

Supporting Information

Oscillatory electrodeposition of metal films at liquid/liquid interfaces induced by large surface energy of growing deposits

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Supporting Movie 1 Oscillatory electrodeposition of Zn in the absence of the surfactant, taken by CCD video camera (sampling frequency: 30 frame/s). Experimental conditions are the same as those for Fig. 3.

Supporting Movie 2 Oscillatory electrodeposition of Zn in the absence of the surfactant, taken by CCD video camera (sampling frequency: 30 frame/s), in which the meniscus oscillation coupled with the oscillatory growth of the 2D film can be clearly seen. Experimental conditions are the same as those for Fig. 3.

Supporting Movie 3 Oscillatory electrodeposition of Zn in the presence of the surfactant, taken from the side (sampling frequency: 30 frame/s). Experimental conditions are the same as those for Fig. 4.

Supporting Movie 4 Oscillatory electrodeposition of Zn in the presence of the surfactant, taken from the top (sampling frequency: 30 frame/s). Experimental conditions are the same as those for Fig. 4.