

- 624 Finite amplitude steady-state wave groups with multiple near resonances in deep water
Z. Liu, D. L. Xu & S. J. Liao
- 654 Global stability of buoyant jets and plumes
R. V. K. Chakravarthy, L. Lesshafft & P. Huerre
- 674 The effect of weak inertia in rotating high-aspect-ratio vessel bioreactors
M. P. Dalwadi, S. J. Chapman, J. M. Oliver & S. L. Waters
- 721 The steady motion of a closely fitting vesicle in a tube
J. M. Barakat & E. S. G. Shaqfeh
- S* 762 Inertial settling of a sphere through an interface. Part 1. From sphere flotation to wake fragmentation
J.-L. Pierson & J. Magnaudet
- 808 Inertial settling of a sphere through an interface. Part 2. Sphere and tail dynamics
J.-L. Pierson & J. Magnaudet
- S* 852 Flow separation control behind a cylindrical bump using dielectric-barrier-discharge vortex generator plasma actuators
J. A. Vernet, R. Örlü & P. H. Alfredsson
- 880 Scaling laws for migrating cloud of low-Reynolds-number particles with Coulomb repulsion
S. Chen, W. Liu & S. Q. Li
- 898 Görtler vortices in low-Reynolds-number flow over multi-element airfoil
J.-S. Wang, L.-H. Feng, J.-J. Wang & T. Li
- S* 936 Inertial flow transitions of a suspension in Taylor–Couette geometry
M. V. Majji, S. Banerjee & J. F. Morris
- 970 Detonation propagation in a circular arc: reactive burn modelling
M. Short, J. J. Quirk, C. Chiquete & C. D. Meyer
- S* 999 Entrainment across a sheared density interface in a cavity flow
N. Williamson, M. P. Kirkpatrick & S. W. Armfield
- 1022 Riemann solution for a class of morphodynamic shallow water dam-break problems
F. Zhu & N. Dodd
- 1048 Tensor geometry in the turbulent cascade
J. G. Ballouz & N. T. Ouellette
- 1065 Two mechanisms of droplet splashing on a solid substrate
Z. Jian, C. Josserand, S. Popinet, P. Ray & S. Zaleski
- S* 1087 Normal impact of supercooled water drops onto a smooth ice surface: experiments and modelling
M. Schremb, I. V. Roisman & C. Tropea
- 1108 Numerical simulation of the aerobreakup of a water droplet
J. C. Meng & T. Colonius
- S* 1136 Walking droplets interacting with single and double slits
G. Pucci, D. M. Harris, L. M. Faria & J. W. M. Bush
- 1157 Optimal heat transfer enhancement in plane Couette flow
S. Motoki, G. Kawahara & M. Shimizu

JFM Rapids (online only)

- R1 Ratchet mechanism of drops climbing a vibrated oblique plate
H. Ding, X. Zhu, P. Gao & X.-Y. Lu

S indicates supplementary data or movies available online.

- 1 Evolution and stationarity of liquid toroidal drop in compressional Stokes flow
B. K. Ee, O. M. Lavrenteva, I. Smagin & A. Nir
- 24 Non-isolated drop impact on surfaces
Y. Wang & L. Bourouiba
- S 45 Turbulent flows over superhydrophobic surfaces: flow-induced capillary waves, and robustness of air–water interfaces
J. Seo, R. García-Mayoral & A. Mani
- S 86 The three-dimensional structure of swirl-switching in bent pipe flow
L. Hufnagel, J. Canton, R. Örlü, O. Marin, E. Merzari & P. Schlatter
- S 102 Premixed turbulent flame speed in an oscillating disturbance field
L. J. Humphrey, B. Emerson & T. C. Lieuwen
- S 131 The set-down and set-up of directionally spread and crossing surface gravity wave groups
M. L. McAllister, T. A. A. Adcock, P. H. Taylor & T. S. van den Bremer
- 170 Effect of temperature gradient on the cross-stream migration of a surfactant-laden droplet in Poiseuille flow
S. Das, S. Mandal & S. Chakraborty
- 217 Turbulent boundary layers absent mean shear
B. A. Johnson & E. A. Cowen
- S 252 Trajectory of a model bacterium
A. Thawani & M. S. Tirumkudulu
- 271 Characteristics of the turbulent energy dissipation rate in a cylinder wake
J. G. Chen, Y. Zhou, R. A. Antonia & T. M. Zhou
- 301 Determination of the bottom deformation from space- and time-resolved water wave measurements
P. J. Cobelli, P. Petitjeans, A. Maurel & V. Pagneux
- 327 Large-eddy simulation of flow over a grooved cylinder up to transcritical Reynolds numbers
W. Cheng, D. I. Pullin & R. Samtaney
- 363 Pore-scale modelling of Ostwald ripening
J. A. de Chalendar, C. Garing & S. M. Benson
- S 393 Dynamics and structure of an apolar active suspension in an annulus
S. Chen, P. Gao & T. Gao
- 406 Scaling law for the lift force of autorotating falling seeds at terminal velocity
I. Lee & H. Choi
- 421 DNS of a turbulent Couette flow at constant wall transpiration up to $Re_\tau = 1000$
S. Kraheberger, S. Hoyas & M. Oberlack
- 444 Oscillations of confined fibres transported in microchannels
M. Nagel, P.-T. Brun, H. Berthet, A. Lindner, F. Gallaire & C. Duprat
- 471 Temporal acceleration of a turbulent channel flow
A. Mathur, S. Gorji, S. He, M. Seddighi, A. E. Vardy, T. O'Donoghue & D. Pokrajac
- 491 Mixed insulating and conducting thermal boundary conditions in Rayleigh–Bénard convection
D. Bakhuis, R. Ostilla-Mónico, E. P. van der Poel, R. Verzicco & D. Lohse
- 512 Water entry of a wedge with rolled-up vortex sheet
Y. A. Semenov & G. X. Wu
- 540 On the multiple solutions of coating and rimming flows on rotating cylinders
A. v. B. Lopes, U. Thiele & A. L. Hazel
- 575 Dynamics of nearly parallel interacting vortex filaments
J. A. Kwiecinski & R. A. Van Gorder

Contents continued on inside back cover.

Cambridge Core

For further information about this journal please go to the journal web site at cambridge.org/flm



MIX
Paper from
responsible sources
FSC® C007785

CAMBRIDGE
UNIVERSITY PRESS