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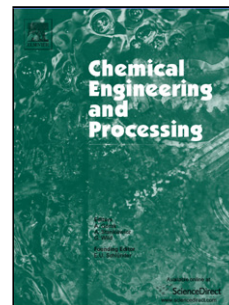
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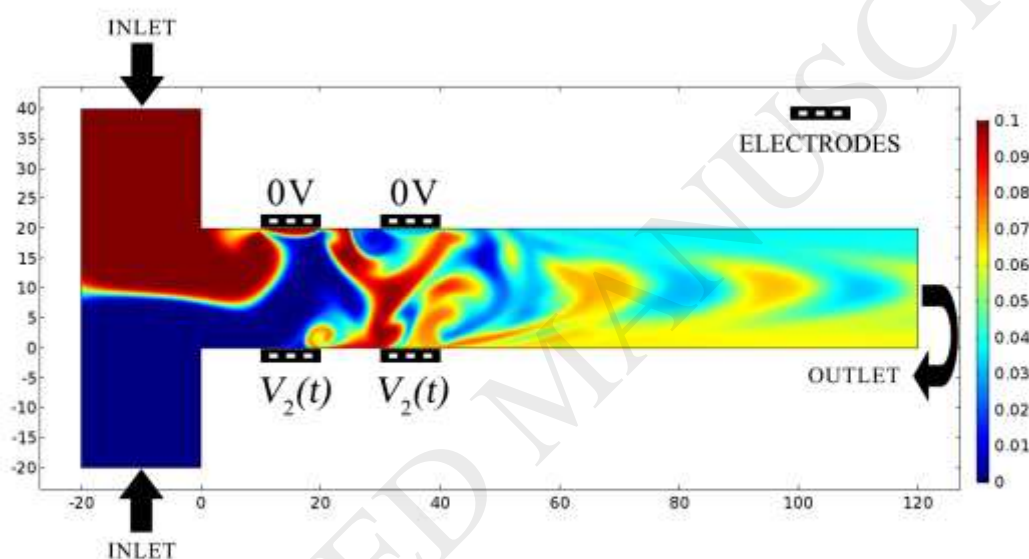
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Numerical simulation for electro-osmotic mixing under three types of periodic potentials in a T-shaped micro-mixer

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GRAPHICAL ABSTRACT



Highlights

- Three different types of periodic potentials are applied on the electrodes on the
- wall of a T-shaped micro-mixer to reveal the most energy-saving type of
- potential.
- Changes of mixing efficiency with the time t and the fluency f under all of
- three types of periodic potentials are obtained.
- To explain the results obtained, square wave function is chosen to analyse its

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