Supporting Information

pH Controlled Photocatalytic Abatement of RhB by FeWO₄/BiPO₄ p-n Heterojunction

Under Visible Light Irradiation

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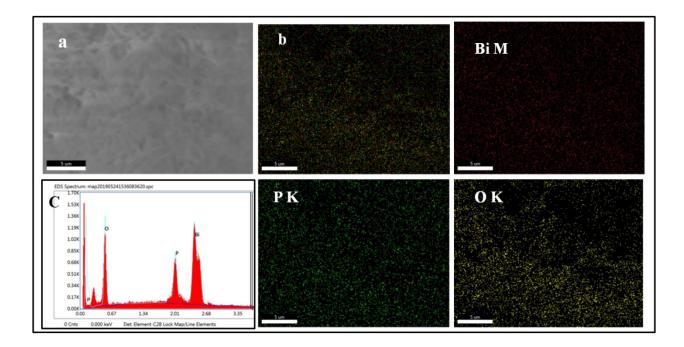


Figure S1. EDAX spectrum and corresponding elemental mapping of pure BiPO₄

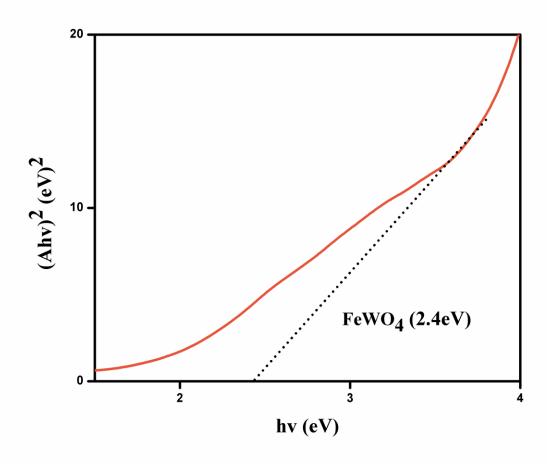


Figure S2. Tauc plot of pure FeWO₄

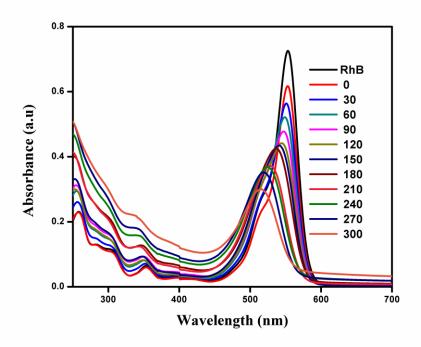


Figure S3. Absorption spectra of RhB during photocatalytic reaction of S3 at neutral condition

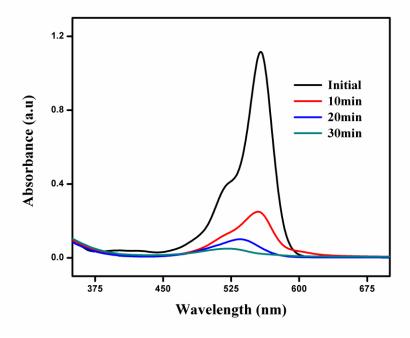


Figure S4. Absorption spectra of RhB during photocatalytic reaction of S3 at pH3 without adsorption

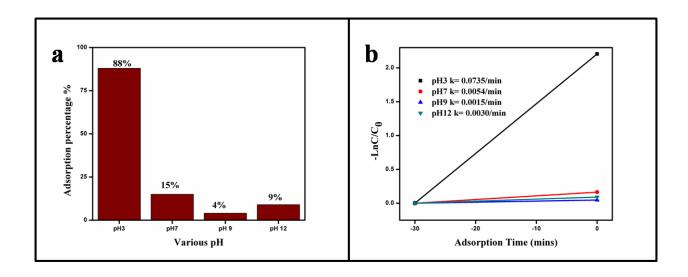


Figure S5. (a) The percentage adsorption and (b) adsorption kinetics of RhB on the composite S3 at various pH condition

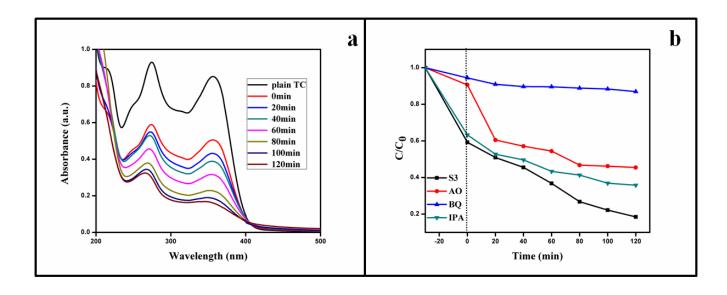


Figure S6. (a) Absorption spectra of TC during photocatalytic reaction using S3 (b) Effects of scavenging agents on TC degradation

Table S1. The calculated rate constants for synthesized catalyst toward the photodegradation of RhB and various pH conditions for S3 sample.

Photocatalyst	Rate constants (min ⁻¹)
BiPO ₄	0.0013
S1	0.0024
S2	0.0039
S3	0.0063
S4	0.0046
pH3 S3	0.1800
pH7 S3	0.0105
pH9 S3	0.0070
pH12 S3	0.0089