

Membraneless Hydrogen Peroxide Fuel Cells as a Promising Clean Energy Source

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Materials

Name	Company	Catalog Number	Comments
Acetone	Merck & Co. Inc. (MRK)	67-64-1	solution for pre-process of materials
Alcohol	Merck & Co. Inc. (MRK)	64-17-5	solution for pre-process of materials
Carbon fiber cloth	Soochow Willtek photoelectric materials co.,Ltd.	WOS1011	substrate material for electroplating method
Electrochemistry station	Shanghai Chenhua Instrument Co., Ltd.	CHI600E	device for electroplating method and fuel cell performance characterization
Gold chloride trihydrate	Shanghai Aladdin Biochemical Technology Co.,Ltd.	G141105-1g	main solute for electroplating method
Hydrochloric acid	Sinopharm Chemical ReagentCo., Ltd	10011018	adjustment of solution pH
Hydrogen peroxide	Sinopharm Chemical ReagentCo., Ltd	10011208	fuel of cell
Nickel foam	Willtek photoelectric materials co.ltd(Soochow,China)	KSH-2011	anode material for hydrogen peroxide fuel cell
Potassium chloride	Shanghai Aladdin Biochemical Technology Co.,Ltd.	10016308	additives for electroplating method
Scanning electron microscope	Carl Zeiss AG	EVO 10	structural characterization for sample
Sodium hydroxide	Sinopharm Chemical ReagentCo., Ltd	10019718	adjustment of solution pH
X-Ray diffraction machine	Bruker Corporation	D8 Advance	structural characterization for sample