Supplementary Material for

Chlorine Disinfection Enhances the Degradation of Biodegradable Microplastics into Nanoplastics and Dissolved Organic Carbon in Simulated Disinfection Process

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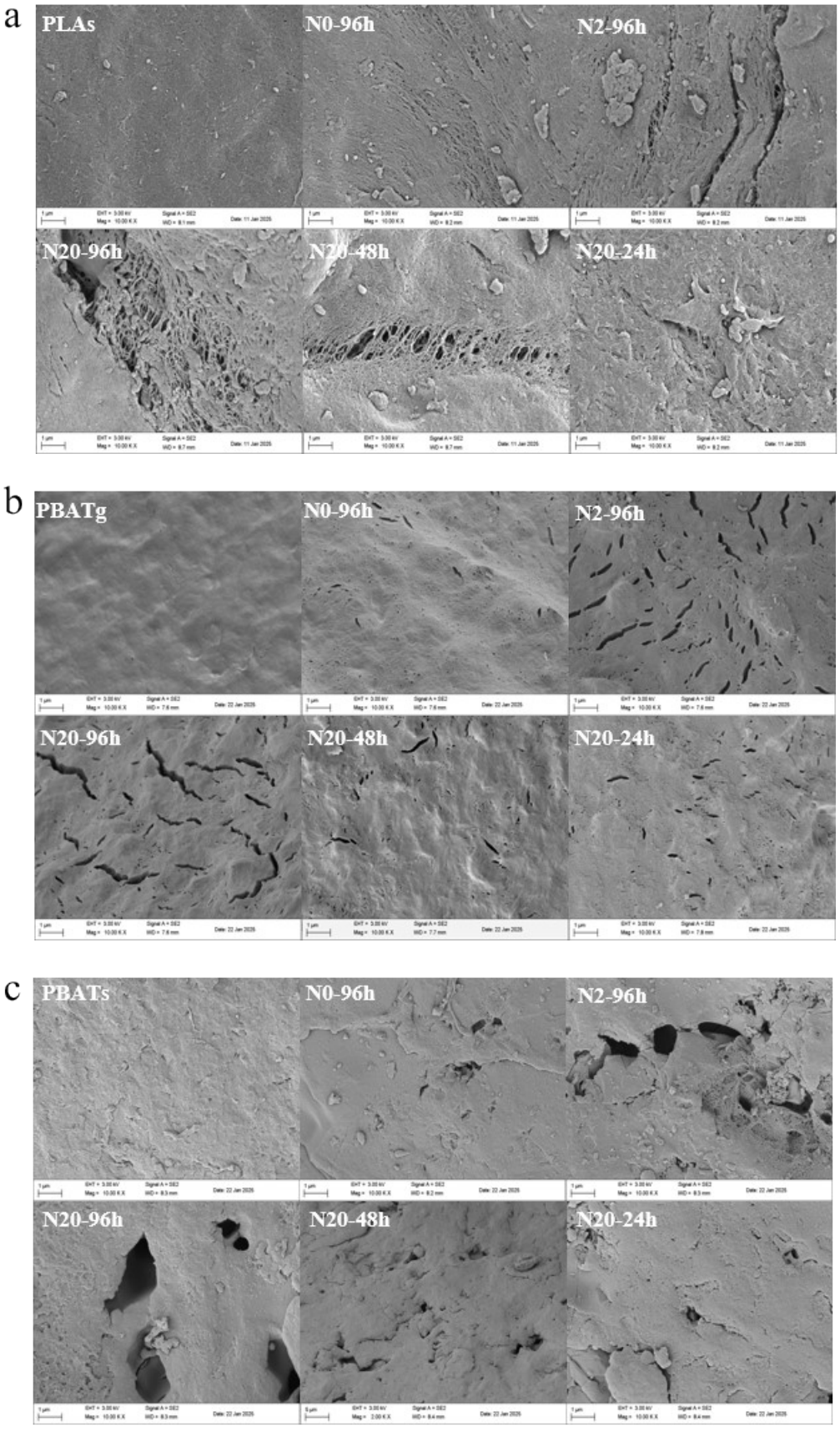

Fig. S1 Scanning electron micrographs of (a) PLAs, (b) PBATg and (c) PBATs under different aging conditions

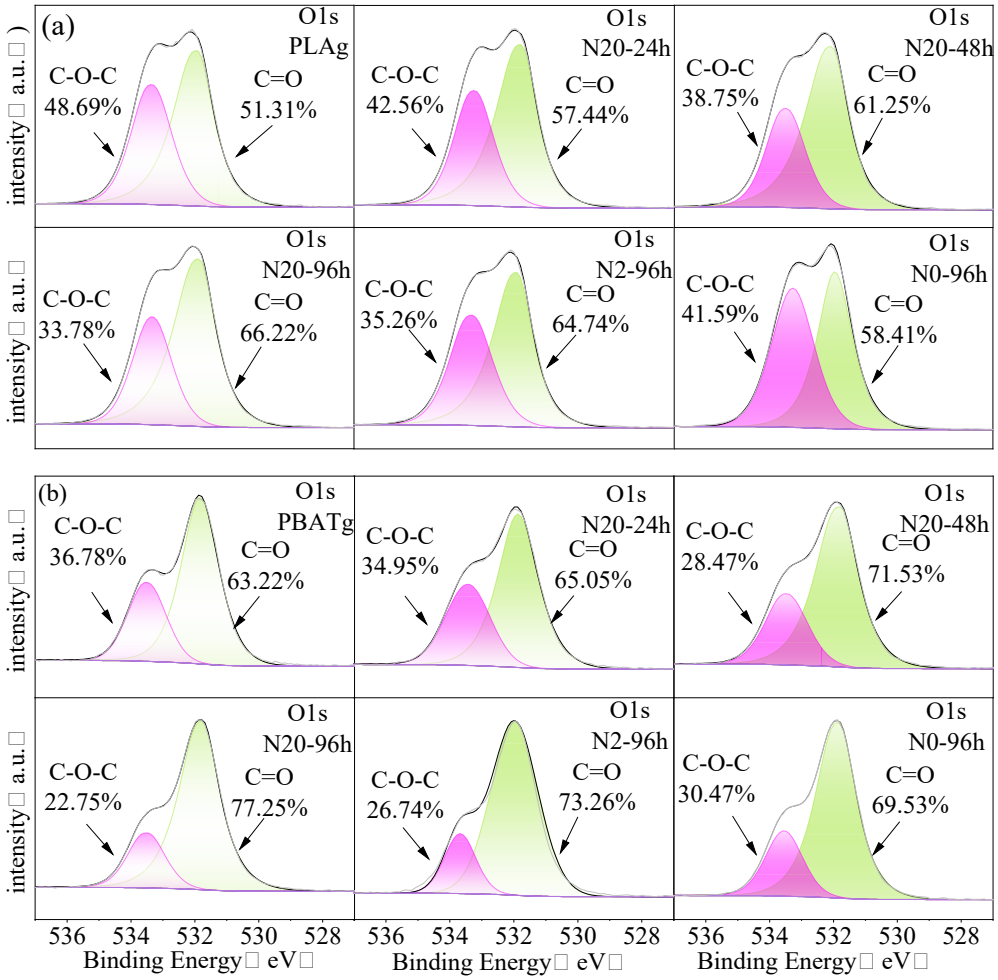

Fig.S2 XPS high-resolution spectra of O1s of PLA under different aging conditions. (a) PLAg, (b) PLAs

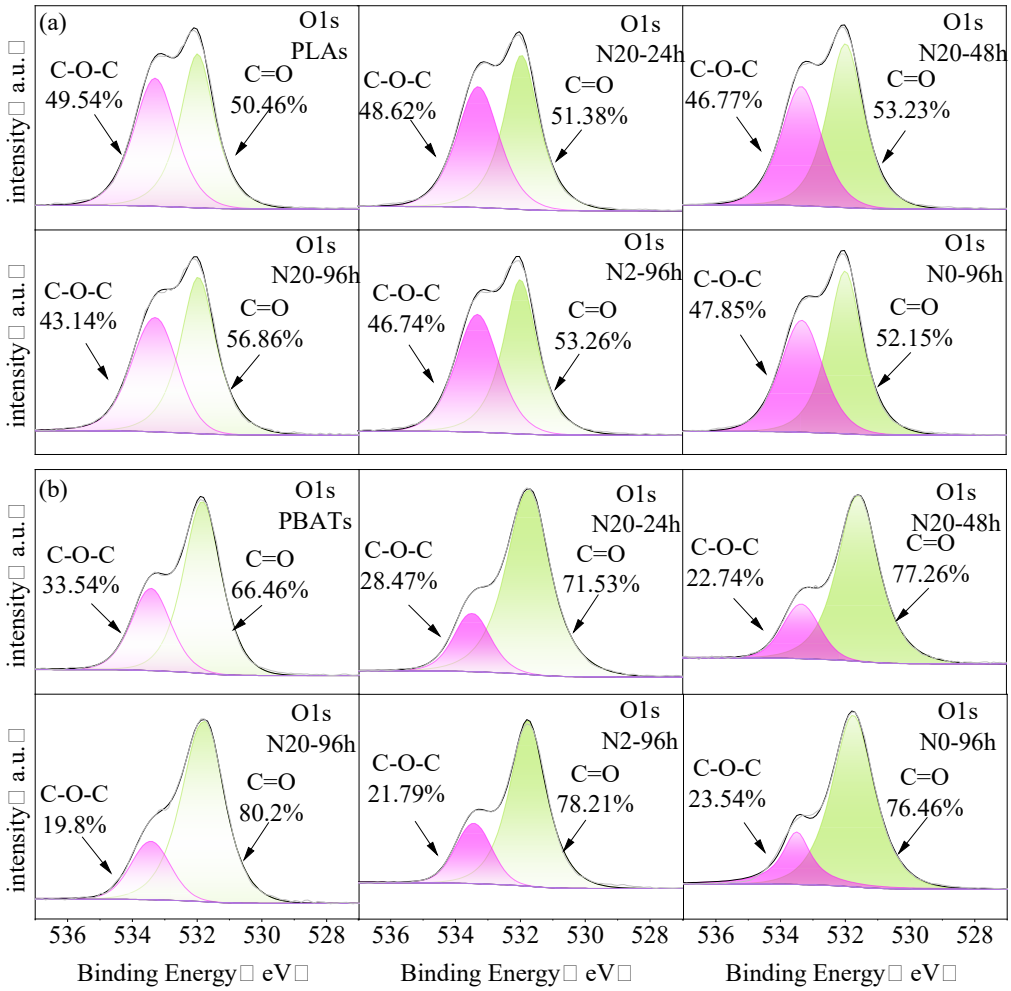

Fig. S3 XPS high-resolution spectra of O1s of PBAT under different aging conditions. (a) PBATg, (b) PBATs

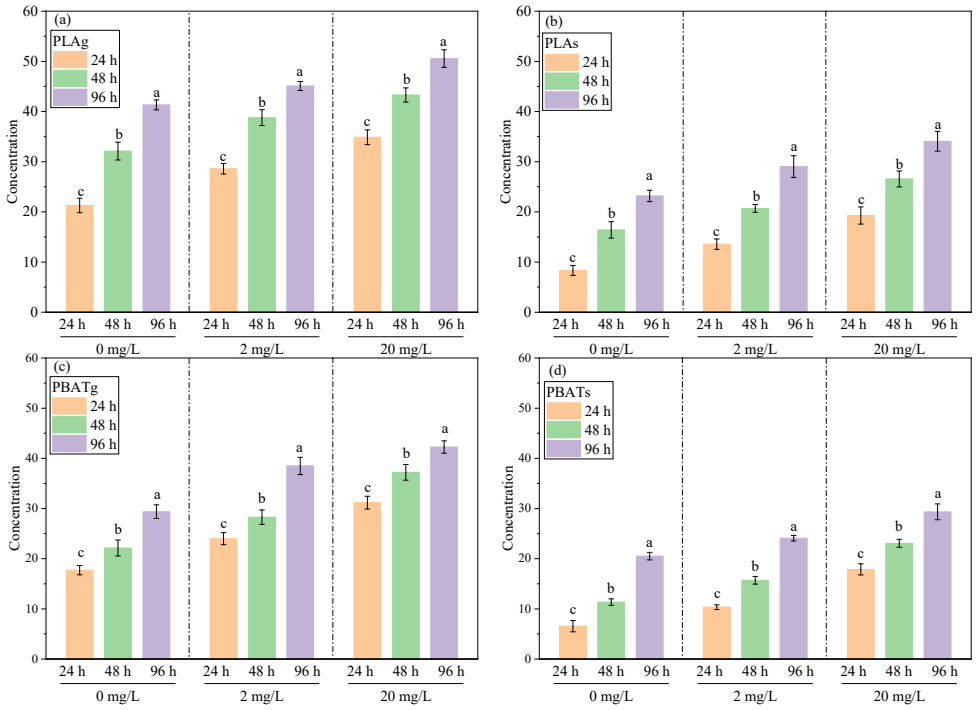

Fig.S4 Determination of soluble organic carbon (DOC) in the filtrate after aging of (a) PLAg, (b) PLAs, (c) PBATg and (d) PBATs