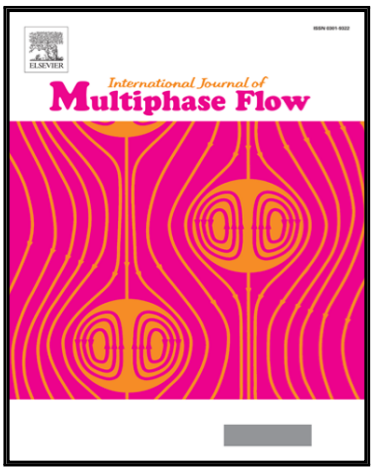

Events and conditions in droplet impact: a phase field prediction

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Highlights

- Diffusive interface modeling can capture detailed outcomes of droplet impact
- The liquid properties are important in early spreading for impacts of low speed
- The Reynolds number and Ohnesorge number confine a region for a central bubble to be observed