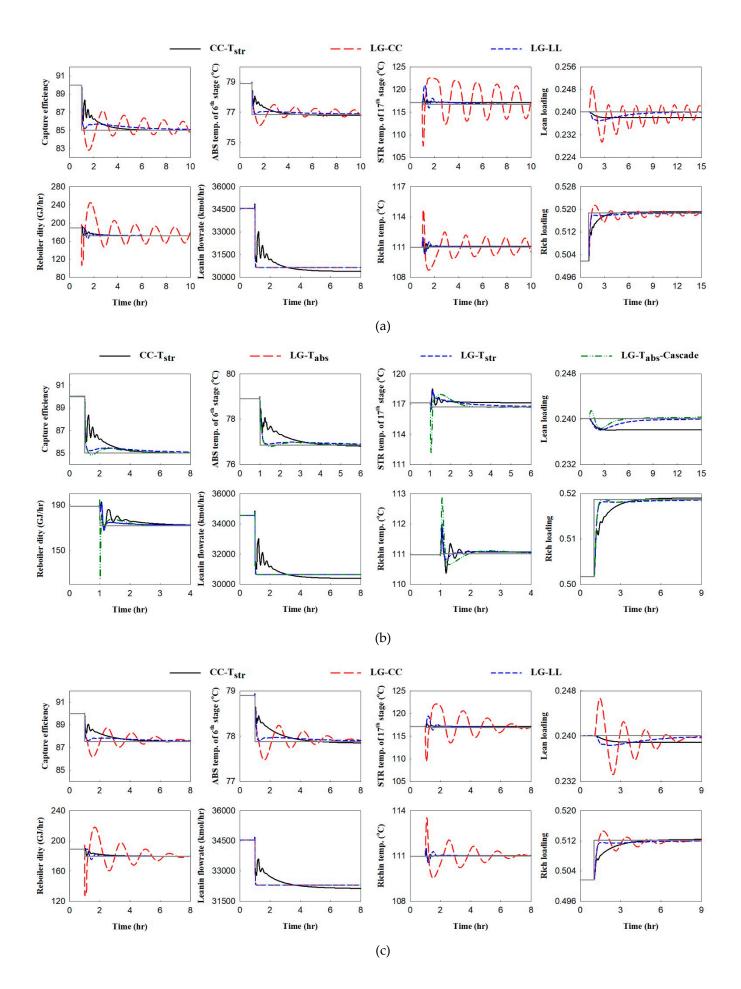
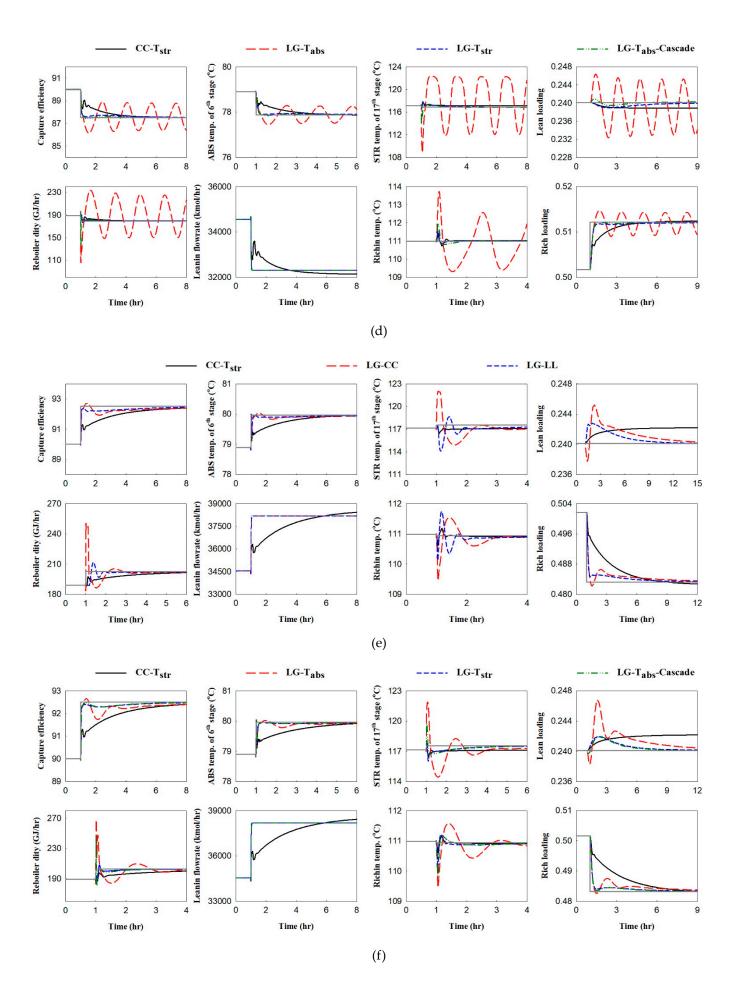


Figure S1. Dynamic responses for disturbance changes of flue gas conditions. (a) 10% increase of flue gas flowrate –

concentration-control related schemes; (b) 10% increase of flue gas flowrate – temperature-control related schemes; (c) 10% decrease of flue gas flowrate – concentration-control related schemes; (d) 10% decrease of flue gas flowrate – temperature-control related schemes; (e) 10% increase of flue gas concentration – concentration-control related schemes; (f) 10% increase of flue gas concentration – temperature-control related schemes; (g) 10% decrease of flue gas concentration – temperature-control related schemes; (h) 10% decrease of flue gas concentration – temperature-control related schemes; (i) 12.5% increase of flue gas temperature – concentration-control related schemes; (j) 12.5% increase of flue gas temperature – temperature-control related schemes; (l) 12.5% decrease of flue gas temperature – temperature-control related schemes





(1) 90% to 95%

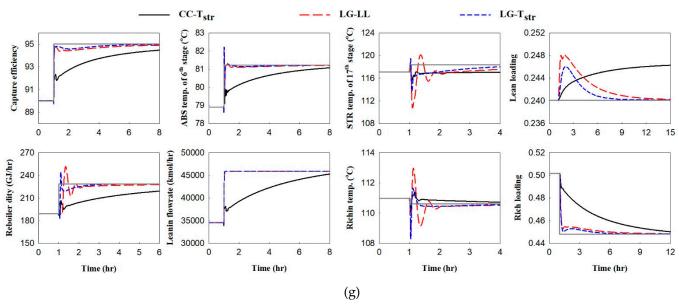


Figure S2. Dynamic responses for set-point changes of CO₂ capture efficiency. (a) 90% to 85% - concentration-control related schemes; (b) 90% to 85% - temperature-control related schemes; (c) 90% to 87.5% - concentration-control related schemes; (d) 90% to 87.5% - temperature-control related schemes; (e) 90% to 92.5% - concentration-control related schemes; (f) 90% to 92.5% - temperature-control related schemes; (g) 90% to 95% - all schemes.