Supporting Information

Hybrid Microwave Annealing Synthesizes Highly Crystalline Nanostructures for (Photo)electrocatalytic Water Splitting

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Figure S1. XRD patterns by different time of HMA.



Figure S2. Corresponding EIS for BiVO₄, 1% Mo:BiVO₄, and BiVO₄/WO₃ by FA and HMA.



Figure S3. XRD patterns by different synthetic methods. a), HMA. b), CTA.



Figure S4. Schematic mechanism of formation Nb(Ta), $Sn:Fe_2O_3$ (*BeNb*(Ta)O₄ core-shell heterojunction nanorods.



Figure S5. XRD patterns for bare CuFeO₂ (CFO) 600, HMA and CTA treated CFO, respectively.