

Supplementary Information

Improvement of nanofibrillation efficiency of α -chitin in water by selecting acid used for surface cationisation

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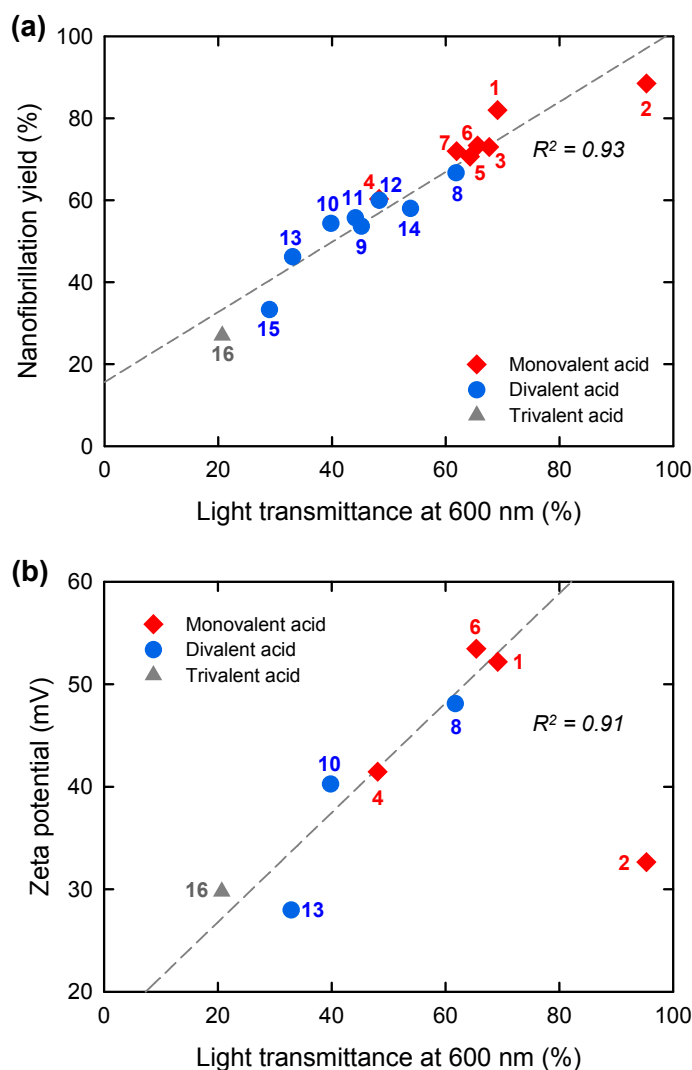


Fig. S1-1. Relationship between light transmittance at 600 nm of aqueous PDACH dispersions at pH 3.5 and (a) nanofibrillation yield, (b) zeta potential of nanoelements. Numbers correspond to acids shown in Fig. 1.

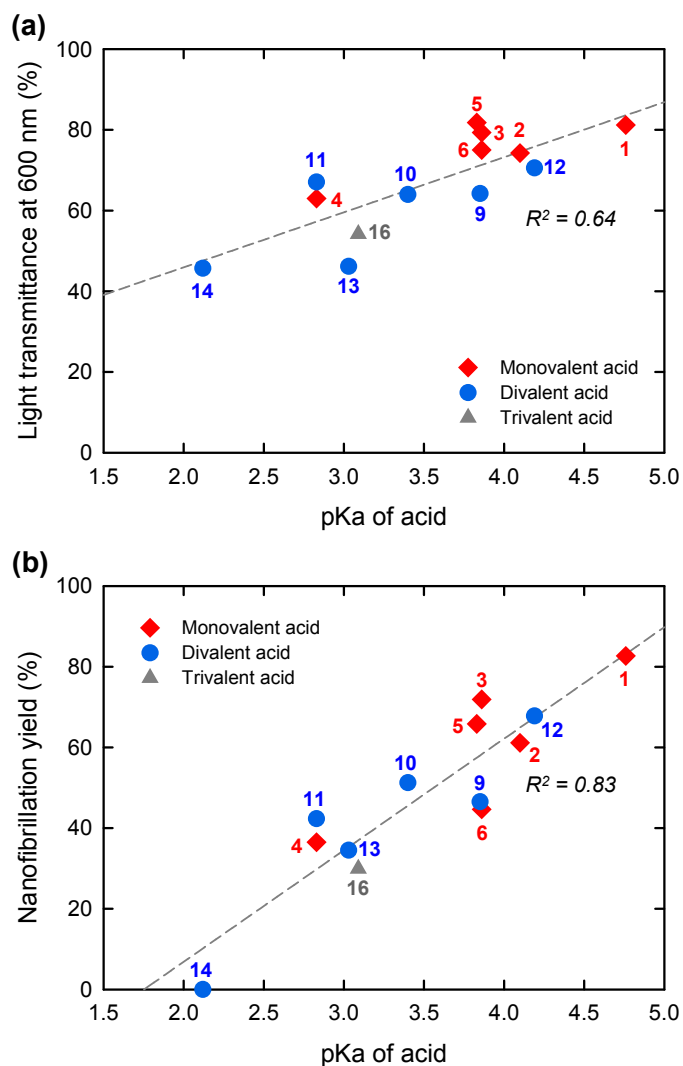


Fig. SI-2. Relationship between pKa of acids and light transmittance at 600 nm of aqueous PDACH/acid dispersions at a constant acid concentration of 0.04 M. Numbers correspond to the acids shown in Fig. 1.