

Fig. S1 Air flotation device diagram

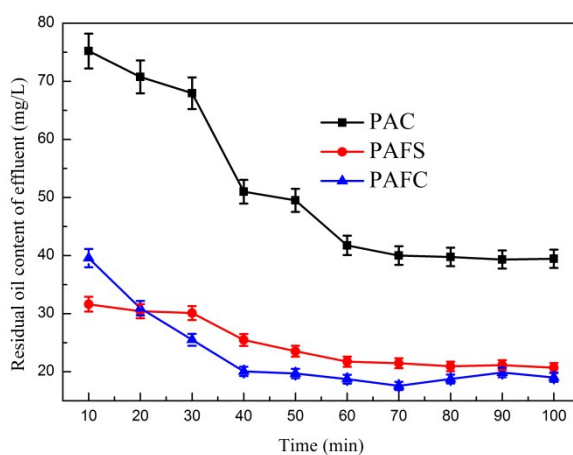


Fig. S2 Comparison of oil removal efficiency of coagulant in dynamic test

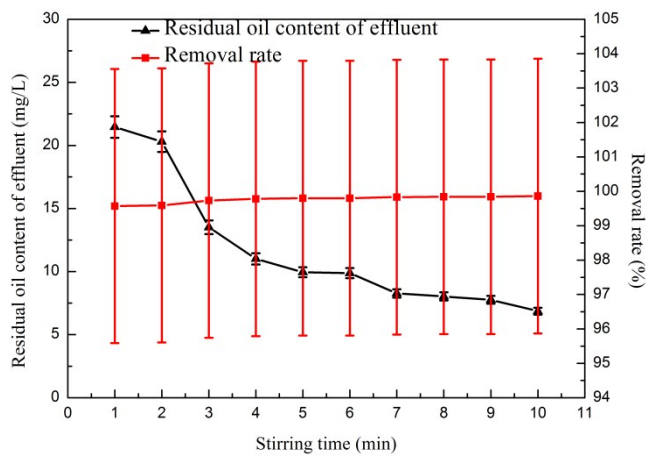


Fig. S3 Effect of stirring time on oil removal efficiency

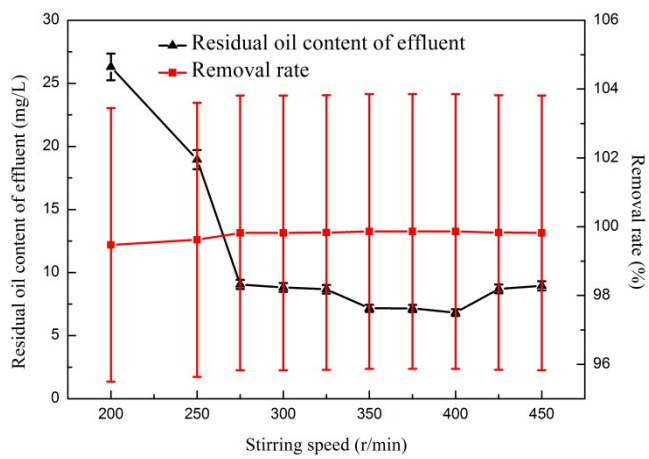


Fig. S4 Effect of stirring speed on oil removal efficiency

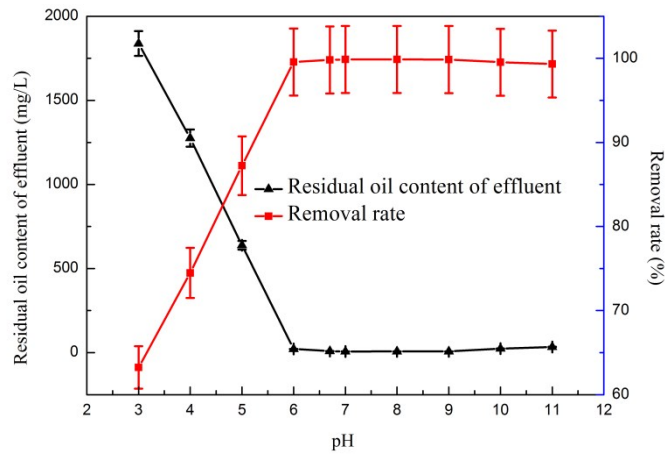


Fig. S5 Effect of pH value on oil removal efficiency

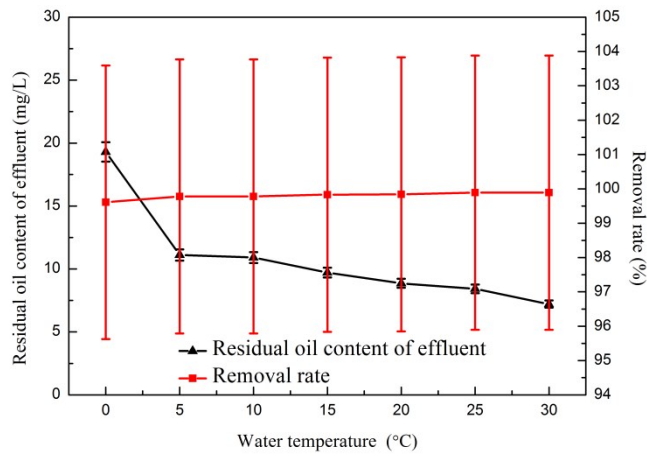


Fig. S6 Effect of water temperature on oil removal efficiency

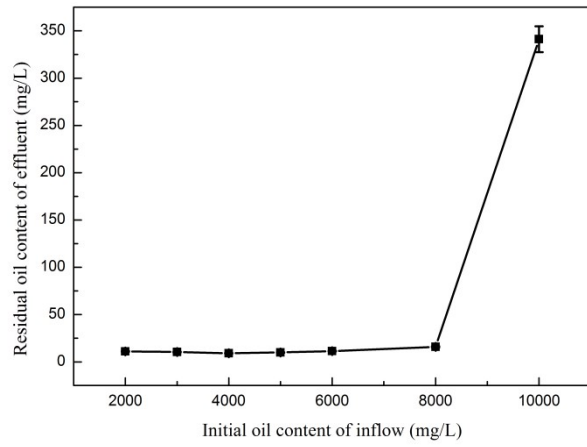


Fig. S7 Effect of initial oil content of inflow on coagulation degreasing

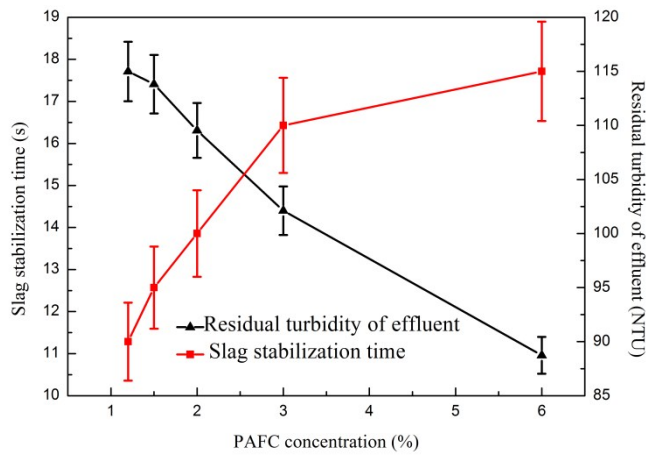


Fig. S8 Effect of PAFC concentration on dynamic test

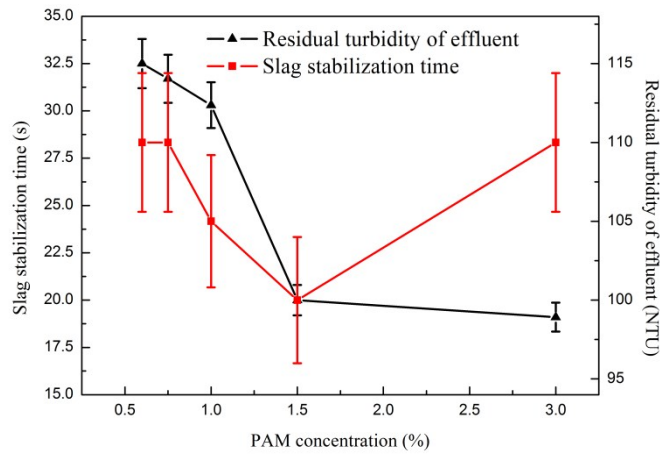


Fig. S9 Effect of polyacrylamide (PAM) concentration on dynamic turbidity removal

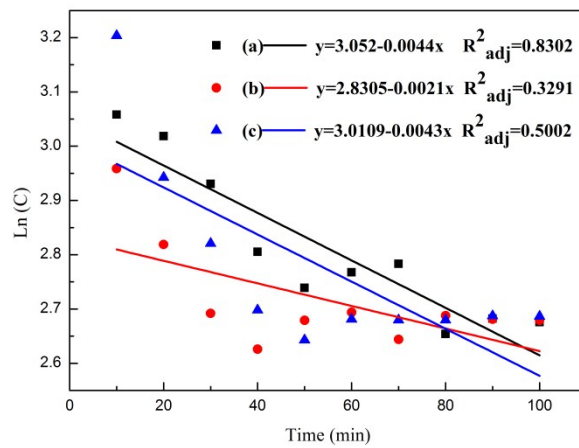


Fig. S10 Kinetic studies for oil removal at different inlet flow rate: (a) 0.125 m³/h, (b) 0.2 m³/h, (c) 0.25 m³/h

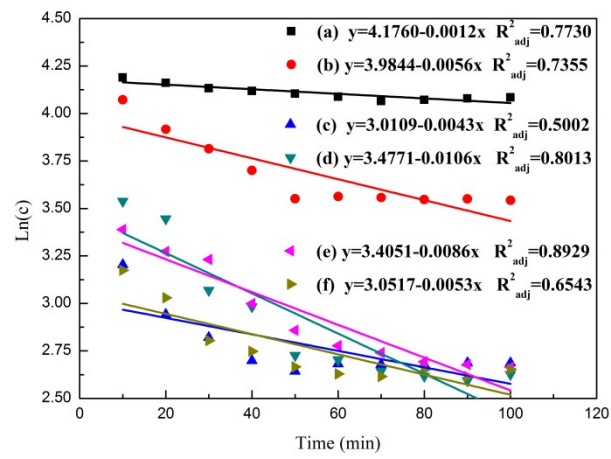


Fig. S11 Kinetic studies for oil removal at different initial inlet oil content: (a) 8000mgL, (b) 6000mgL, (c) 5000mgL, (d) 4000mgL, (e) 3000mgL, (f) 2000mgL,