

# Yvonne M Stokes

## List of Publications by Year in descending order

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49  
papers

560  
citations

687363

13  
h-index

677142

22  
g-index

49  
all docs

49  
docs citations

49  
times ranked

537  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Mathematical modelling of oxygen concentration in bovine and murine cumulus-oocyte complexes. <i>Reproduction</i> , 2006, 131, 999-1006.	2.6	60
3	Extensional fall of a very viscous fluid drop. <i>Quarterly Journal of Mechanics and Applied Mathematics</i> , 2000, 53, 565-582.	1.3	37
4	Drawing of micro-structured fibres: circular and non-circular tubes. <i>Journal of Fluid Mechanics</i> , 2014, 755, 176-203.	3.4	31
5	The role of inertia in extensional fall of a viscous drop. <i>Journal of Fluid Mechanics</i> , 2004, 498, 205-225.	3.4	26
6	Behavior of a particle-laden flow in a spiral channel. <i>Physics of Fluids</i> , 2014, 26, 043302.	4.0	23
7	Drawing tubular fibres: experiments versus mathematical modelling. <i>Optical Materials Express</i> , 2016, 6, 166.	3.0	21
8	Effect of inertial lift on a spherical particle suspended in flow through a curved duct. <i>Journal of Fluid Mechanics</i> , 2019, 875, 1-43.	3.4	21
9	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
10	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
11	Microstructured optical fibre drawing with active channel pressurisation. <i>Journal of Fluid Mechanics</i> , 2015, 783, 137-165.	3.4	19
12	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
13	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
14	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
15	Estimation of Glucose Uptake by Ovarian Follicular Cells. <i>Annals of Biomedical Engineering</i> , 2011, 39, 2654-2667.	2.5	13
16	Flowing windowpanes: fact or fiction?. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 1999, 455, 2751-2756.	2.1	10
17	Extensional flow at low Reynolds number with surface tension. <i>Journal of Engineering Mathematics</i> , 2011, 70, 321-331.	1.2	10
18	Gravitational extension of a fluid cylinder with internal structure. <i>Journal of Fluid Mechanics</i> , 2016, 790, 308-338.	3.4	10

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19	Fluid flow in a spiral microfluidic duct. <i>Physics of Fluids</i> , 2018, 30, .	4.0	10
20	Numerical design tools for thermal replication of optical-quality surfaces. <i>Computers and Fluids</i> , 2000, 29, 401-414.	2.5	9
21	Coupled fluid and energy flow in fabrication of microstructured optical fibres. <i>Journal of Fluid Mechanics</i> , 2019, 874, 548-572.	3.4	9
22	Inertial focusing of non-neutrally buoyant spherical particles in curved microfluidic ducts. <i>Journal of Fluid Mechanics</i> , 2020, 902, .	3.4	9
23	Asymptotic Modelling of a Six-Hole MOF. <i>Journal of Lightwave Technology</i> , 2016, 34, 5651-5656.	4.6	9
24	Slow slumping of a very viscous liquid bridge. <i>Journal of Engineering Mathematics</i> , 1997, 32, 27-40.	1.2	8
25	Computation of Extensional Fall of Slender Viscous Drops by a One-Dimensional Eulerian Method. <i>SIAM Journal on Applied Mathematics</i> , 2007, 67, 1166-1182.	1.8	8
26	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
27	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
28	Thin-film flow in helically wound rectangular channels with small torsion. <i>Physics of Fluids</i> , 2013, 25, 083103.	4.0	6
29	The evolution of a viscous thread pulled with a prescribed speed. <i>Journal of Fluid Mechanics</i> , 2016, 795, 380-408.	3.4	5
30	Extrusion of fluid cylinders of arbitrary shape with surface tension and gravity. <i>Journal of Fluid Mechanics</i> , 2017, 810, 127-154.	3.4	5
31	Flow in Spiral Channels of Small Curvature and Torsion. <i>Fluid Mechanics and Its Applications</i> , 2001, , 289-296.	0.2	5
32	Dynamics of Small Particle Inertial Migration in Curved Square Ducts. <i>SIAM Journal on Applied Dynamical Systems</i> , 2022, 21, 714-734.	1.6	5
33	Flowing windowpanes: a comparison of Newtonian and Maxwell fluid models. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2000, 456, 1861-1864.	2.1	4
34	ON THIN OR SLENDER BODIES. <i>ANZIAM Journal</i> , 2012, 53, 190-212.	0.2	4
35	Thin-film flow in helically wound shallow channels of arbitrary cross-sectional shape. <i>Physics of Fluids</i> , 2017, 29, 013102.	4.0	4
36	Determining rotational deformity in broken forearms. <i>ANZIAM Journal</i> , 2003, 44, 561-568.	0.2	2

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37	Pore Level Simulation of Miscible Injection with Gravity Domination. Energy Procedia, 2013, 37, 6885-6900.	1.8	2
38	A NOTE ON NAVIER-STOKES EQUATIONS WITH NONORTHOGONAL COORDINATES. ANZIAM Journal, 2018, 59, 335-348.	0.2	2
39	A two-dimensional asymptotic model for capillary collapse. Journal of Fluid Mechanics, 2021, 909, .	3.4	2
40	Investigation of oversized channels in tubular fibre drawing. Optical Materials Express, 2021, 11, 905.	3.0	2
41	Pore Scale Visualization and Simulation of Miscible Displacement Process under Gravity Domination. , 2011, , .		1
42	Pinch-off masses of very viscous fluids extruded from dies of arbitrary shape. Physics of Fluids, 2018, 30, 073103.	4.0	1
43	Particle-laden thin-film flow in helical channels with arbitrary shallow cross-sectional shape. Physics of Fluids, 2019, 31, 073305.	4.0	1
44	Wet chemical etching of single-bore microstructured silicon dioxide fibers. Physics of Fluids, 2020, 32, 073314.	4.0	1
45	Simple Analysis of Line Packing, Attenuation, and Rarefaction Phenomena in Water Hammer. Journal of Hydraulic Engineering, 2017, 143, 06017017.	1.5	0
46	Can We Fabricate That Fibre?. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2019, , 1-13.	0.2	0
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