zr amounts were observed for the 10 wt% sample.