

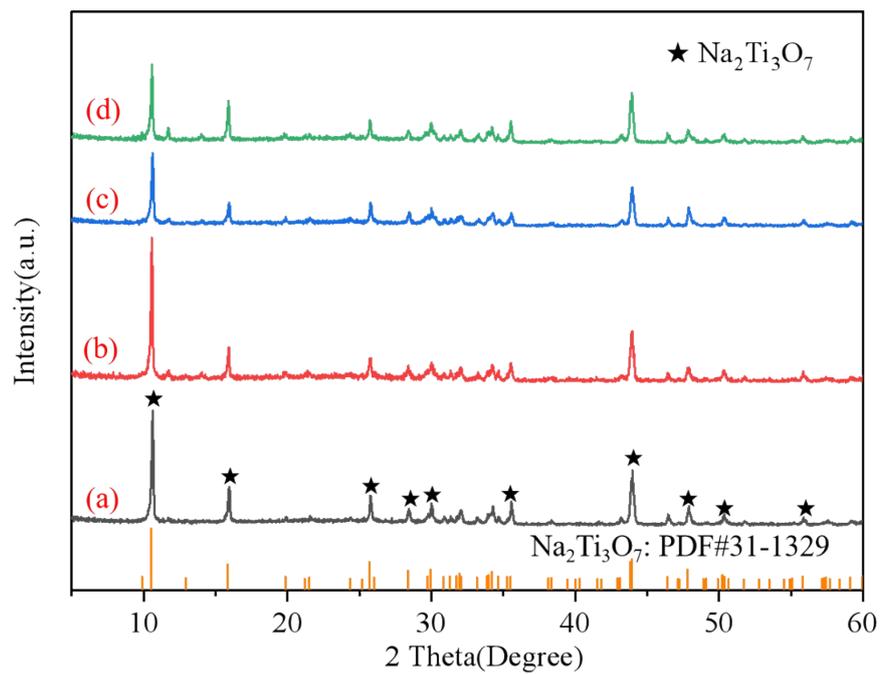
**Peroxymonosulfate-Activated Degradation of Rhodamine B over  
One-Dimensional H<sub>2</sub>Ti<sub>3</sub>O<sub>7</sub>/TiO<sub>2</sub> Heterostructures: Synergistic Effects  
and Reaction Mechanism**

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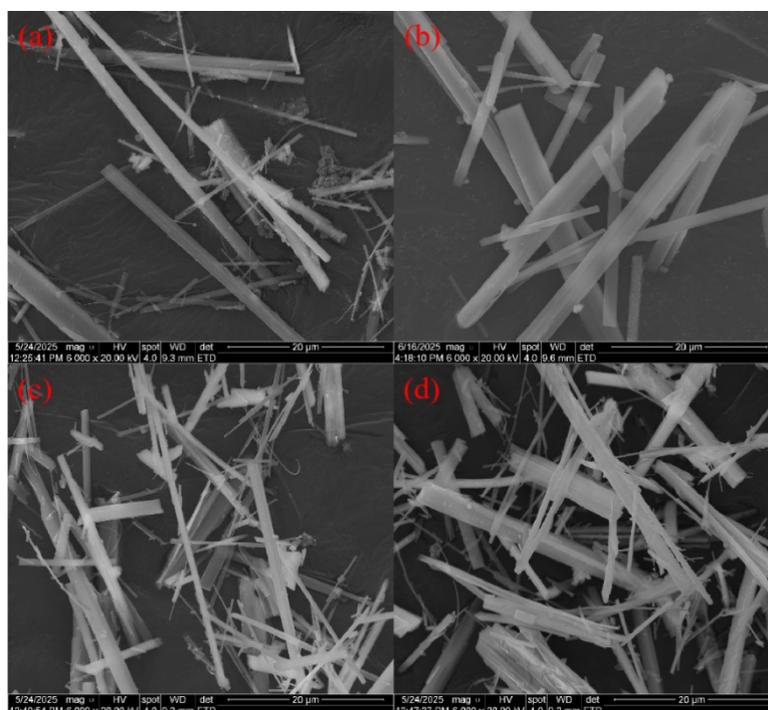
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**Fig. S1 XRD patterns of the  $\text{Na}_2\text{Ti}_3\text{O}_7$  products obtained at 900 °C for different times, (a) 1.5 h, (b) 3 h, (c) 4.5 h, and (d) 6 h**



**Fig. S2 SEM images of the  $\text{Na}_2\text{Ti}_3\text{O}_7$  products obtained at 900 °C for different times, (a) 1.5 h, (b) 3 h, (c) 4.5 h, and (d) 6 h**

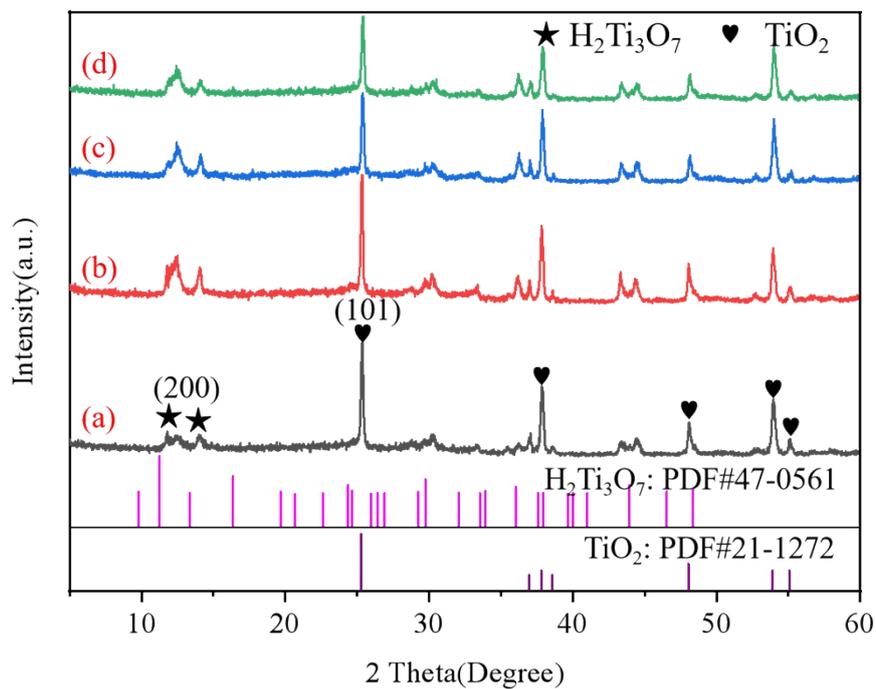


Fig. S3 XRD patterns of the products of heat treatment of  $H_2Ti_3O_7$ , (a) 1.5 h, (b) 3 h, (c) 4.5 h, and (d) 6 h

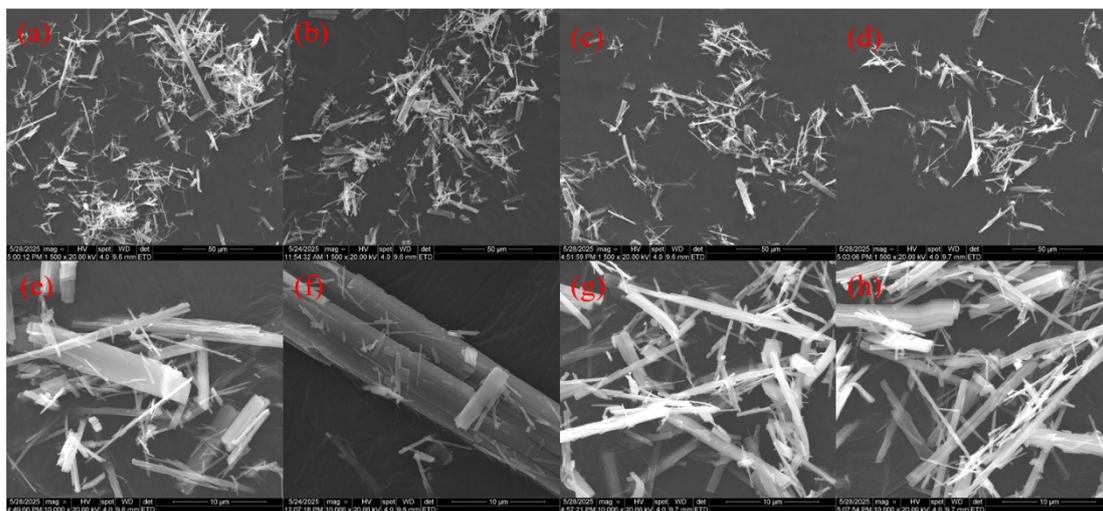
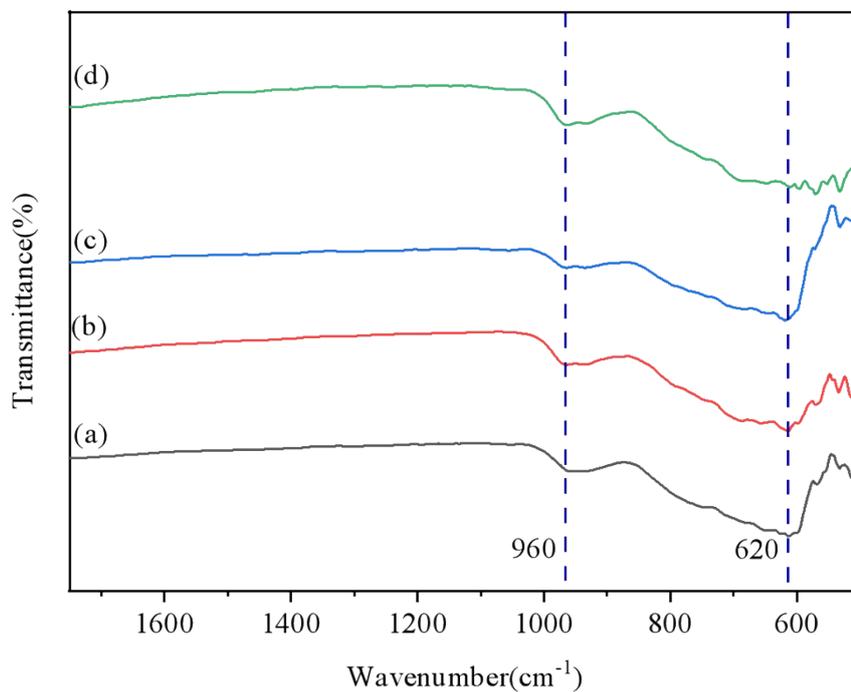
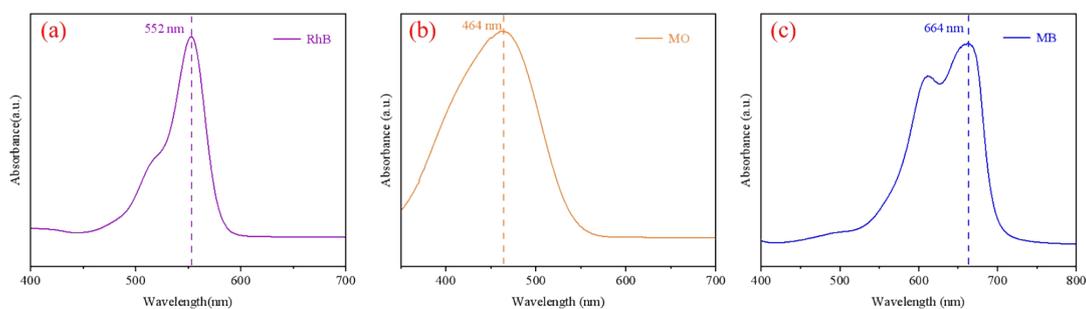


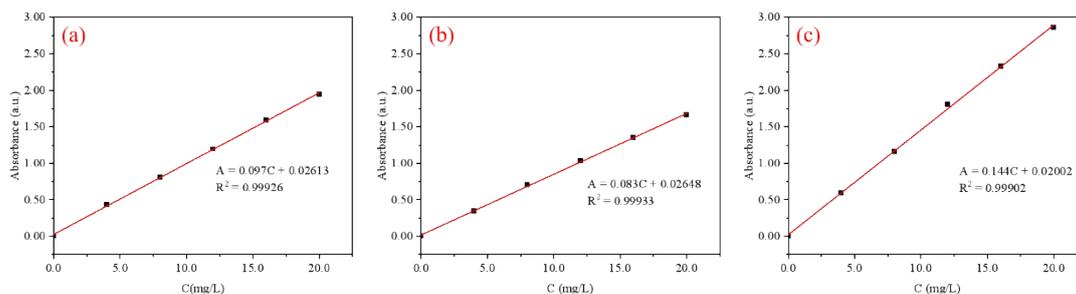
Fig. S4 SEM images of the products of heat treatment of  $H_2Ti_3O_7$ , (a,e) 1.5 h, (b,f) 3 h, (c,g) 4.5 h, and (d,h) 6 h



**Fig. S5** FTIR analysis of  $H_2Ti_3O_7/TiO_2$  at different times, where (a) 1.5 h, (b) 3 h, (c) 4.5 h, and (d) 6 h



**Fig. S6** The maximum absorption wavelength of (a) RhB, (b) MO, and (c) MB



**Fig. S7** Standard curve of (a) RhB, (b) MO, and (c) MB