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Title: NaCl cleaning of 0.1 μm polyvinylidene fluoride (PVDF) membrane fouled with humic acid (HA)

Author: Zhan Wang Yanling Li Peng Song Xu Wang

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Highlights

- ◆ A new general expression of cascade kinetic model was established for first time;
- ◆ A kinetic model ($M_{1+1,REG}$) was established to simulate the salt cleaning process;
- ◆ The functional relationship between T , ω , C and rate constants k_1 and k_2 was founded;
- ◆ Cleaning efficiency was estimated by the adhesion energies between PVDF and HA.

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