

Supplementary Information for

Synthesis, Characterization and Anti-fogging Application of Polymer/ Al_2O_3 Nanocomposite Hydrogels with High Strength and Self-healing Capacity

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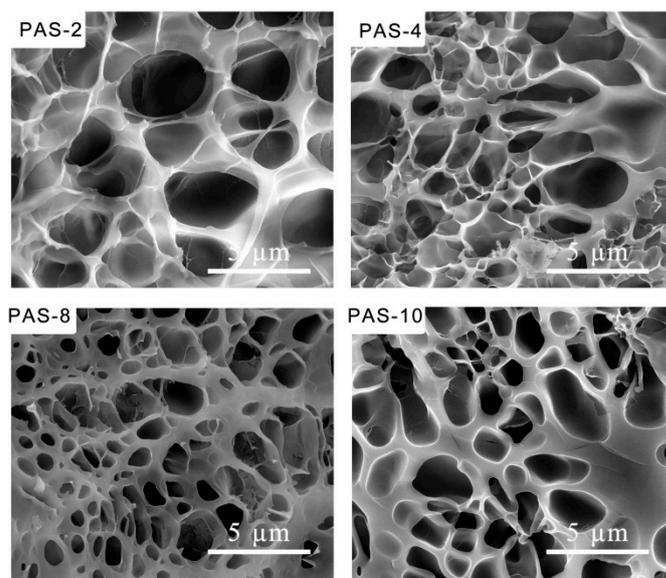


Figure S1. SEM images of PAS-2 gel, PAS-4 gel, PAS-8 gel and PAS-10 gel.

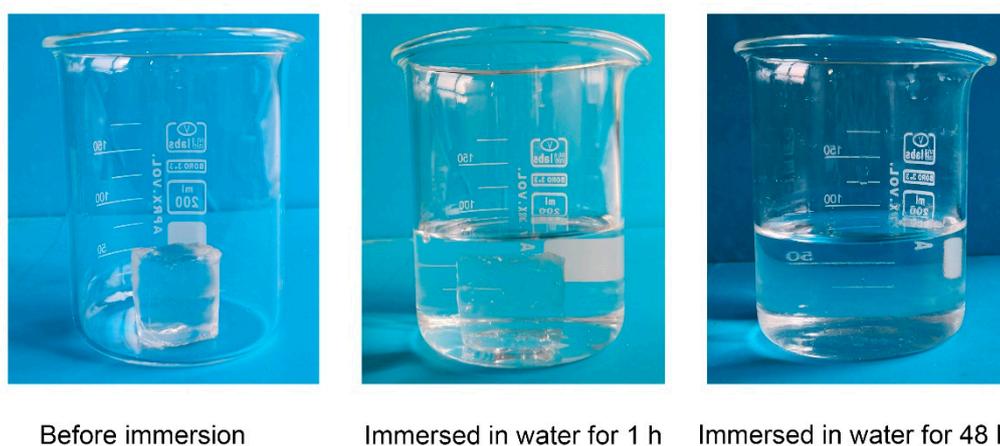


Figure S2. Illustration of the dissolution of neat poly (AA-co-AMPS) gels without Al_2O_3 NPs

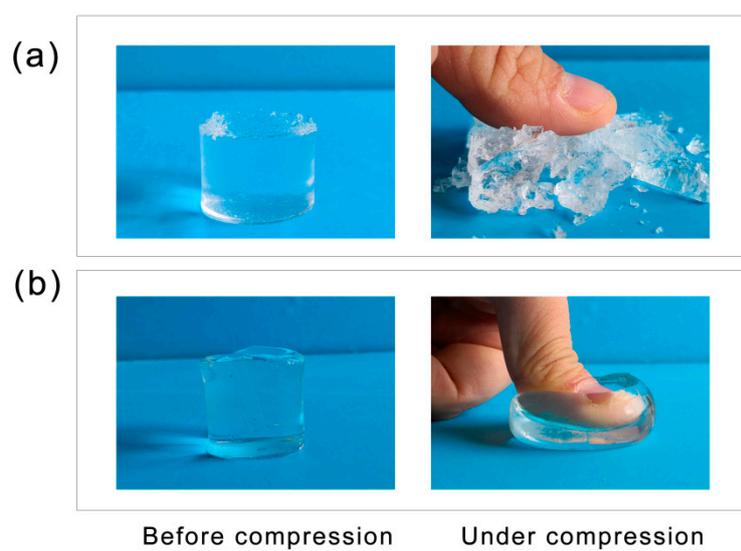


Figure S3. Illustration of mechanical properties of (a) BIS cross-linked hydrogel and (b) neat poly (AA-co-AMPS) hydrogel.

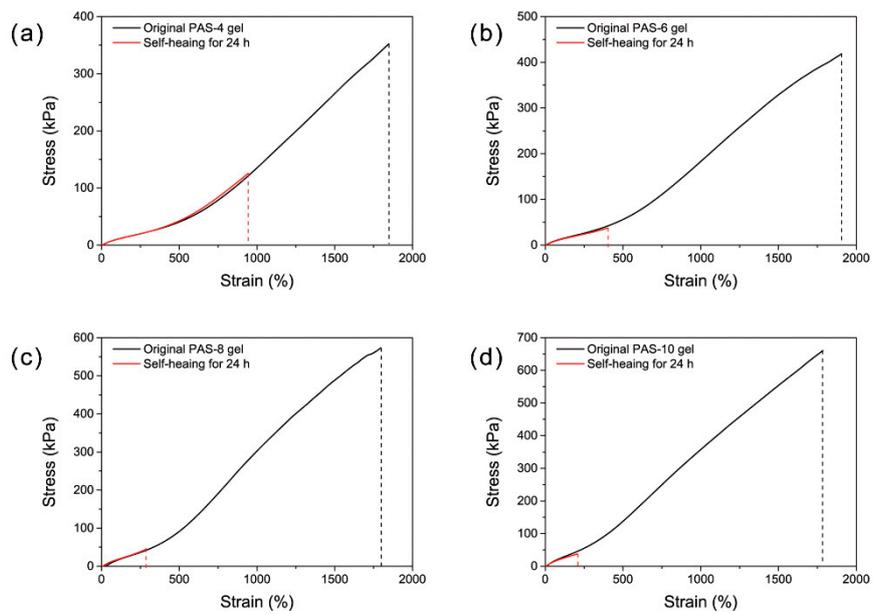


Figure S4. Stress-strain curves of original and healed PAS gels