

# Supporting Information

## Electroconductive and Free-shapeable Nanocomposite Hydrogels with Ultrafast Self-Healing Property and High Stretchability Performances

Jie Ren\*, Lingling Zhao, Lan Zhang, Xuemiao Wang, Yan Li, Wu Yang

Chemistry & Chemical Engineering College, Northwest Normal University, Key Lab of

Bioelectrochemistry & Environmental Analysis of Gansu, Key Lab of Polymer Materials of

Ministry of Education of Ecological Environment, Lanzhou, 730070, PR China

**Table S1.** The feed amounts of the hydrogels.

| Samples | Ag/RGO | PVA | Agarose | AM  | Glycerol | Borax | MBA  | Irgacure2959 |
|---------|--------|-----|---------|-----|----------|-------|------|--------------|
|         | (wt%)  | (g) | (g)     | (g) | (mL)     | (g)   | (g)  | (g)          |
| G1      | 0.14   | 0.5 | 0.2     | 1   | 0.5      | 0.1   | 0.05 | 0.05         |
| G2      | 0.28   | 0.5 | 0.2     | 1   | 0.5      | 0.1   | 0.05 | 0.05         |
| G3      | 0.47   | 0.5 | 0.2     | 1   | 0.5      | 0.1   | 0.05 | 0.05         |
| G4      | 0.61   | 0.5 | 0.2     | 1   | 0.5      | 0.1   | 0.05 | 0.05         |

\*Corresponding author: E-mail: [jieren@nwnu.edu.cn](mailto:jieren@nwnu.edu.cn)