

Supporting Information

for

Enhanced photoelectrochemical water splitting performance using morphology-controlled BiVO₄ with W doping

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Additional experimental data

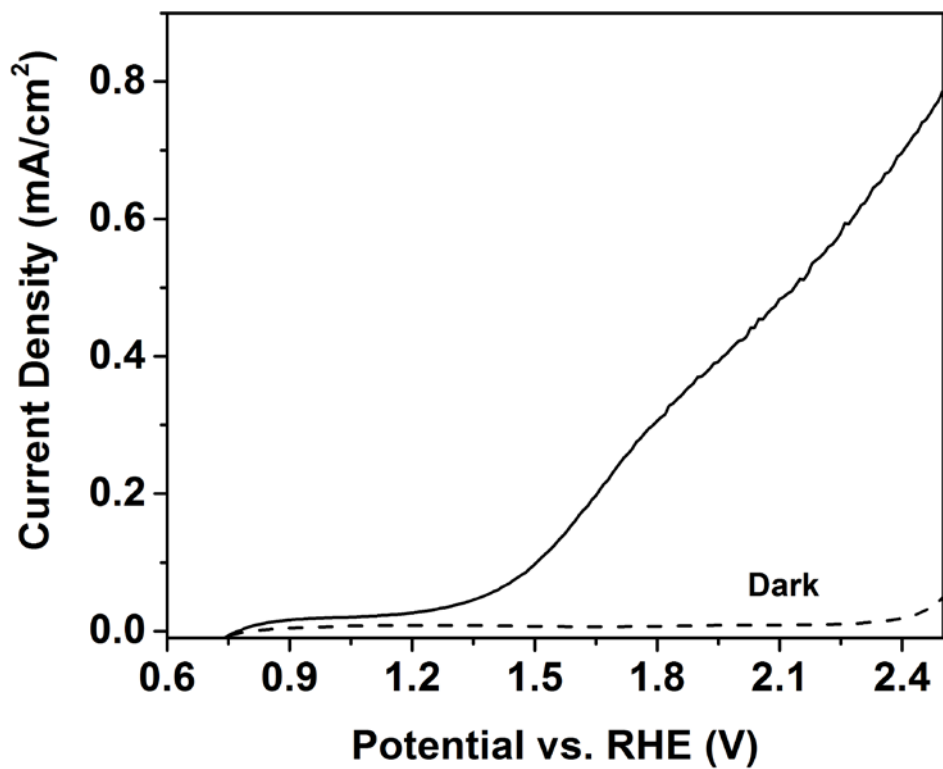


Figure S1: Photocurrent of pristine BiVO₄ under AM 1.5G solar light.

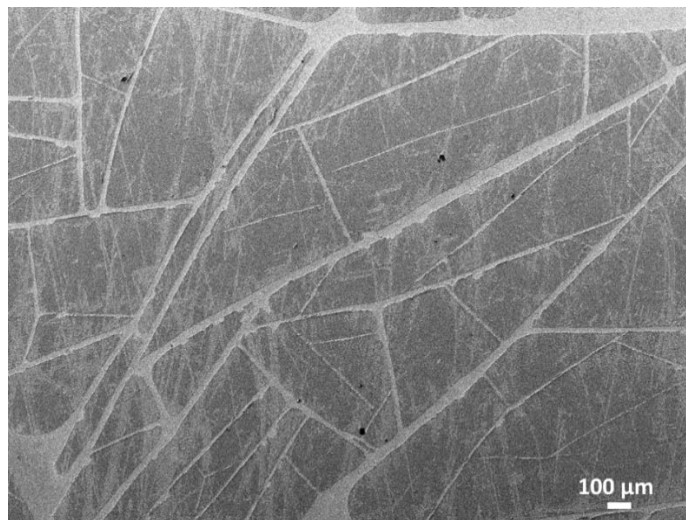


Figure S2: SEM image of 0.5-EG sample at low magnification.

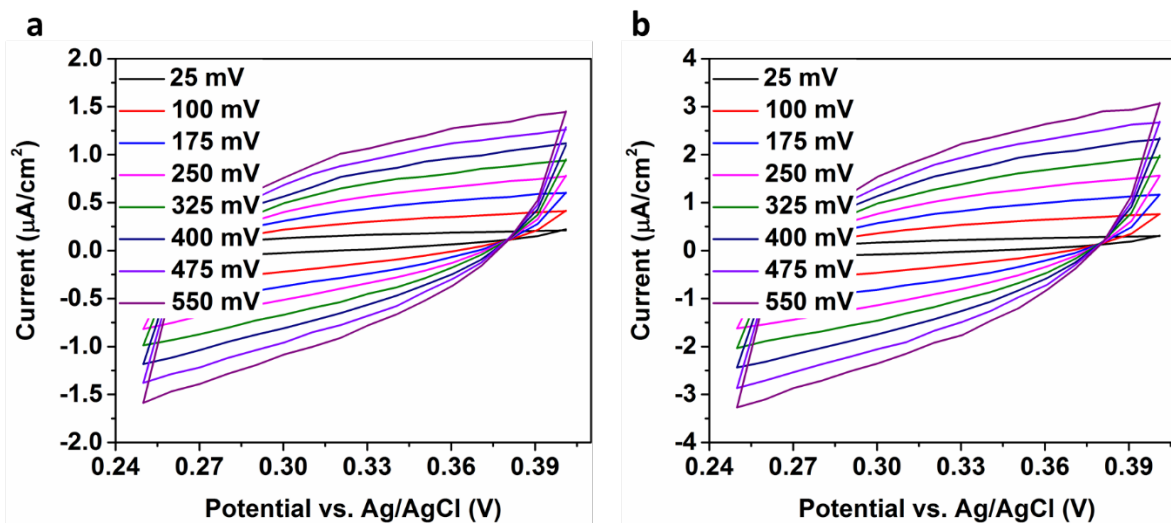


Figure S3: Cyclic voltammograms of (a) W doped BiVO₄ with planar (0-water) and (b) nanoporous structure (1-EG) measured at different scan rates from 25 to 550 mV·s⁻¹.

Table S1: Elemental analysis of 0-water sample by EDX.

Element	Intensity	Wt %	Atom %
O	0.65	17.42	64.14
V	0.96	14.31	16.55
Bi	0.91	66.46	18.73
W	0.78	1.80	0.58
Total		100	

Table S2: Elemental analysis of 1-EG sample by EDX.

Element	Intensity	Wt %	Atom %
O	0.65	17.28	63.91
V	0.96	14.32	16.64
Bi	0.91	66.35	18.79
W	0.79	2.06	0.66
Total		100	