

Deep reinforcement learning-based digital twin for droplet microfluidics control

Gyimah, Nafisat; Scheler, Ott; Rang, Toomas; Pardy, Tamas Physics of Fluids 2023 / art. 082020 <https://doi.org/10.1063/5.0159981>
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Experimental study of uni- and bi-directional exchange flows in a large scale rotating trapezoidal channel

De Falco, Maria Chiara; Adduce, Claudia; Cuthbertson, Alan; Negretti, Maria Eletta; **Laanearu, Janek**; Malcangio, Daniela; Sommeria, Joel Physics of Fluids 2021 / art. 036602, 17 p. : ill <https://doi.org/10.1063/5.0039251> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Global time evolution of an axisymmetric vortex ring at low Reynolds numbers

Fukumoto, Yasuhide; **Kaplanski, Felix** Physics of fluids 2008 / p. 053103-1 - 053103-13 : ill <https://pubs.aip.org/aip/pof/article/20/5/053103/964428/Global-time-evolution-of-an-axisymmetric-vortex>

A Model for the formation of "optimal" vortex rings taking into account viscosity

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Reynolds-number effect on vortex ring evolution in a viscous fluid

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Three-dimensional finite element modelling of chemical environment in droplet-based microfluidic systems for drug therapy applications

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Wake waves of a planing boat : an experimental model

Tavakoli, Sasan; Shaghaghi, Poorya; Mancini, Simone; De Luca, Fabio; **Dashtimanesh, Abbas** Physics of Fluids 2022 / Art. nr. 037104 <https://doi.org/10.1063/5.0084074> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)