

# Supporting information

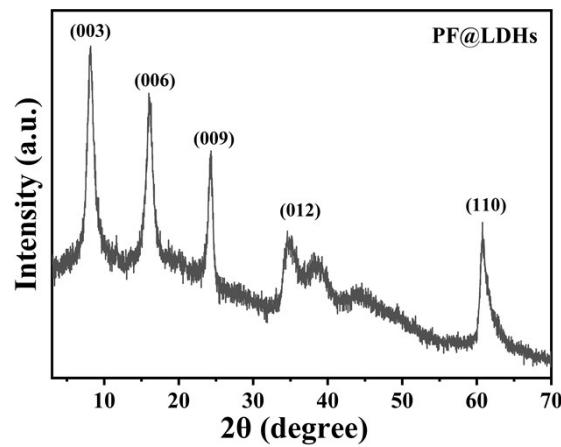
## Optimal Mn Doping for Enhanced Photothermal Conversion Performance in Prussian Blue@Layered Double Hydroxides

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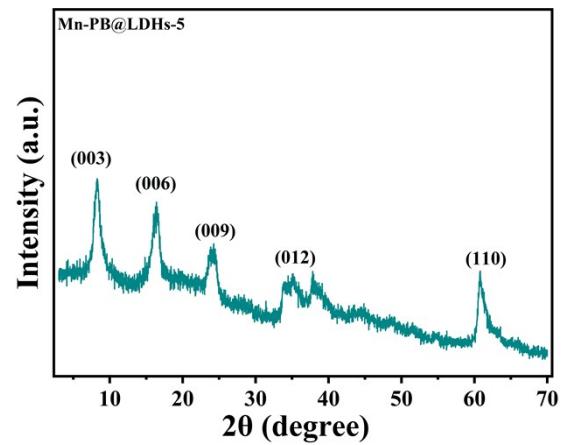
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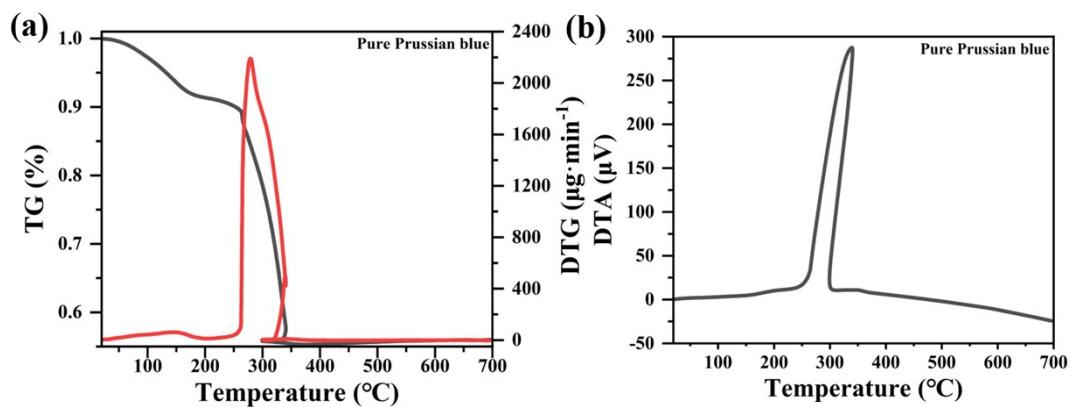
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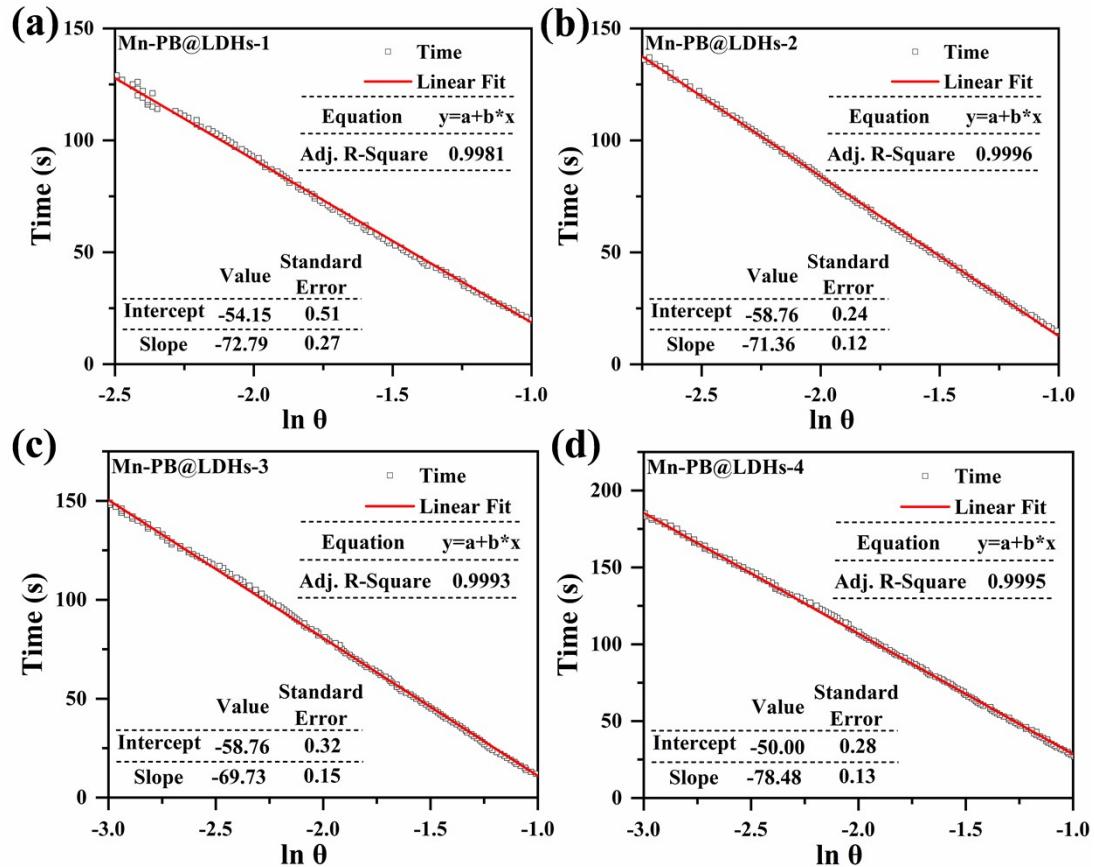
**Figure. S1** The XRD spectrum of PF@LDHs.



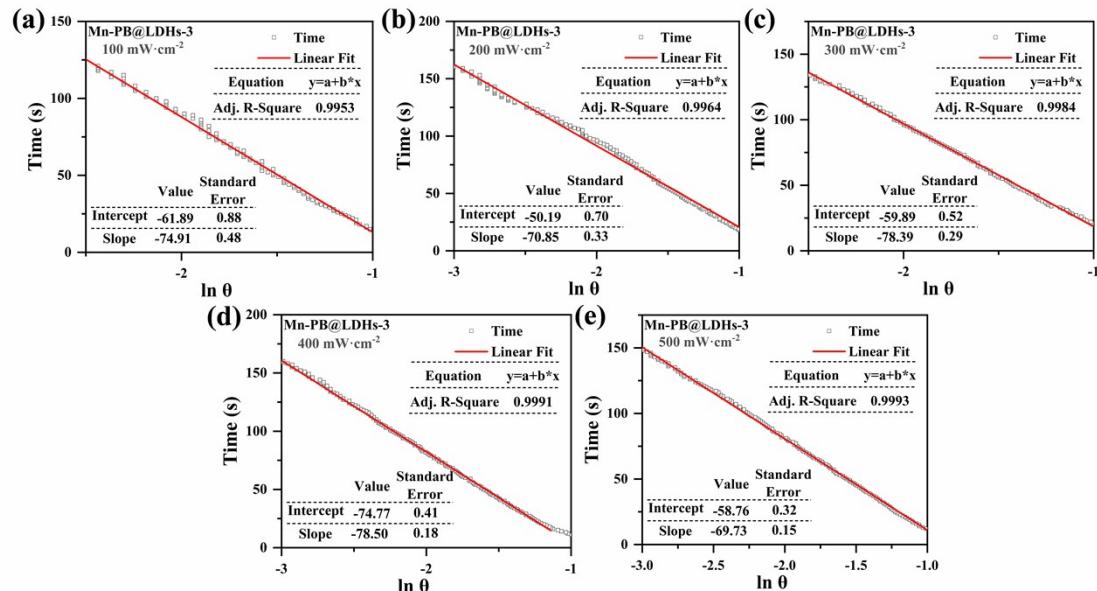
**Figure. S2** X-ray diffraction of Mn-PB@LDHs-5.



**Figure. S3** (a) TG-DTG curves and (b) DTA curves of pure Prussian blue.



**Figure. S4** The time- $\ln \theta$  linear curves at  $500 \text{ mW}\cdot\text{cm}^{-2}$  of (a) Mn-PB@LDHs-1, (b) Mn-PB@LDHs-2, (c) Mn-PB@LDHs-3 and (d) Mn-PB@LDHs-4



**Figure. S5** The time- $\ln \theta$  linear curves of Mn-PB@LDHs-3 at (a)  $100 \text{ mW}\cdot\text{cm}^{-2}$ , (b)  $200 \text{ mW}\cdot\text{cm}^{-2}$ , (c)  $300 \text{ mW}\cdot\text{cm}^{-2}$ , (d)  $400 \text{ mW}\cdot\text{cm}^{-2}$  and (e)  $500 \text{ mW}\cdot\text{cm}^{-2}$ .