Supporting Information

Formation of Clathrate Hydrates of Water-Soluble Guest Molecules

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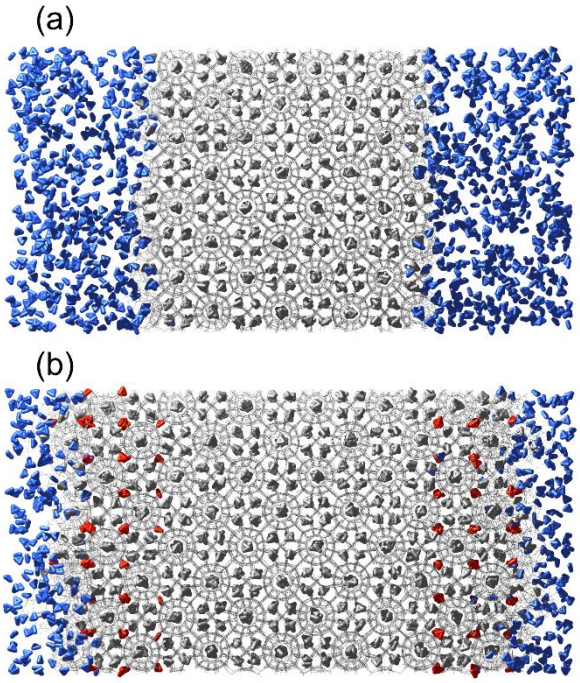

Figure S1 Snapshots of the crystal growth simulation for the {011} surface of EO hydrate at (a) t = 0 ns and (b) t = 50 ns. The simulation is performed at T = 260 K. EO molecules in the $5^{12}6^2$ cages, those in the 5^{12} cages, and those dissolved in the aqueous solution are colored gray, red, and blue, respectively. The hydrogen bond network of water in the hydrate is represented by lines while the water molecules in the solution are hidden for clarity.

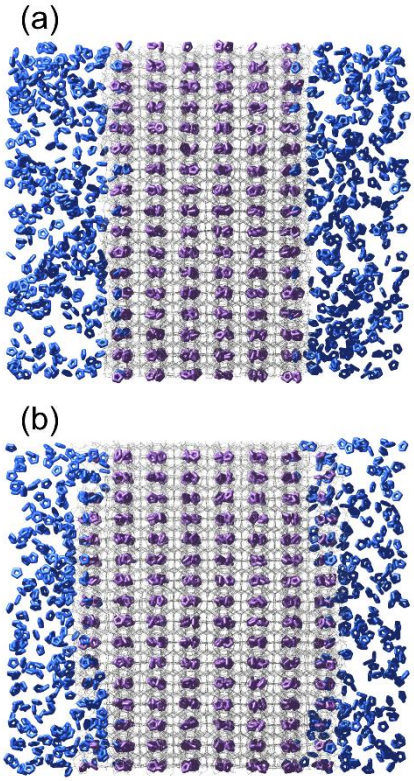

Figure S2 Snapshots of the crystal growth simulation for the {111} surface of THF hydrate at (a) t = 0 ns and (b) t = 700 ns. The simulation is performed at T = 260 K. THF molecules in the $5^{12}6^4$ cages and those dissolved in the aqueous solution are colored purple and blue, respectively.