

Materials List for:

***In Situ* Synthesis of Gold Nanoparticles without Aggregation in the Interlayer Space of Layered Titanate Transparent Films**

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Materials

Name	Company	Catalog Number	Comments
Methyl viologen dichloride	Aldrich Chemical Co., Inc.	1910-42-5	
Tetrabutylammonium hydroxide	TCI	T1685	
cesium carbonate	Kanto Chemical Co., Inc.	07184-33	
anatase titanium dioxide	Ishihara Sangyo Ltd.	ST-01	
hydrochloric acid	Junsei Chemical Co., Ltd.	20010-0350	
sodium hydroxide	Junsei Chemical Co., Ltd.	195-13775	
Tetrachloroauric(III) acid trihydrate	Kanto Chemical Co., Inc.	17044-60	
sodium tetrahydroborate	Junsei Chemical Co., Ltd.	39245-1210	
2-ammoniummethanethiol hydrochloride	TCI	A0296	
Ultrapure water (0.056 μ S/cm)			Milli-Q water purification system (Direct-Q [®] 3UV, Millipore)
Microscope slide (Thickness: 1.0–1.2 mm)	Matsunami glass Co., Ltd.		