Electronic Supplementary Information

Green and catalyst-free preparation of triazinyl polyimide for efficient adsorption of glycoproteins

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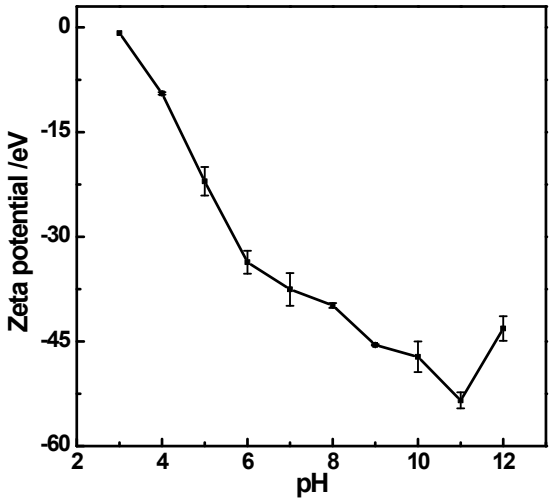

Fig. S1. Zeta potential of MA-PI within pH 3-12.

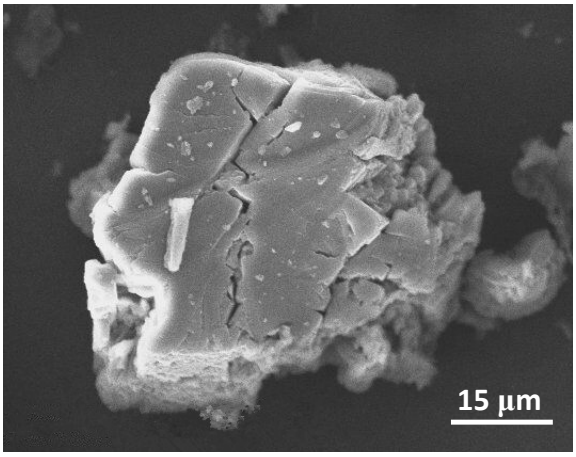

Fig. S2. SEM image of MA-PI.

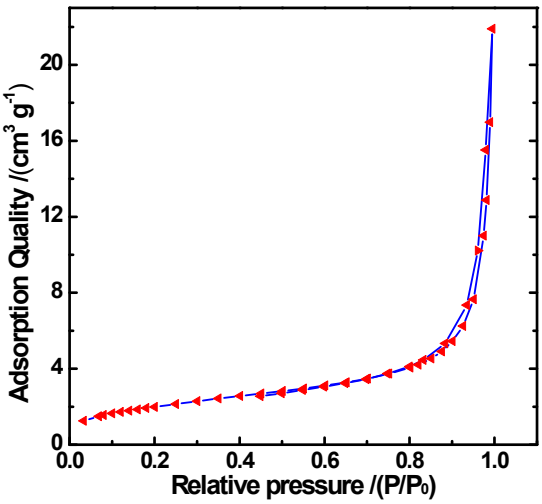

Fig. S3. N_2 adsorption/desorption isotherms of MA-PI.

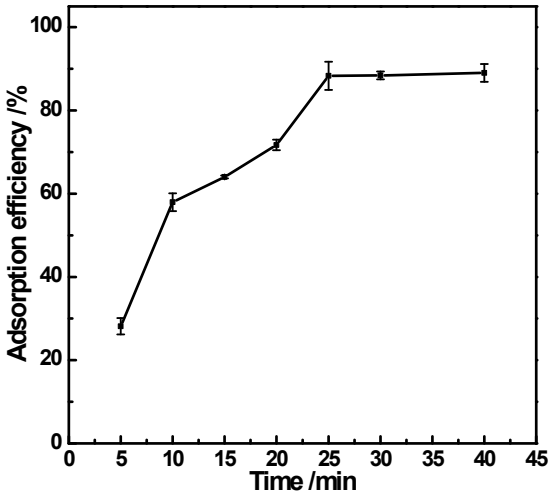

Fig. S4. The time-dependent adsorption behavior of Ova onto the surface of MA-PI. Concentration/volume of protein solution: 70 mg L^{-1}/1.0 mL; Amount of adsorbent: 1.0 mg.

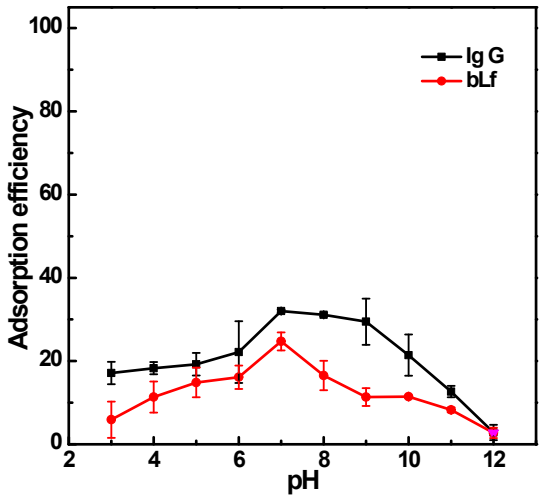

Fig. S5. The pH-dependent adsorption behaviors of IgG and bLf onto the surface of MA-PI. Concentration/volume of protein solution: 70 mg L^{-1}/1.0 mL; Amount of adsorbent: 1.0 mg; Adsorption time: 30 min.

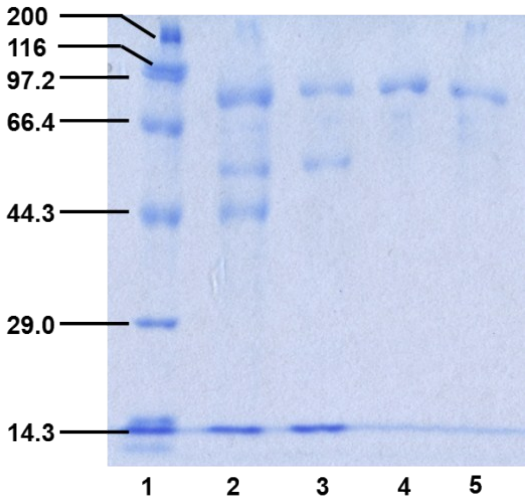

Fig. S6. SDS-PAGE assay results. Lane 1: Marker (KDa); Lane 2: Protein mixture before adsorption by the MA-PI; Lane 3: Protein mixture after adsorption by the MA-PI; Lane 4: bLf standard solution of 100 μg mL^{-1}; Lane 5: ConA standard solution of 100 μg mL^{-1}. The protein mixture consists of 200 μg mL^{-1} of Ova, 100 μg mL^{-1} of Ig G, ConA, bLf and Lys.