

Gallium-Containing Hydroxyapatite as a Promising Material for Photocatalytic Performance

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Supplementary Material

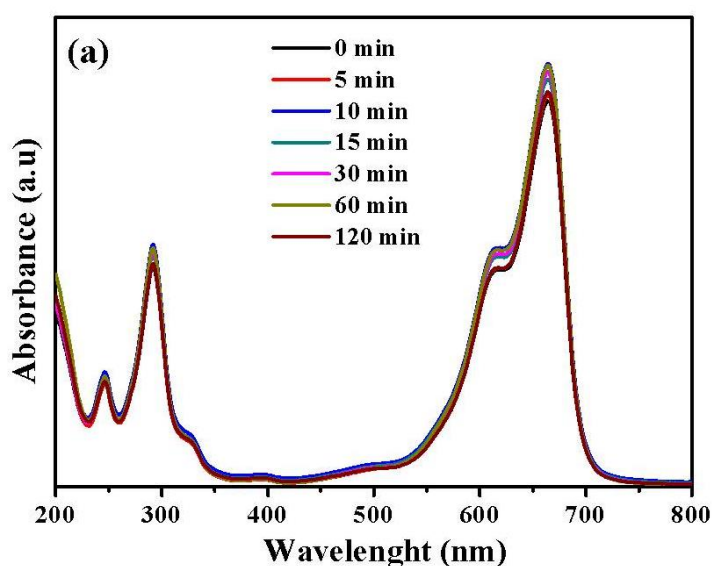


Figure S1. Adsorption dark test: (a) spectral variation of MB in different times.

Table S1. Kinetic parameters used for MB dye dislocation using Ga-Hap under UV light.

| amount of photocatalyst(g·L ⁻¹) | Temperature (°C) | Dye concentration (mol.L ⁻¹) |
|--|------------------|---|
| 0.25 | 25.0 ± 1.0 | 1.5 × 10 ⁻⁵ |
| 0.50 | 25.0 ± 1.0 | 1.5 × 10 ⁻⁵ |
| 1.00 | 25.0 ± 1.0 | 1.5 × 10 ⁻⁵ |

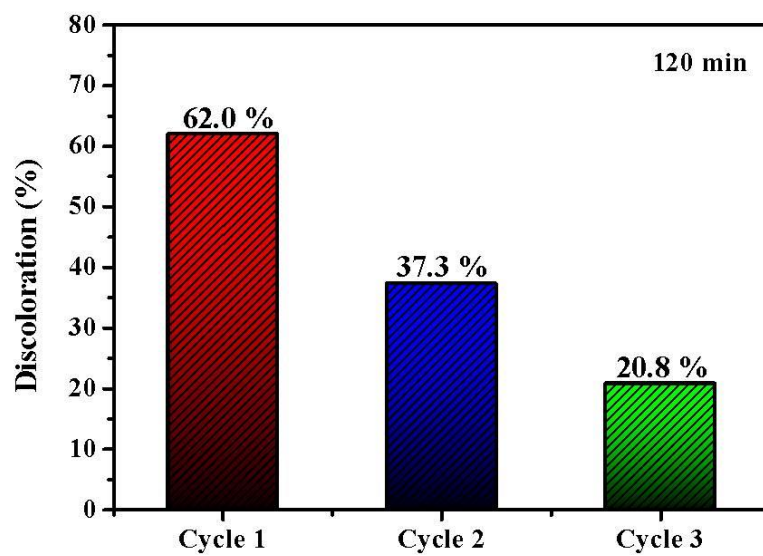


Figure S2. Reuse of Ga-Hap ($1\text{g}\cdot\text{L}^{-1}$) using MB dye ($1.5 \times 10^{-5} \text{ mol}\cdot\text{L}^{-1}$) under UV light.