

Multiphase Microfluidics The Diffuse Interface Model



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Major News in COMSOL Multiphysics® Version 5.4 COMSOL Multiphysics® version 5.4 features new modeling tools, important performance improvements, a new Composite Materials Module, and COMSOL Compiler™ for creating standalone simulation applications and digital twins. Using COMSOL Compiler™, applications created with the Application Builder can be compiled and distributed as executable ...

COMSOL® Software Version 5.4 Release Highlights

Following concepts outlined in earlier works 22,23,28, stable nanodroplets are formed in a two-step emulsification process through the synergistic action of hydrophilic nanoparticles and an oil ...

3D printing of sacrificial templates into hierarchical ...

Risk is defined as a combination of probability of occurrence and the severity of harm. 26 The QRM workflow consists of (1) initiation, (2) assessment, (3) control, (4) review, and (5) communication of risks, as shown in Figure 2. The assessment involves the identification of hazards based on a systematic use of information.

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