Electronic Supplementary Material (ESI) for RSC Advances.


# Insight into High Temperature Selective Oxidation of HP40 Alloy under $H_2$-$H_2O$ Environment

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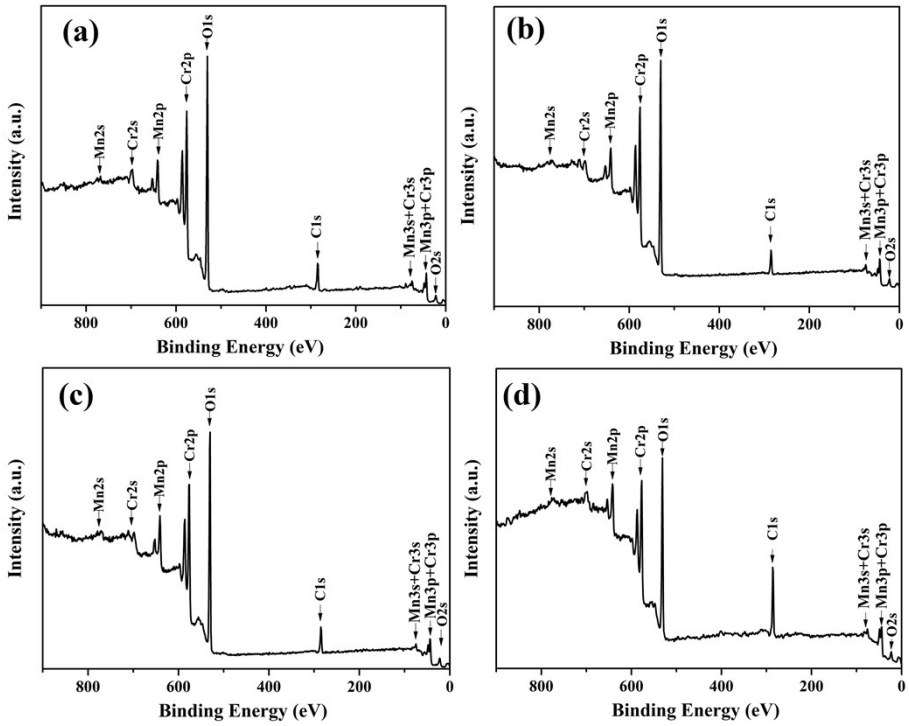


Fig. S1 Survey XPS spectra of oxide scales formed after various oxidation times: (a) 0.2 h; (b) 2 h; (c) 10 h; (d) 20 h.

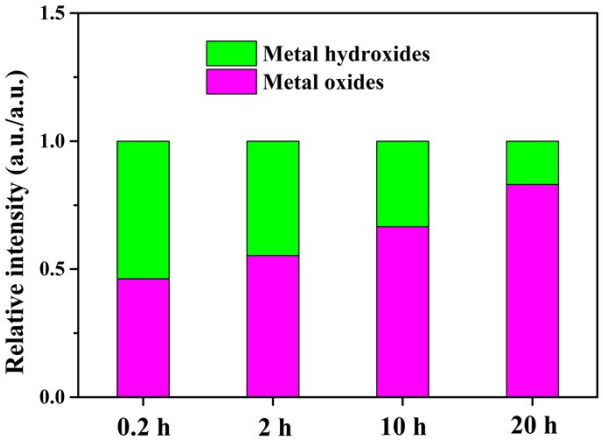


Fig. S2 Relative intensities of O species on oxide scales formed after various oxidation times: (a) 0.2 h; (b) 2 h; (c) 10 h; (d) 20 h.

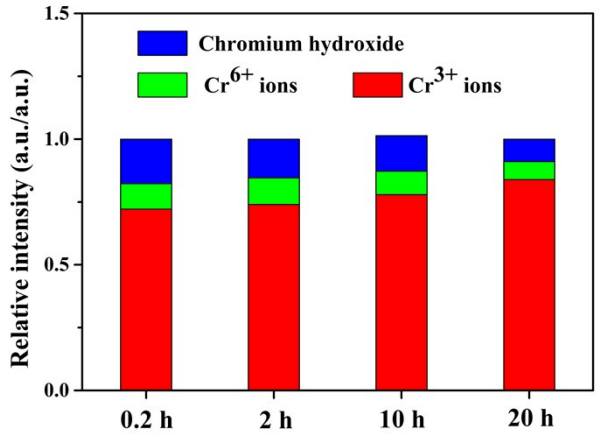


Fig. S3 Relative intensities of Cr species on oxide scales formed after various oxidation times: (a) 0.2 h; (b) 2 h; (c) 10 h; (d) 20 h.

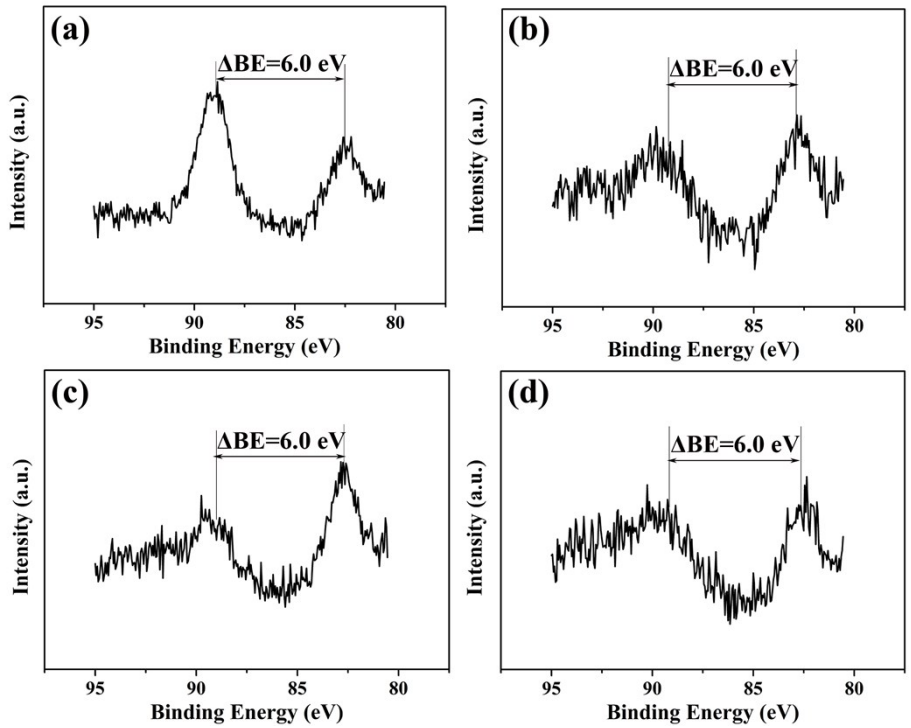


Fig. S4 XPS spectra of Mn 3S regions for oxide scales formed after various oxidation times: (a) 0.2 h; (b) 2 h; (c) 10 h; (d) 20 h.