

Supplement-Dynamical states

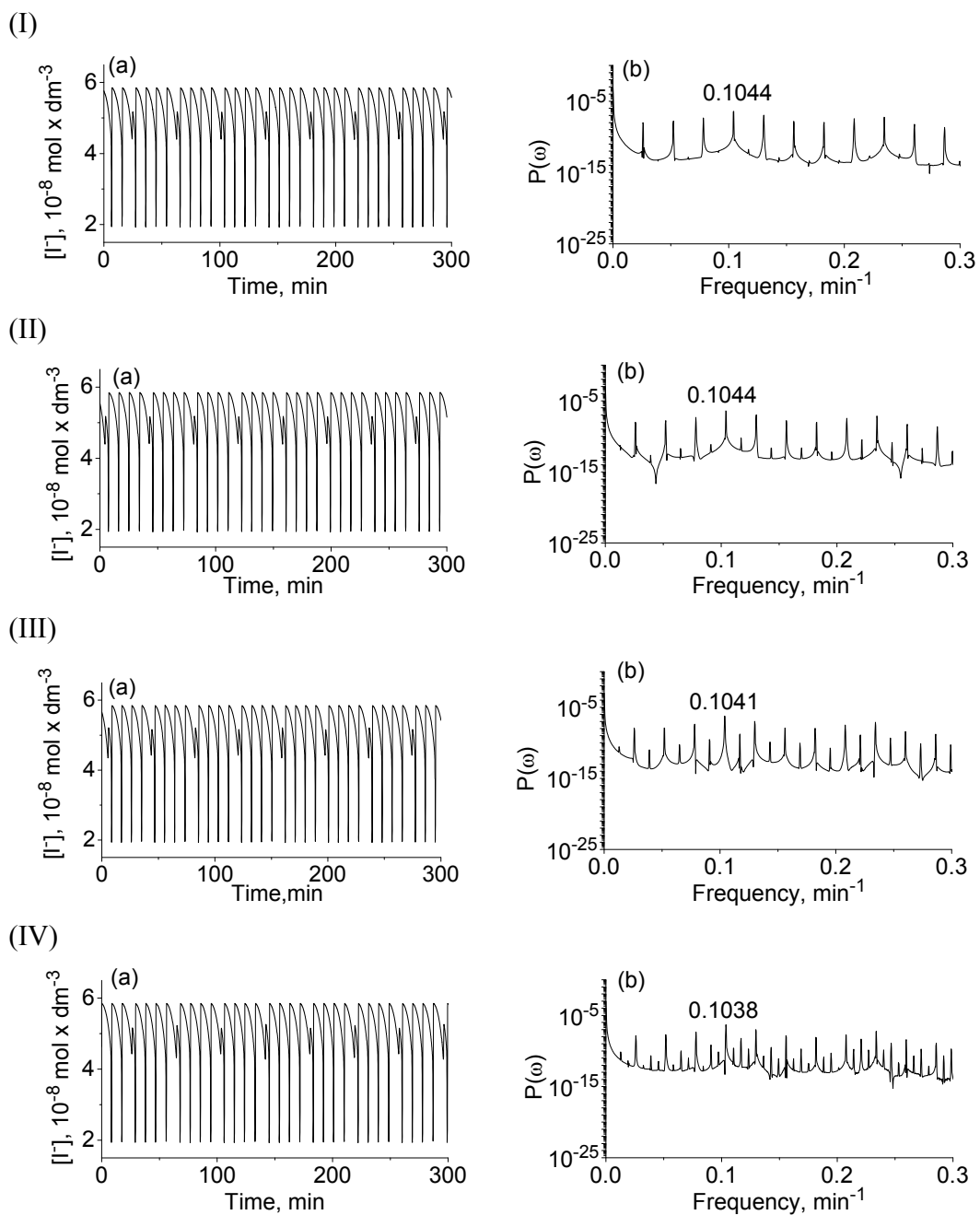


Fig. 1 (a) Time series and (b) power spectra for corresponding flow rates:
(I) $j_0 = 4.829050 \times 10^{-3} \text{ min}^{-1}$ ($[4^1]_{\text{chaos,s}}$ dynamics), (II) $j_0 = 4.829105 \times 10^{-3} \text{ min}^{-1}$ ($[(4^1)_2]_{\text{chaos,as}}$ dynamics), (III) $j_0 = 4.829150 \times 10^{-3} \text{ min}^{-1}$ ($[(4^1)_2]_{\text{chaos,s}}$ dynamics), (IV) $j_0 = 4.829230 \times 10^{-3} \text{ min}^{-1}$ ($[(4^1)_4]_{\text{chaos,as}}$ dynamics).

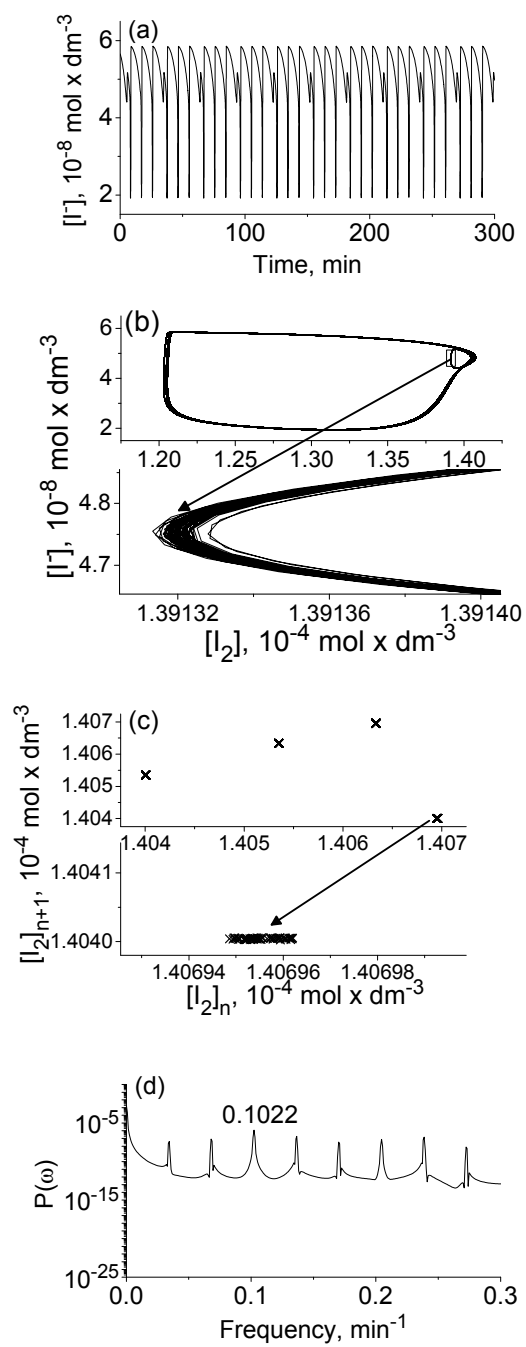


Fig. 2 (a) Time series, (b) attractor, (c) resulting Poincaré map and (d) power spectra corresponding to flow rate $j_0 = 4.831700 \times 10^{-3} \text{ min}^{-1}$ ($[3^1]_{\text{chaos,s}}$ dynamics).

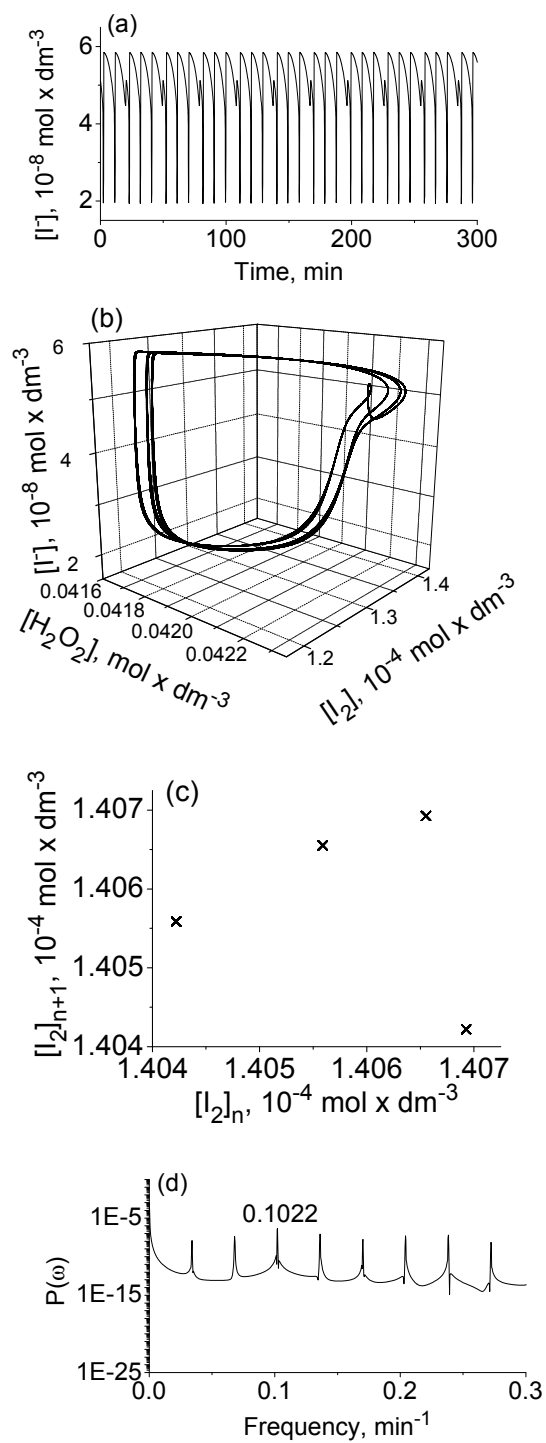


Fig. 3 (a) Time series, (b) attractor, (c) resulting Poincaré map and (d) power spectra corresponding to flow rate $j_0 = 4.836000 \times 10^{-3} \text{ min}^{-1}$ (3^1 dynamics).