

Materials List for:

A Facile Synthetic Method to Obtain Bismuth Oxyiodide Microspheres Highly Functional for the Photocatalytic Processes of Water Depuration

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Materials

Name	Company	Catalog Number	Comments
Bismuth(III) nitrate pentahydrate	Sigma Aldrich	383074	ACS reagent, ≥98.0%
Potassium iodide	Sigma Aldrich	746428	ACS reagent, ≥98.0%
Ethylene glycol	Sigma Aldrich	324558	Anhydrous, 99.8%
Ethanol	Meyer	5405	Technical Grade, 96%
Ciprofloxacin	Sigma Aldrich	17850	HPLC, ≥98.0%
Cary 5000 UV-Vis-NIR spectrophotometer	Agilent		Used for the Band gap determination by the Tauc model.
JSM-5600 Scanning Electron Microscope	JOEL		Used for the SEM images.
Autosob-1	Qantachrome Instruments		Used for the determination of surface area and pore diameter.
TOC-L Total Organic Carbon Analyzer	Shimadzu		Used for determination of total organic carbon in water samples.
Bruker AXS D8 Advance - X-ray Diffraction	Bruker		Determination of crystal structure and crystallite size