Supplement Information

Effects of Drying Operation on the Mn^{2+} Removal activity of MnO_x: Performance and Mechanism

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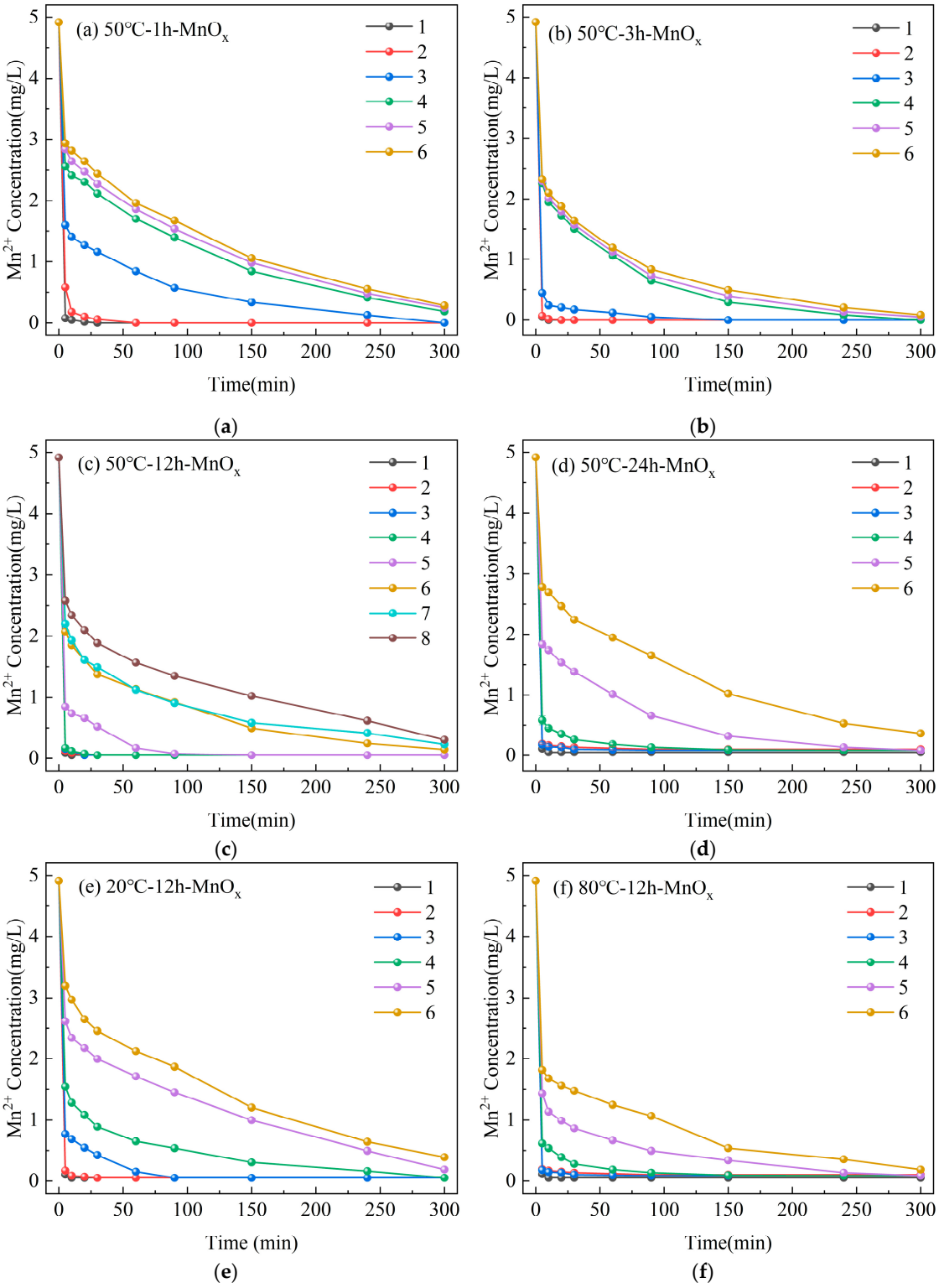
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(a) 50℃-1h-MnOx
(b) 50℃-3h-MnOx
(c) 50℃-12h-MnOx
(d) 50℃-24h-MnOx
(e) 20℃-12h-MnOx
(f) 80℃-12h-MnOx
Mn2+ Concentration(mg/L)
Time(min)
Time (min)
1
2
3
4
5
6
7
8
0
1
2
3
4
5
0
50
100
150
200
250
300

(a) (b) (c) (d) (e) (f)

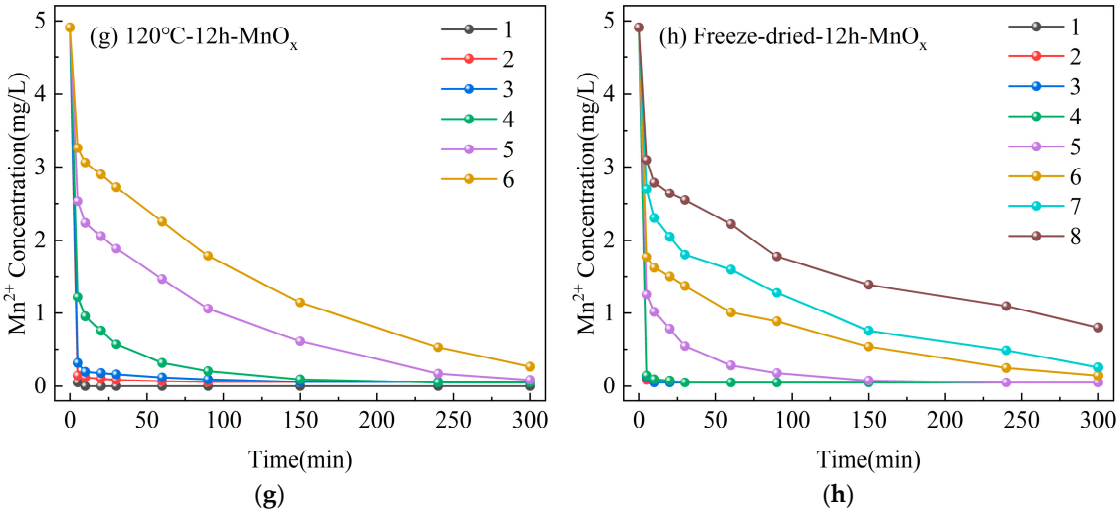


Figure S1. Mn^{2+} removal performance of MnO_x with reuse cycles.

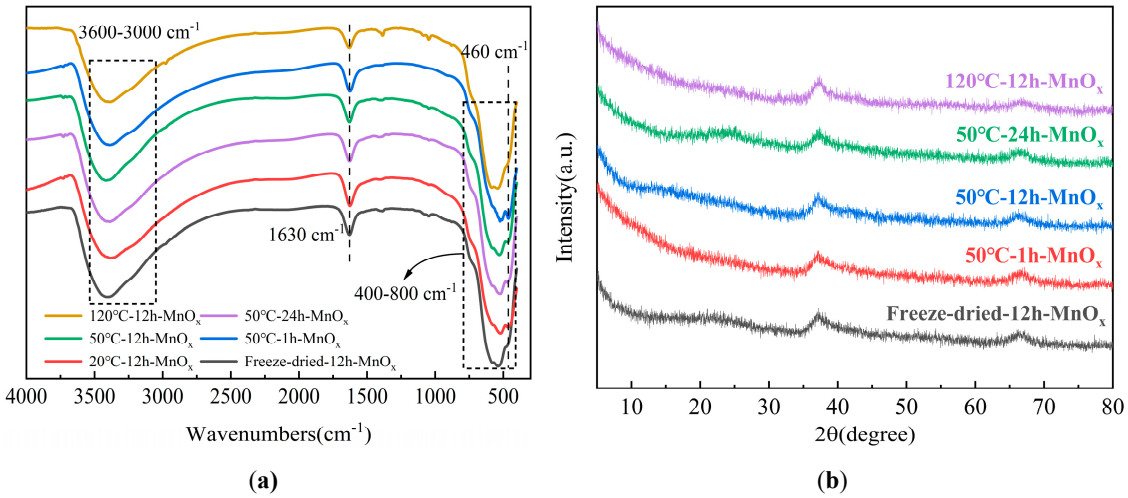


Figure S2. (a) FTIR spectra and (b) XRD patterns of MnO_x under different drying conditions.

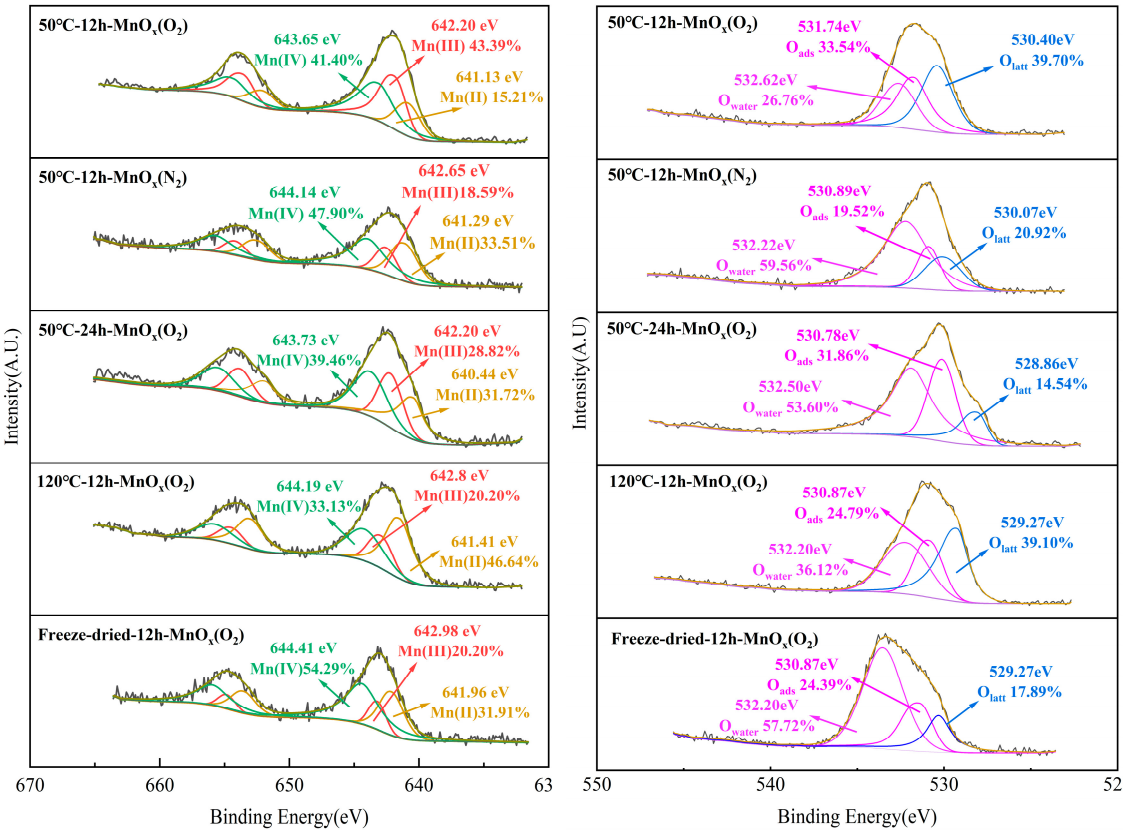


Figure S3. XPS spectra of (a) Mn 2p and (b) O1s of MnO_x after the reaction.