Supplementary Materials

Microemulsion-Based Synthesis of Highly Efficient Ag-Doped Fibrous SiO_2-TiO_2 Photoanodes for Photoelectrochemical Water Splitting

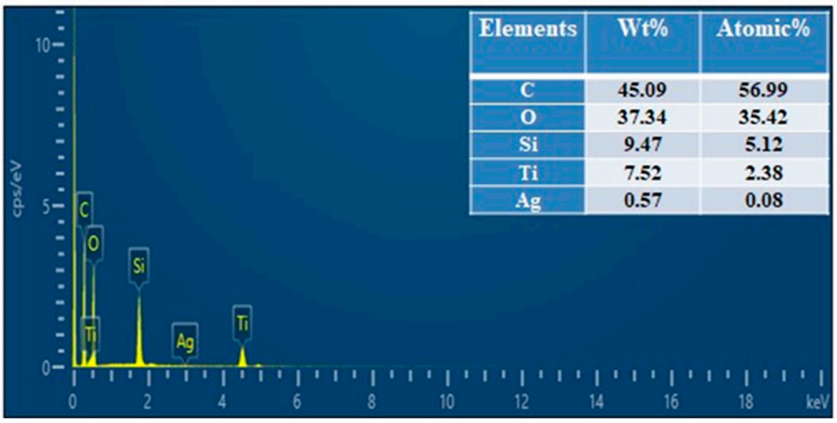

Figure S1 EDX spectrum of Ag-doped FST

Table S1. Summary of previous literature reports based on Ag-doped FST, FST, SiO_2 and TiO_2 for PEC water splitting.

Catalyst	Bandgap Energy (eV)	Photocurrent Density (mA/cm^2)	Stability	Reference
Ag-doped Fibrous Silica-Titania (FST)	2.5	13.98 at 1.2 V vs. RHE	Not specified	This study
Fibrous Silica-Titania (FST)	2.8	11.65 at 1.2 V vs. RHE	Stable for 16 hours	[1]
$SrTiO_3$–TiO_2 Eutectic Composite	2.8	~1.7	Demonstrated durability	[2]
Au/Ni/TiO_2 Nanotube Photoanodes	~2.9	~2.5	Stable for extended cycles	[3]
III-V Nanowires with TiO_2 Protection	~1.42 (GaAs)	20 at 0.6 V vs. RHE	Stable for 67 hours (pH = 1)	[4]
Silicon-Based Photoelectrodes	~1.1	~35	Operated for 80 hours	[5]

References

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