

Supporting Information

**Toxicity mechanisms of photodegraded
polyvinyl chloride nanoplastics on pea
seedlings**

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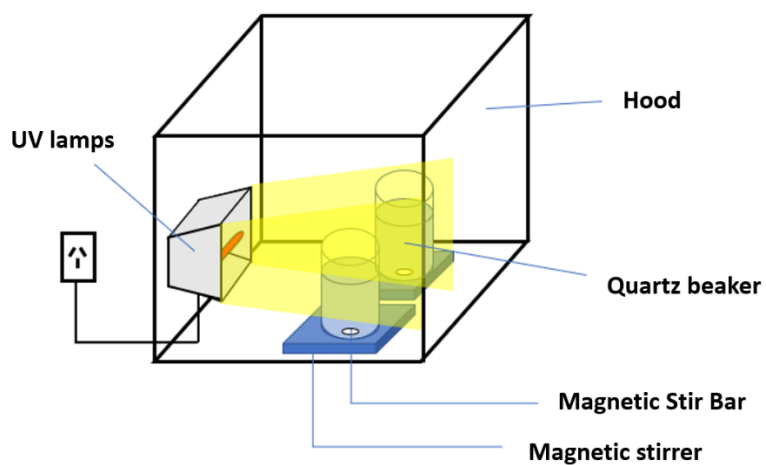


Figure S1 UV light radiation experimental set-up



Figure S2 Photos of PVC-NPs receiving UV light radiation

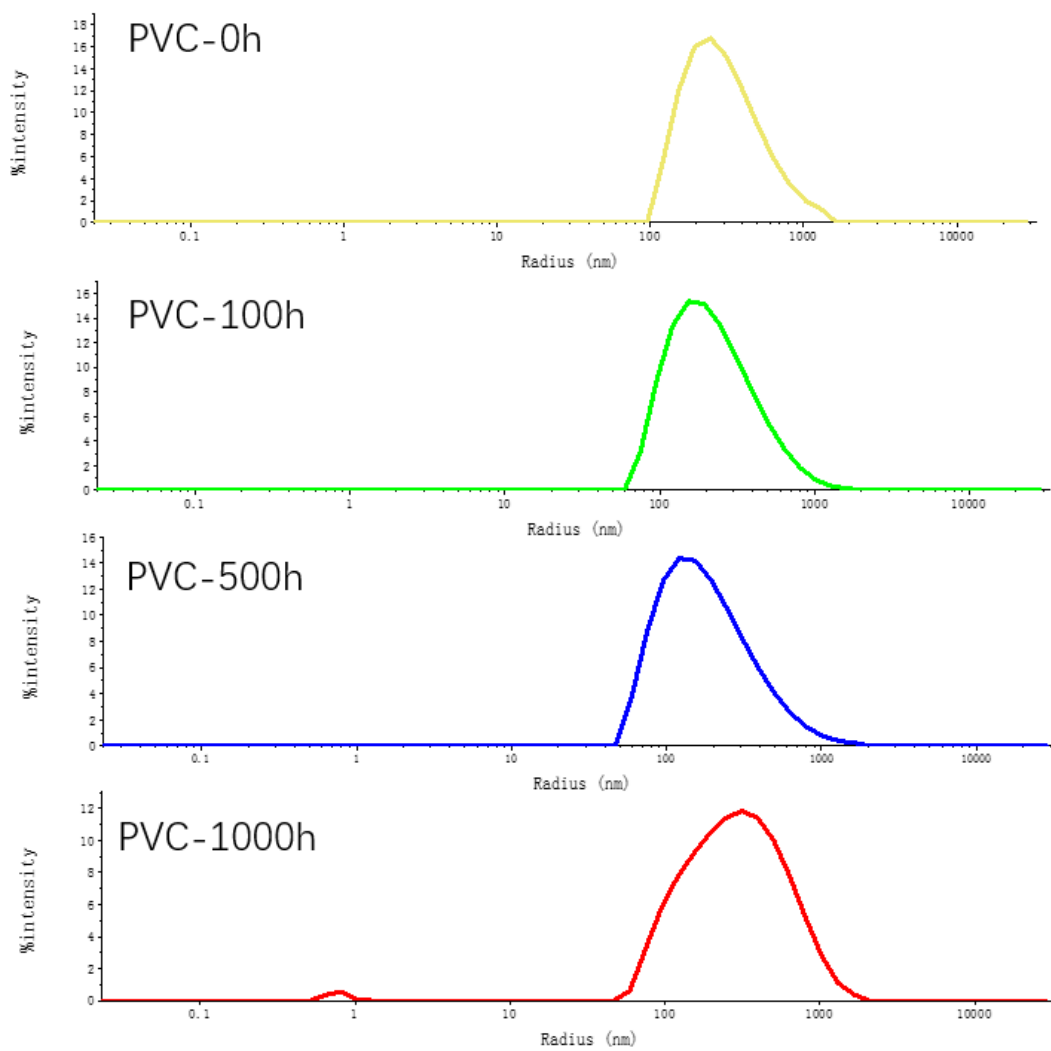


Figure S3 Particle size distribution of PVC-NPs receiving UV light radiation

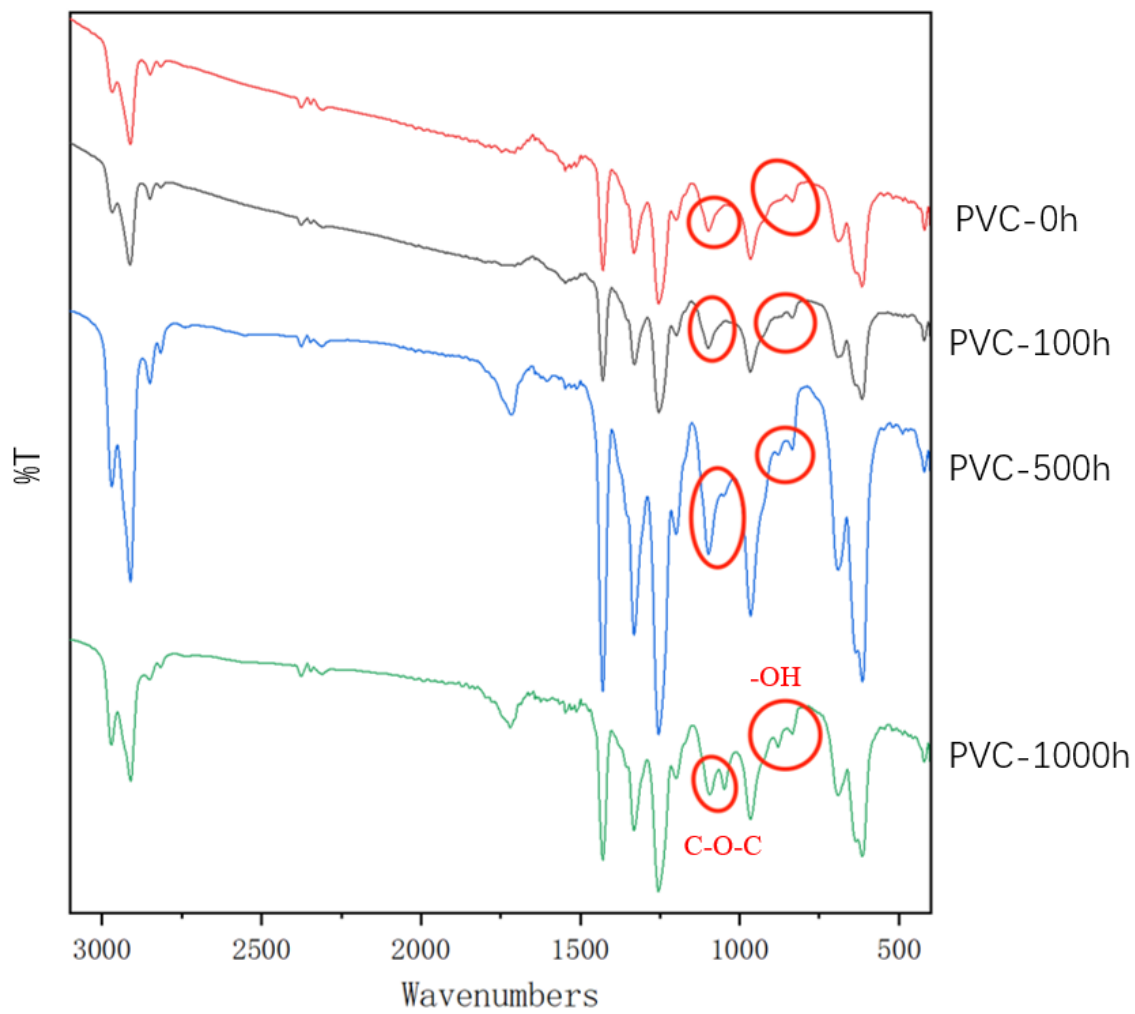


Figure S4 FTIR spectrum of the PVC-NPs receiving UV light radiation

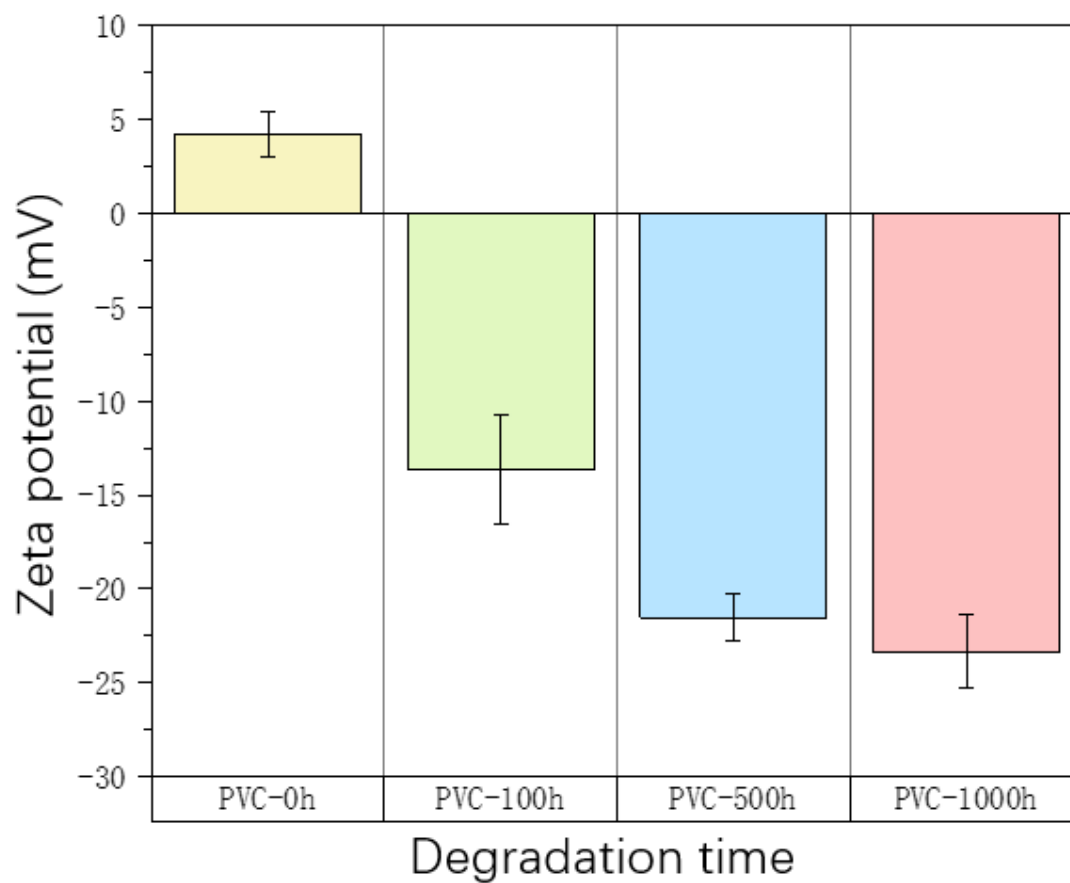


Figure S5 Zeta potential changes of the PVC-NPs receiving UV light radiation

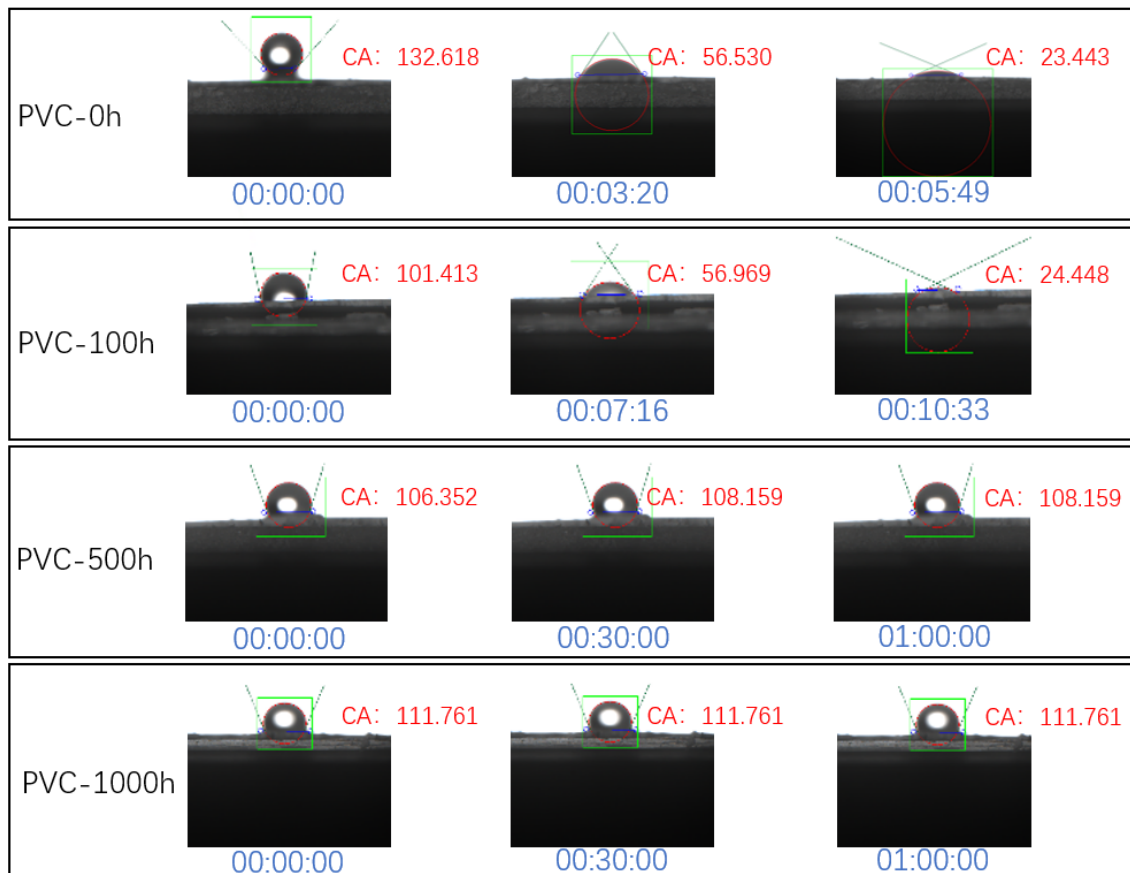


Figure S6 Contact angle (CA) changes of the PVC-NPs receiving UV light radiation

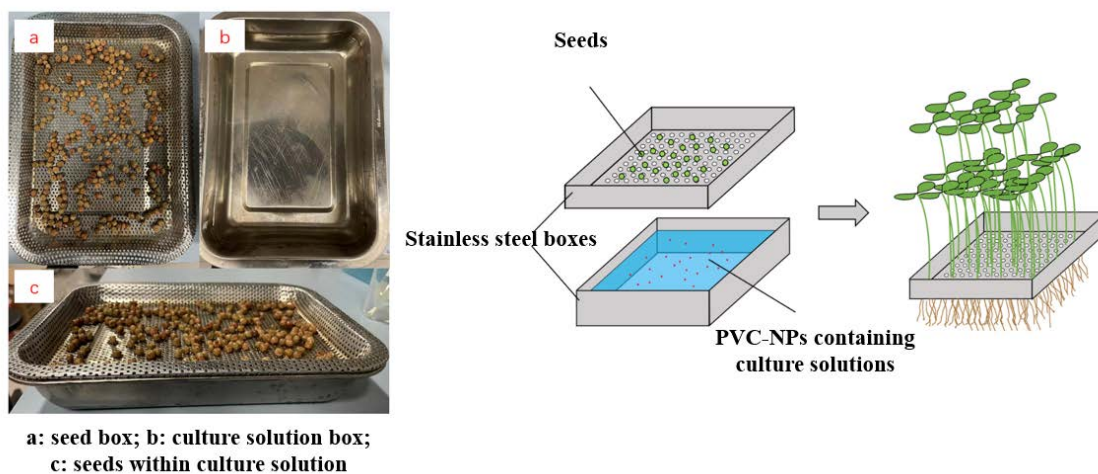


Figure S7 Exposure experimental set-up

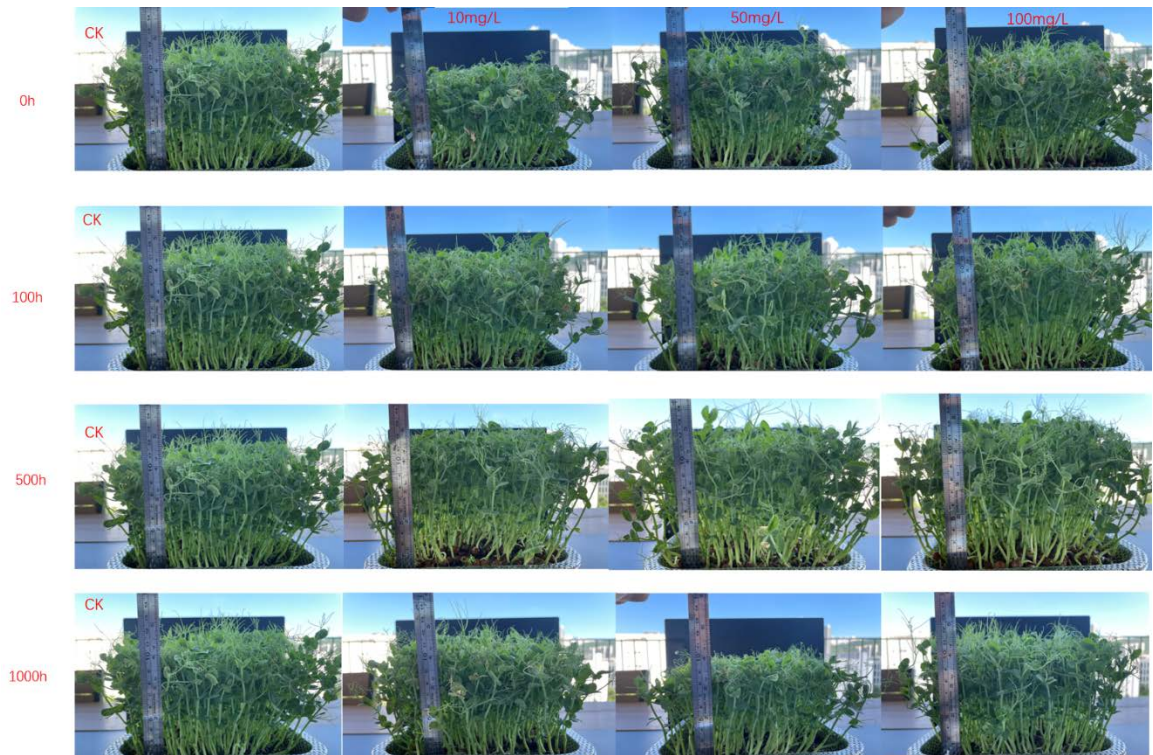


Figure S8 Photos of pea seedlings after 15-day growth

(CK: blank group)

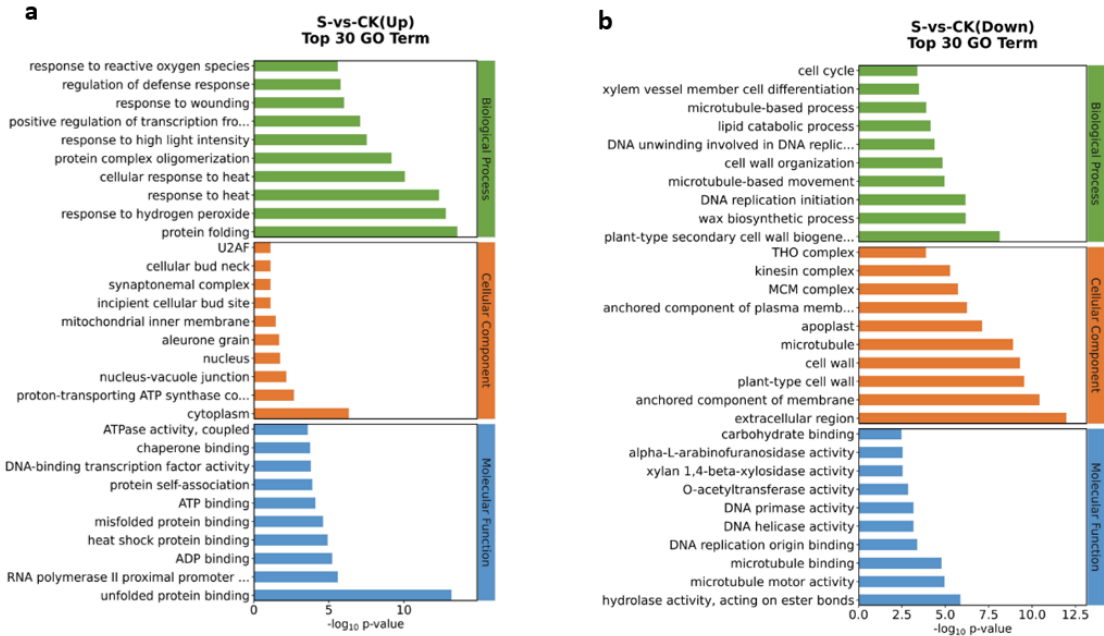


Figure S9 GO enrichment analysis plots

(a: up-regulated DEGs; b: down-regulated DEGs)

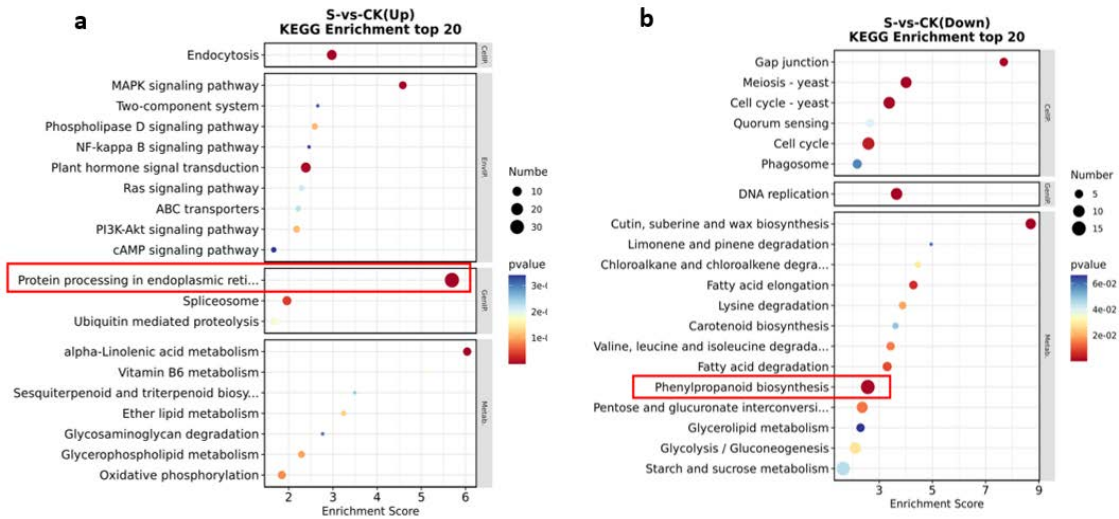


Figure S10 KEGG enrichment bubble charts

(a: up-regulated DEGs; b: down-regulated DEGs)