

Supplementary Information

Fabrication of Ultra-Fine Ag NPs on TiO₂ Thin Films by Alcohol-Assisted Photodeposition Process for Photocatalysis-Related Applications

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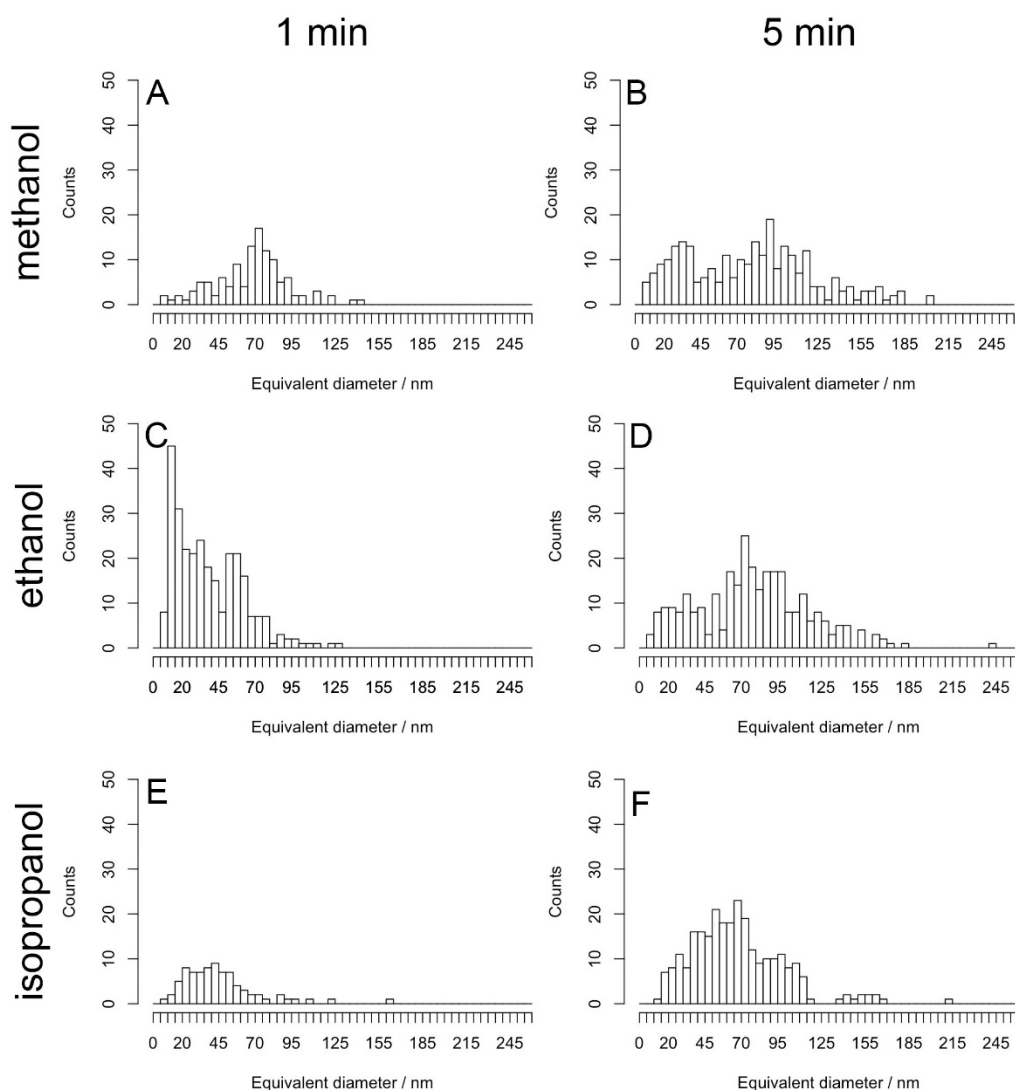


Figure S1. The particle size distribution histogram of Ag NPs on TiO₂ thin film photodeposited in different 25% alcohol media (methanol, ethanol, and 1-propanol) at different UV exposures.

Table S1. The chemical composition of the prepared samples in different 50% alcohol media (methanol, ethanol, and 1-propanol) for 5 minutes.

Photodeposition Media	Atomic Composition (%)			
	O 1s	C 1s	Ag 3d	Ti 2p
Methanol	51.98	24.32	4.91	18.79
Ethanol	53.92	23.26	4.47	18.35
1-propanol	56.15	21.77	2.88	19.20

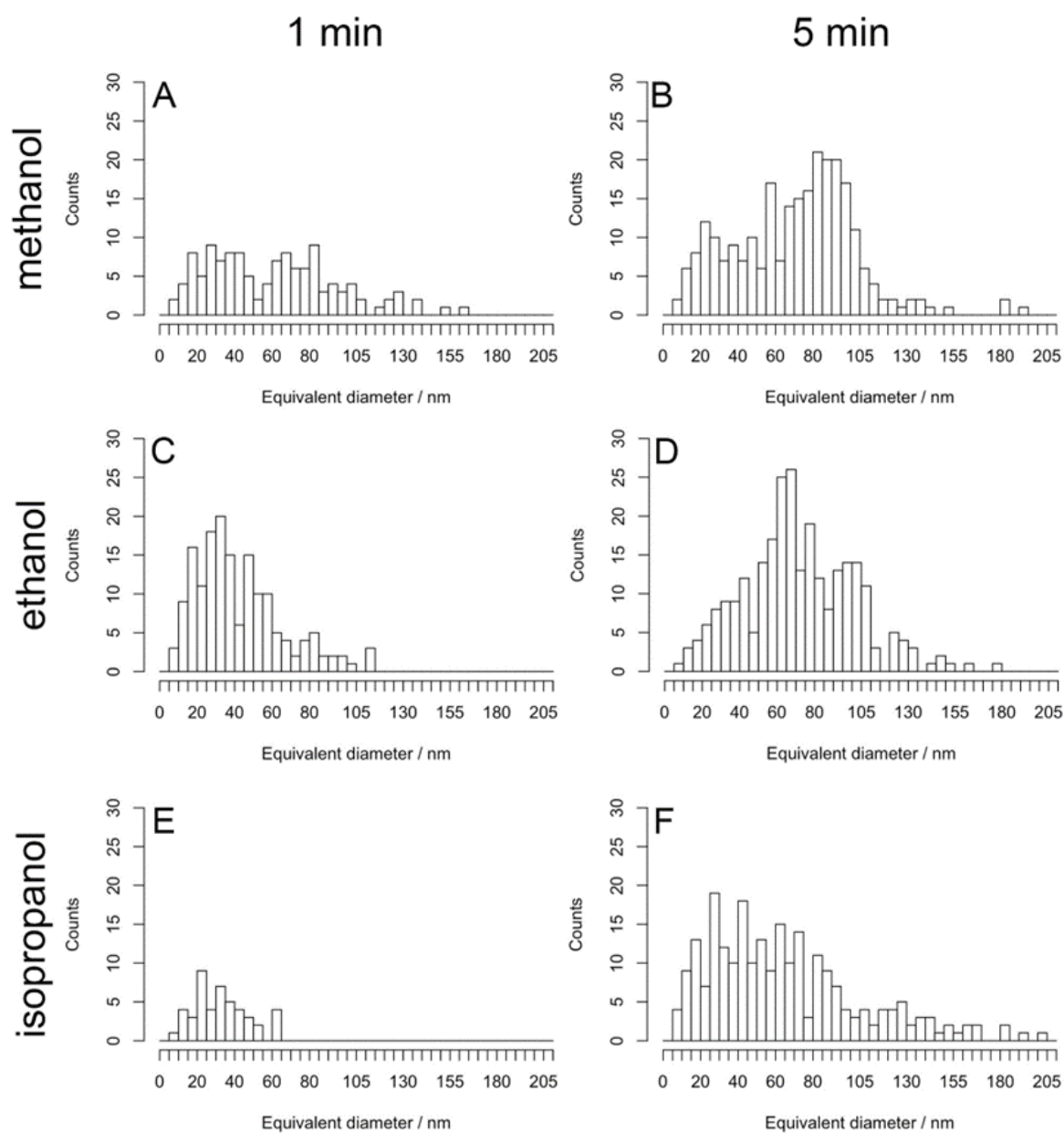


Figure S2. The particle size distribution histogram of Ag NPs on TiO₂ thin film photodeposited in different 50% alcohol media (methanol, ethanol, and 1-propanol) at different UV exposures.

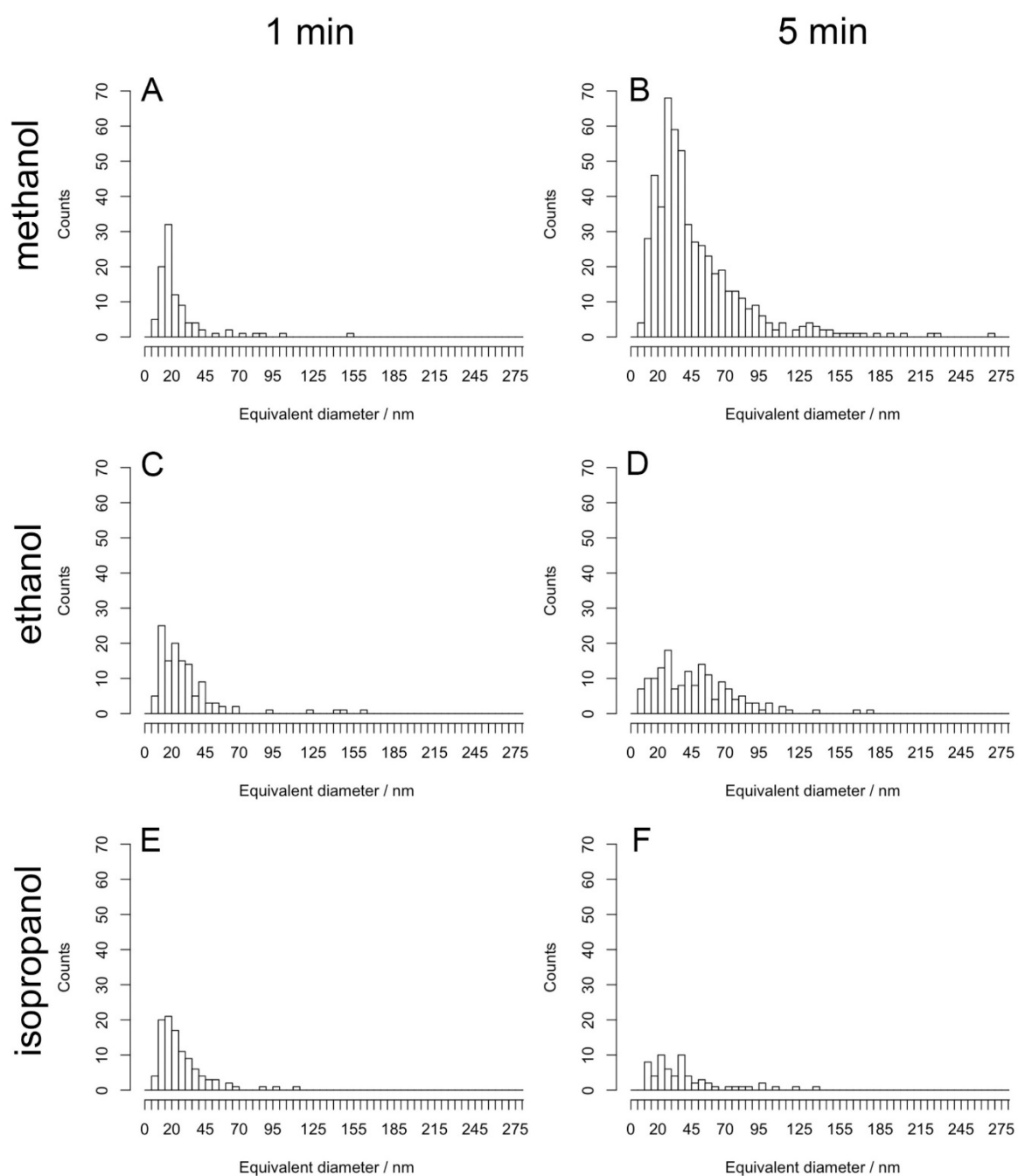


Figure S3. The particle size distribution histogram of Ag NPs on TiO₂ thin film photodeposited in different 100% alcohol media (methanol, ethanol, and 1-propanol) at different UV exposures.