Fig. 19 Distribution $P(J)$ of flux amplitudes at the right border of system described as a Landau-Ginzburg model sandpile. The model uses a continuous framework with a noisy nonlinear diffusion equation controlling the space-time evolution of the control parameter (slope of the sandpile), which is coupled to the order-parameter (state of rolling of sand grains) described by the normal form of a sub-critical bifurcation. $\chi/\alpha$ is the ratio of the two characteristic time scales of the problem, the time scale associated with sand diffusion over the time scale of the transition from static to rolling described by the order parameter. The amplitude $n$ of the driving noise corresponds to the small noise regime. Reproduced from Gil and Sornette [41].