

Supporting Information

Rapid synthesis of noble metal colloids by plasma-liquid interactions

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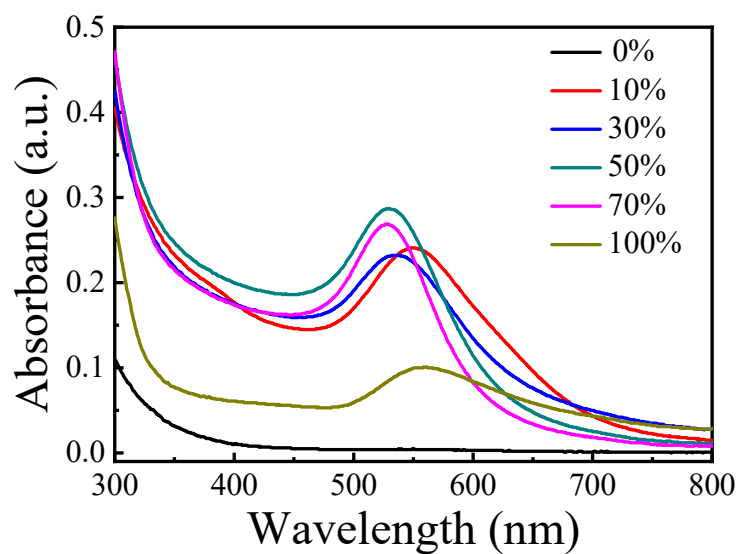


Figure S1. UV-Vis absorption spectra of HAuCl_4 precursor solution reduced with different contents of ethanol under the same plasma treatment condition.

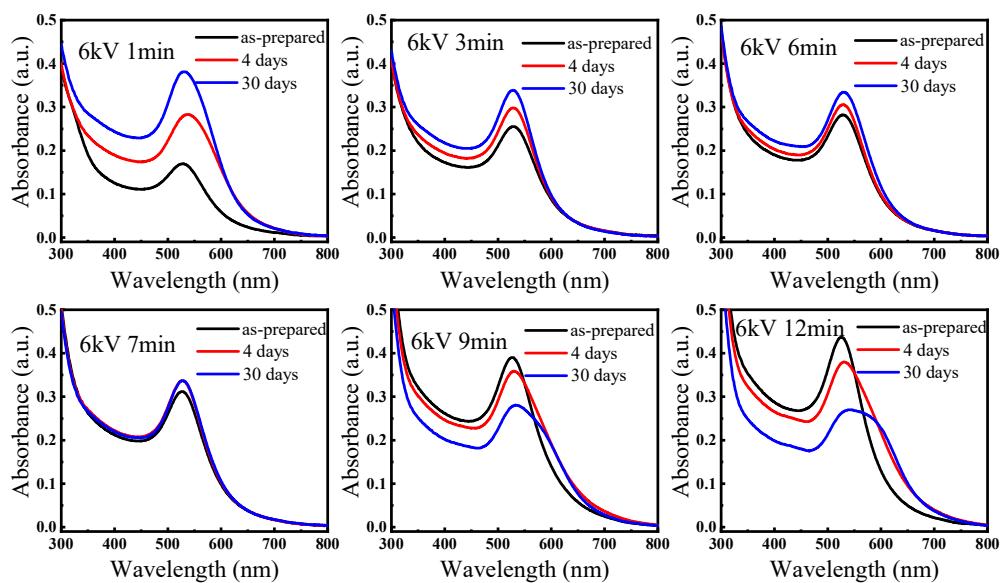


Figure S2. Time-dependent UV-Vis absorption spectra of the reduced HAuCl_4 precursor solution at different discharge times with a discharge voltage of 6 kV and 5% PVP.

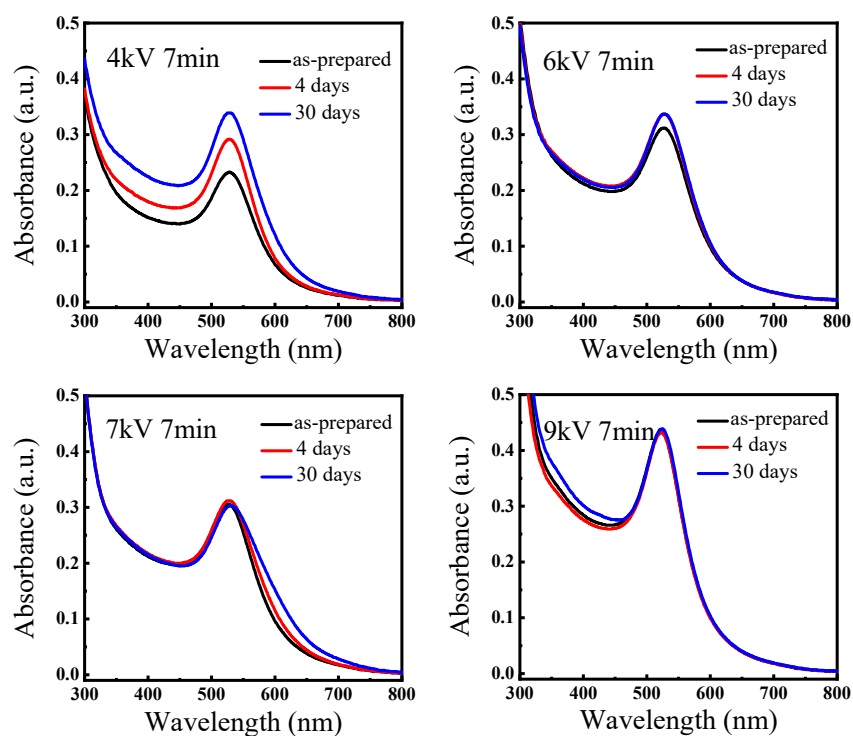


Figure S3. Time-dependent UV-Vis absorption spectra of the reduced HAuCl_4 precursor solution with different discharge voltages at a discharge time of 7 min and 5% PVP.

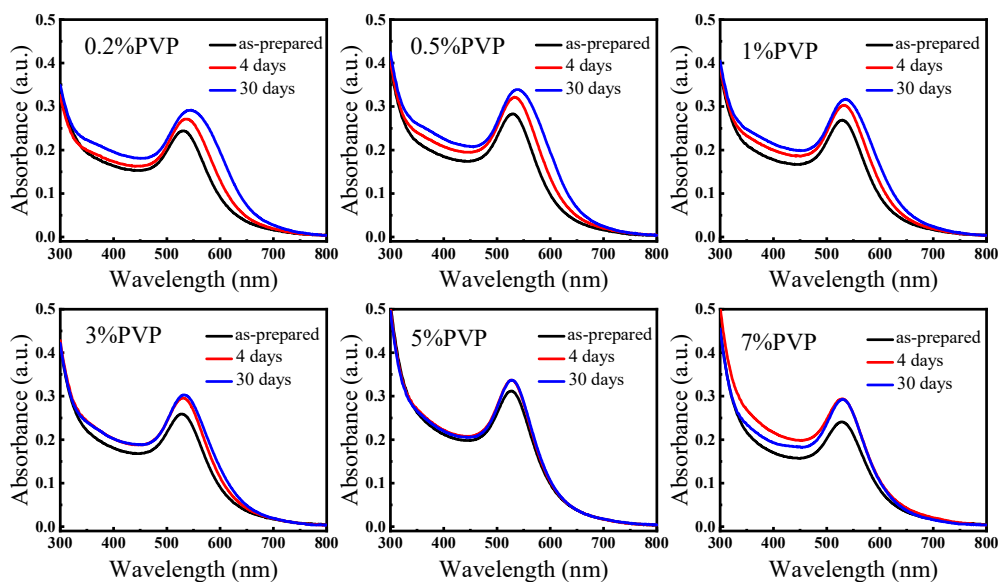


Figure S4. Time-dependent UV-Vis absorption spectra of HAuCl_4 precursor solutions reduced with different contents of PVP at a discharge voltage of 6 kV and a discharge time of 7 min.

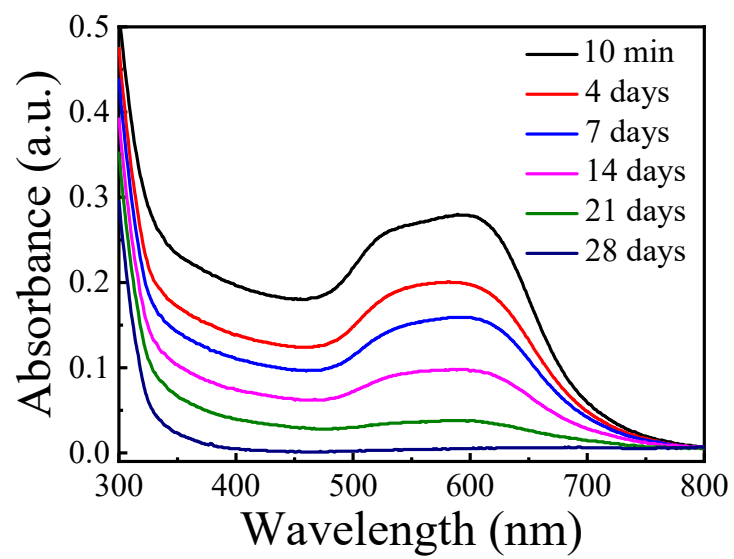


Figure S5. UV-Vis absorption spectra of gold colloid solution without PVP protection over time.