

Yvonne M Stokes

List of Publications by Year in descending order

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49
papers

560
citations

687363

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49
all docs

49
docs citations

49
times ranked

537
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of Small Particle Inertial Migration in Curved Square Ducts. SIAM Journal on Applied Dynamical Systems, 2022, 21, 714-734.	1.6	5
2	A two-dimensional asymptotic model for capillary collapse. Journal of Fluid Mechanics, 2021, 909, .	3.4	2
3	Investigation of oversized channels in tubular fibre drawing. Optical Materials Express, 2021, 11, 905.	3.0	2
4	Wet chemical etching of single-bore microstructured silicon dioxide fibers. Physics of Fluids, 2020, 32, 073314.	4.0	1
5	Inertial focusing of non-neutrally buoyant spherical particles in curved microfluidic ducts. Journal of Fluid Mechanics, 2020, 902, .	3.4	9
6	Particle-laden thin-film flow in helical channels with arbitrary shallow cross-sectional shape. Physics of Fluids, 2019, 31, 073305.	4.0	1
7	Effect of inertial lift on a spherical particle suspended in flow through a curved duct. Journal of Fluid Mechanics, 2019, 875, 1-43.	3.4	21
8	Coupled fluid and energy flow in fabrication of microstructured optical fibres. Journal of Fluid Mechanics, 2019, 874, 548-572.	3.4	9
9	Can We Fabricate That Fibre?. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2019, , 1-13.	0.2	0
10	Fluid flow in a spiral microfluidic duct. Physics of Fluids, 2018, 30, .	4.0	10
11	A NOTE ON NAVIER'S STOKES EQUATIONS WITH NONORTHOGONAL COORDINATES. ANZIAM Journal, 2018, 59, 335-348.	0.2	2
12	Pinch-off masses of very viscous fluids extruded from dies of arbitrary shape. Physics of Fluids, 2018, 30, 073103.	4.0	1
13	Thin-film flow in helically wound shallow channels of arbitrary cross-sectional shape. Physics of Fluids, 2017, 29, 013102.	4.0	4
14	Extrusion of fluid cylinders of arbitrary shape with surface tension and gravity. Journal of Fluid Mechanics, 2017, 810, 127-154.	3.4	5
15	Simple Analysis of Line Packing, Attenuation, and Rarefaction Phenomena in Water Hammer. Journal of Hydraulic Engineering, 2017, 143, 06017017.	1.5	0
16	Drawing tubular fibres: experiments versus mathematical modelling. Optical Materials Express, 2016, 6, 166.	3.0	21
17	Gravitational extension of a fluid cylinder with internal structure. Journal of Fluid Mechanics, 2016, 790, 308-338.	3.4	10
18	The evolution of a viscous thread pulled with a prescribed speed. Journal of Fluid Mechanics, 2016, 795, 380-408.	3.4	5

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19	Asymptotic Modelling of a Six-Hole MOF. <i>Journal of Lightwave Technology</i> , 2016, 34, 5651-5656.	4.6	9
20	Elliptical pore regularisation of the inverse problem for microstructured optical fibre fabrication. <i>Journal of Fluid Mechanics</i> , 2015, 778, 5-38.	3.4	20
21	Microstructured optical fibre drawing with active channel pressurisation. <i>Journal of Fluid Mechanics</i> , 2015, 783, 137-165.	3.4	19
22	Thin-film flow in helically-wound rectangular channels of arbitrary torsion and curvature. <i>Journal of Fluid Mechanics</i> , 2015, 764, 76-94.	3.4	7
23	Behavior of a particle-laden flow in a spiral channel. <i>Physics of Fluids</i> , 2014, 26, 043302.	4.0	23
24	Prematuration with Cyclic Adenosine Monophosphate Modulators Alters Cumulus Cell and Oocyte Metabolism and Enhances Developmental Competence of In Vitro-Matured Mouse Oocytes. <i>Biology of Reproduction</i> , 2014, 91, 47.	2.7	64
25	Drawing of micro-structured fibres: circular and non-circular tubes. <i>Journal of Fluid Mechanics</i> , 2014, 755, 176-203.	3.4	31
26	Thin-film flow in helically wound rectangular channels with small torsion. <i>Physics of Fluids</i> , 2013, 25, 083103.	4.0	6
27	Pore Level Simulation of Miscible Injection with Gravity Domination. <i>Energy Procedia</i> , 2013, 37, 6885-6900.	1.8	2
28	ON THIN OR SLENDER BODIES. <i>ANZIAM Journal</i> , 2012, 53, 190-212.	0.2	4
29	Lubrication analysis and numerical simulation of the viscous micropump with slip. <i>International Journal of Heat and Fluid Flow</i> , 2012, 33, 22-34.	2.4	7
30	On generalised penalty approaches for slip, free surface and related boundary conditions in viscous flow simulation. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2011, 21, 668-702.	2.8	17
31	Pore Scale Visualization and Simulation of Miscible Displacement Process under Gravity Domination. , 2011, , .		1
32	Extensional flow at low Reynolds number with surface tension. <i>Journal of Engineering Mathematics</i> , 2011, 70, 321-331.	1.2	10
33	Estimation of Glucose Uptake by Ovarian Follicular Cells. <i>Annals of Biomedical Engineering</i> , 2011, 39, 2654-2667.	2.5	13
34	Follicle Structure Influences the Availability of Oxygen to the Oocyte in Antral Follicles. <i>Computational and Mathematical Methods in Medicine</i> , 2011, 2011, 1-9.	1.3	19
35	Quantifying oxygen diffusion in paraffin oil used in oocyte and embryo culture. <i>Molecular Reproduction and Development</i> , 2009, 76, 1178-1187.	2.0	18
36	Mathematical Modeling of Glucose Supply Toward Successful <i>In Vitro</i> Maturation of Mammalian Oocytes. <i>Tissue Engineering - Part A</i> , 2008, 14, 1539-1547.	3.1	13

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37	Computation of Extensional Fall of Slender Viscous Drops by a One-Dimensional Eulerian Method. SIAM Journal on Applied Mathematics, 2007, 67, 1166-1182.	1.8	8
38	Mathematical modelling of oxygen concentration in bovine and murine cumulus oocyte complexes. Reproduction, 2006, 131, 999-1006.	2.6	60
39	The role of inertia in extensional fall of a viscous drop. Journal of Fluid Mechanics, 2004, 498, 205-225.	3.4	26
40	Determining rotational deformity in broken forearms. ANZIAM Journal, 2003, 44, 561-568.	0.2	2
41	Flow in Spiral Channels of Small Curvature and Torsion. Fluid Mechanics and Its Applications, 2001, , 289-296.	0.2	5
42	Numerical design tools for thermal replication of optical-quality surfaces. Computers and Fluids, 2000, 29, 401-414.	2.5	9
43	Extensional fall of a very viscous fluid drop. Quarterly Journal of Mechanics and Applied Mathematics, 2000, 53, 565-582.	1.3	37
44	Flowing windowpanes: a comparison of Newtonian and Maxwell fluid models. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2000, 456, 1861-1864.	2.1	4
45	Flowing windowpanes: fact or fiction?. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 1999, 455, 2751-2756.	2.1	10
46	Slow slumping of a very viscous liquid bridge. Journal of Engineering Mathematics, 1997, 32, 27-40.	1.2	8
47	Pressure drop in pipelines due to pump trip event. ANZIAM Journal, 0, 57, 163.	0.0	0
48	A note on Navier-Stokes equations with nonorthogonal coordinates. ANZIAM Journal, 0, 59, 335.	0.0	0
49	Unsteady stretching of a glass tube with internal channel pressurisation. Physics of Fluids, 0, , .	4.0	0