

Supporting Information

High Throughput Light Absorber Discovery, Part 2: Establishing Structure-Band Gap Energy Relationships

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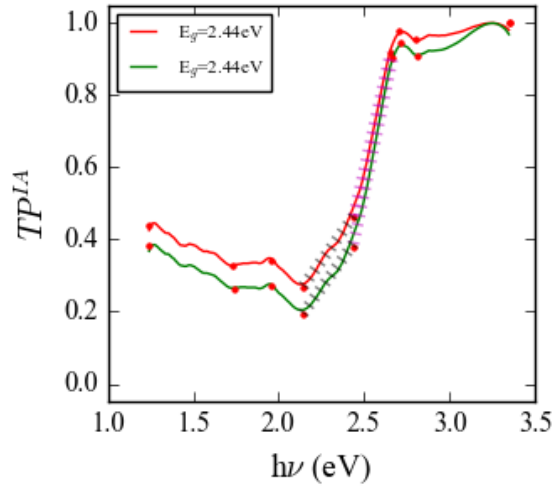


Figure S1. Indirect-allowed (IA) TP spectra for 2 monoclinic BiVO_4 samples characterized using the diffuse reflectance (DR) technique. For each sample, end points of the piecewise linear fit (red circles) Tauc line segments (dotted magenta), baseline segments (dotted black) and the extracted value $E_g^{IA} = 2.44$ eV are shown.

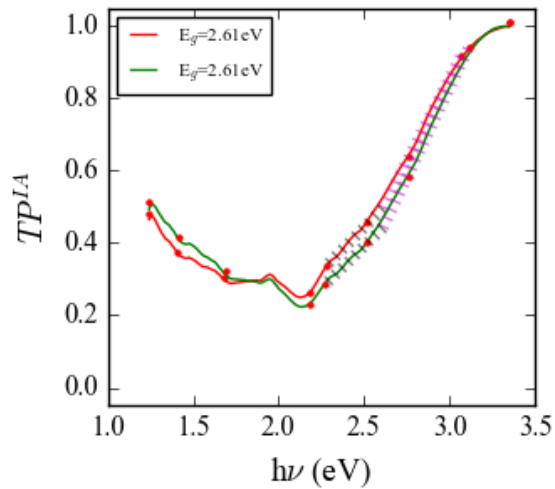


Figure S2. Indirect-allowed (IA) TP spectra for 2 tetragonal $\text{Bi}_4\text{V}_{1.5}\text{Fe}_{0.5}\text{O}_{10.5}$ samples characterized using the diffuse reflectance (DR) technique. For each sample, end points of the piecewise linear fit (red circles) Tauc line segments (dotted magenta), baseline segments (dotted black) and the extracted value $E_g^{IA} = 2.61$ eV are shown.