Solvent Exchange Triggered Solidification of Peptide/POM Coacervates for Enhancing the On-Site Underwater Adhesion

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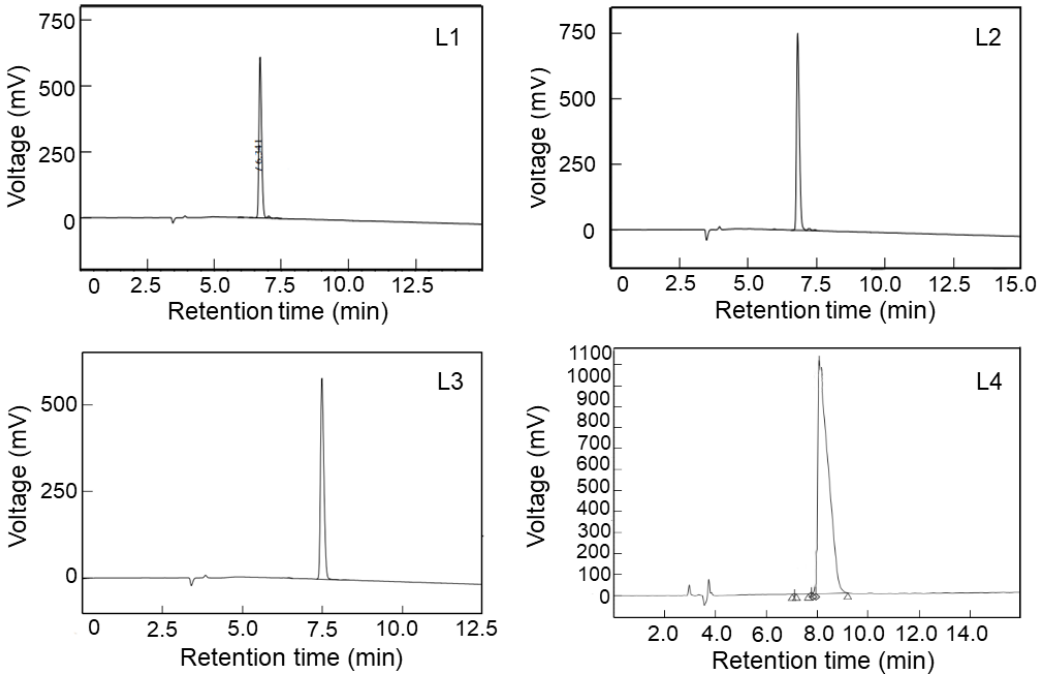


Figure S1. HPLC data of the short peptides.

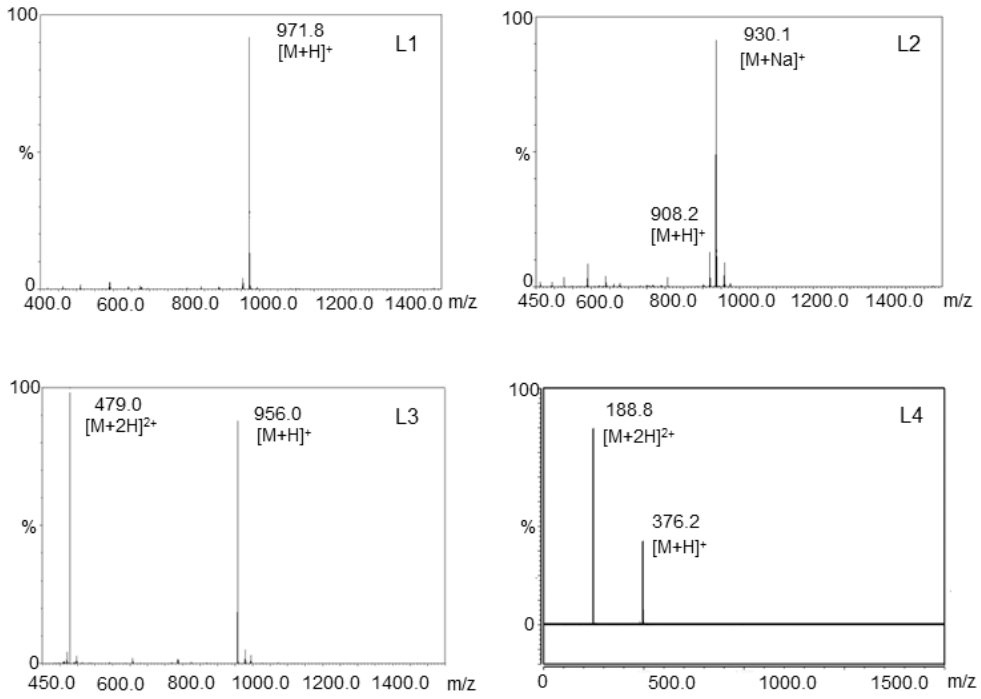


Figure S2. MS data of the short peptides.

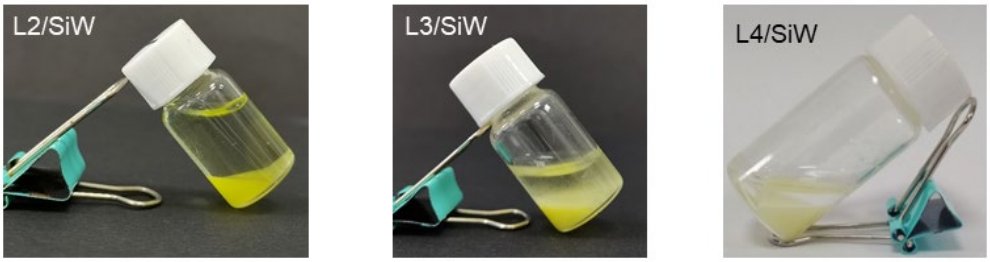


Figure S3. Photographs of L2/SiW (C_2H_5OH/H_2O 1:2), L3/SiW (C_2H_5OH/H_2O 5:1) and L4/SiW (DMSO/H_2O 1:2) coacervates.

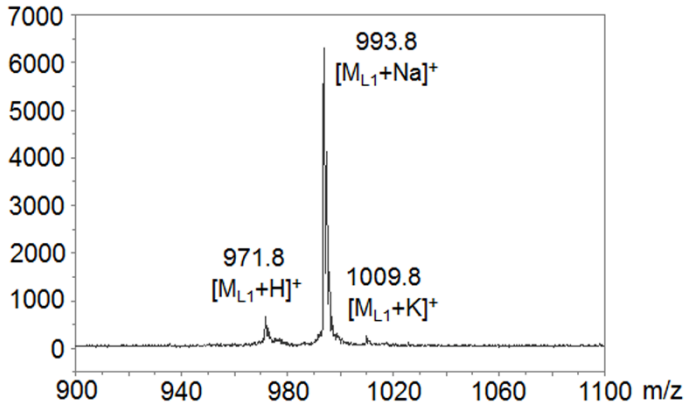


Figure S4. MALDI-TOF-MS data of L1/SiW coacervate in a positively ionic reflector mode.

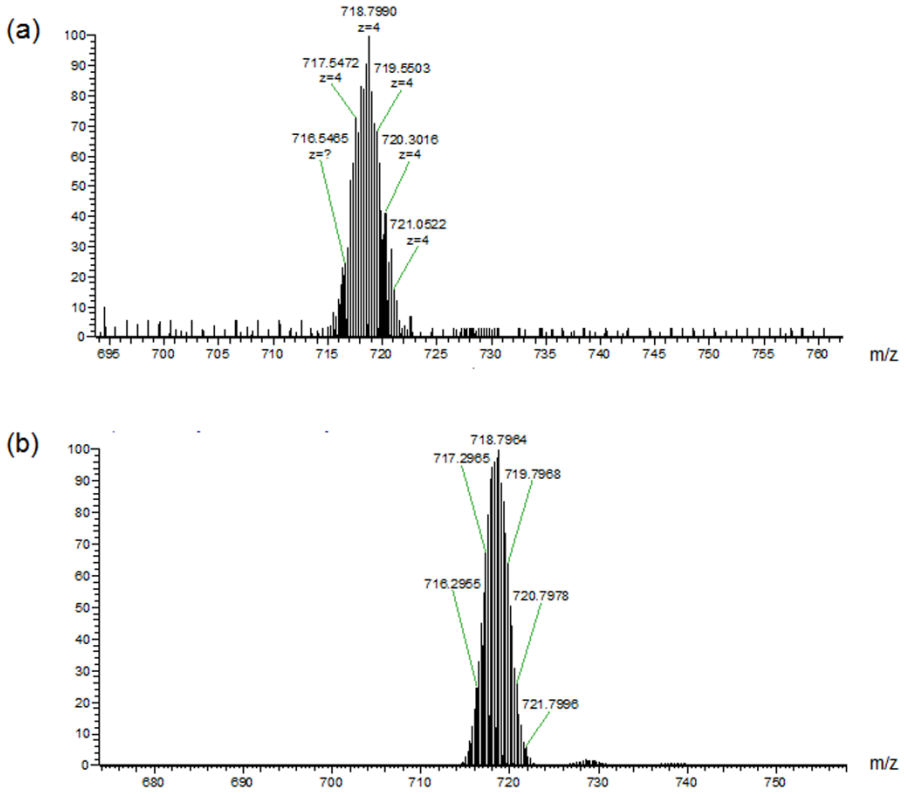


Figure S5. ESI-MS data of L1/SiW sample (a) and individual SiW sample in negatively ionic reflector mode.

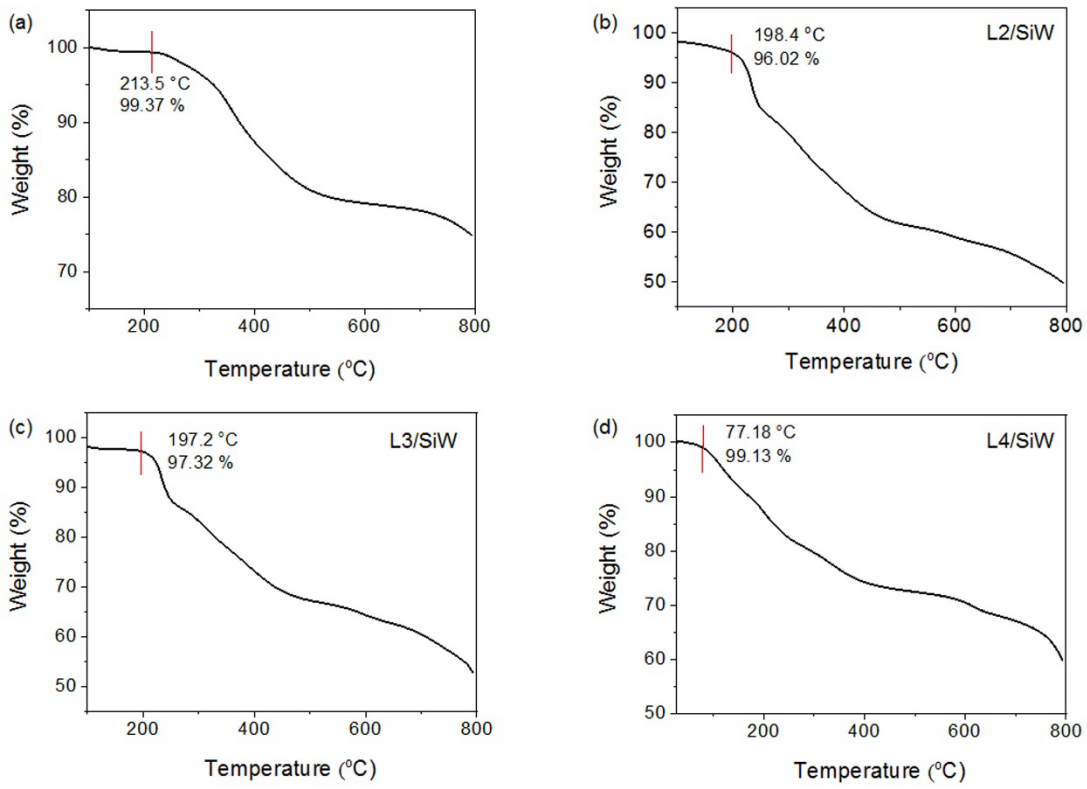


Figure S6. TGA curve of the lyophilized coacervate samples: (a) L1/SiW; (b) L2/SiW; (c) L3/SiW; (d) L4/SiW.

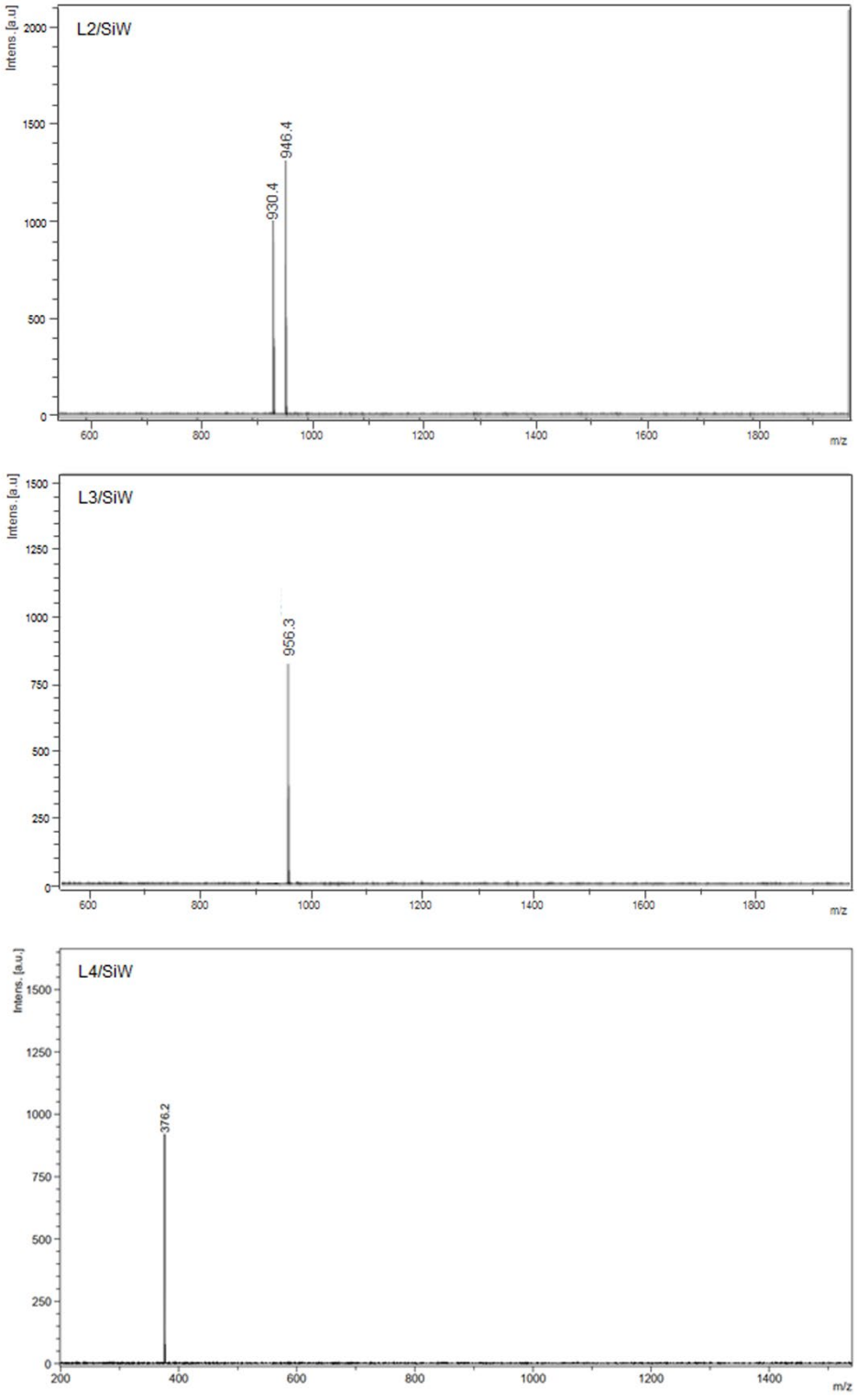


Figure S7. MALDI-TOF-MS data of diverse coacervate samples.

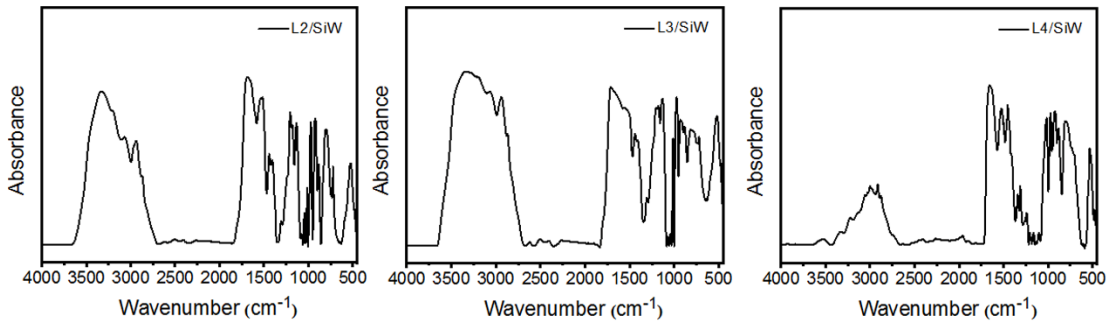


Figure S8. FT-IR spectra of L2/SiW, L3/SiW and L4/SiW coacervates.

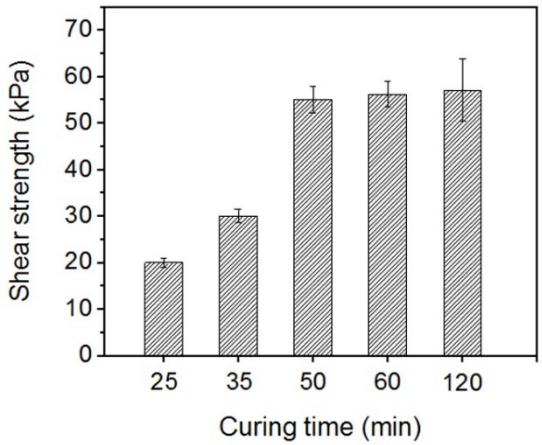


Figure S9. Shear adhesion strength of L1/SiW bonded on SS with different solvent-exchange time.

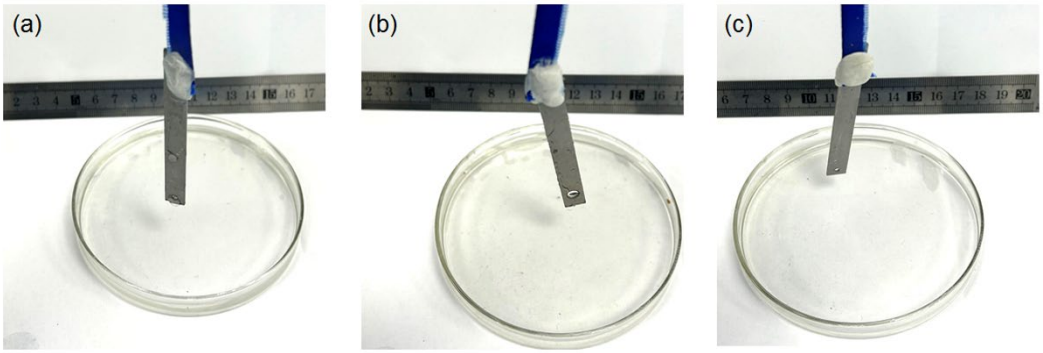


Figure S10. The solvent-exchange triggered curing of L4/SiW coacervate in tap water (a), river water (b) and 100 mM NaCl solution (c), respectively.