

Oliver E Jensen

List of Publications by Year in descending order

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152
papers

6,207
citations

61857

43
h-index

85405

71
g-index

166
all docs

166
docs citations

166
times ranked

5990
citing authors

#	ARTICLE	IF	CITATIONS
1	BIOFLUID MECHANICS IN FLEXIBLE TUBES. Annual Review of Fluid Mechanics, 2004, 36, 121-147.	10.8	379
2	Auxin regulates aquaporin function to facilitate lateral root emergence. Nature Cell Biology, 2012, 14, 991-998.	4.6	323
3	Insoluble surfactant spreading on a thin viscous film: shock evolution and film rupture. Journal of Fluid Mechanics, 1992, 240, 259.	1.4	258
4	Root hydrotropism is controlled via a cortex-specific growth mechanism. Nature Plants, 2017, 3, 17057.	4.7	183
5	The spreading of heat or soluble surfactant along a thin liquid film. Physics of Fluids A, Fluid Dynamics, 1993, 5, 58-68.	1.6	178
6	A theoretical study of surfactant and liquid delivery into the lung. Journal of Applied Physiology, 1998, 85, 333-352.	1.2	161
7	The motion of a viscous drop through a cylindrical tube. Journal of Fluid Mechanics, 2004, 501, 279-301.	1.4	157
8	An integrative computational model for intestinal tissue renewal. Cell Proliferation, 2009, 42, 617-636.	2.4	142
9	A Mechanosensitive RhoA Pathway that Protects Epithelia against Acute Tensile Stress. Developmental Cell, 2018, 47, 439-452.e6.	3.1	131
10	Circadian control of the secretory pathway maintains collagen homeostasis. Nature Cell Biology, 2020, 22, 74-86.	4.6	130
11	The steady motion of a semi-infinite bubble through a flexible-walled channel. Journal of Fluid Mechanics, 1996, 319, 25.	1.4	120
12	Mathematical modelling of engineered tissue growth using a multiphase porous flow mixture theory. Journal of Mathematical Biology, 2006, 52, 571-594.	0.8	110
13	A hybrid approach to multi-scale modelling of cancer. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 5013-5028.	1.6	103
14	Growth-induced hormone dilution can explain the dynamics of plant root cell elongation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7577-7582.	3.3	95
15	Crypt dynamics and colorectal cancer: advances in mathematical modelling. Cell Proliferation, 2006, 39, 157-181.	2.4	87
16	Instabilities of flow in a collapsed tube. Journal of Fluid Mechanics, 1990, 220, 623-659.	1.4	81
17	The spreading of insoluble surfactant at the free surface of a deep fluid layer. Journal of Fluid Mechanics, 1995, 293, 349-378.	1.4	78
18	Exploiting heterogeneous environments: does photosynthetic acclimation optimize carbon gain in fluctuating light?. Journal of Experimental Botany, 2015, 66, 2437-2447.	2.4	78

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19	Theory and measurements of snores. <i>Journal of Applied Physiology</i> , 1993, 74, 2828-2837.	1.2	76
20	High-frequency self-excited oscillations in a collapsible-channel flow. <i>Journal of Fluid Mechanics</i> , 2003, 481, 235-268.	1.4	74
21	Sliding, slipping and rolling: the sedimentation of a viscous drop down a gently inclined plane. <i>Journal of Fluid Mechanics</i> , 2004, 512, .	1.4	72
22	A model of carbon dioxide dissolution and mineral carbonation kinetics. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2010, 466, 1265-1290.	1.0	70
23	A Mathematical Model of Intervillous Blood Flow in the Human Placenta. <i>Placenta</i> , 2010, 31, 44-52.	0.7	67
24	The existence of steady flow in a collapsed tube. <i>Journal of Fluid Mechanics</i> , 1989, 206, 339-374.	1.4	65
25	A fibre-reinforced fluid model of anisotropic plant cell growth. <i>Journal of Fluid Mechanics</i> , 2010, 655, 472-503.	1.4	65
26	On the role of stress anisotropy in the growth of stems. <i>Journal of Experimental Botany</i> , 2013, 64, 4697-4707.	2.4	65
27	Multiscale Systems Analysis of Root Growth and Development: Modeling Beyond the Network and Cellular Scales. <i>Plant Cell</i> , 2012, 24, 3892-3906.	3.1	64
28	Interaction of exogenous and endogenous surfactant: spreading-rate effects. <i>Journal of Applied Physiology</i> , 1995, 78, 750-756.	1.2	62
29	Continuum approximations of individual-based models for epithelial monolayers. <i>Mathematical Medicine and Biology</i> , 2010, 27, 39-74.	0.8	62
30	Theoretical models for coronary vascular biomechanics: Progress & challenges. <i>Progress in Biophysics and Molecular Biology</i> , 2011, 104, 49-76.	1.4	62
31	The 4-Dimensional Plant: Effects of Wind-Induced Canopy Movement on Light Fluctuations and Photosynthesis. <i>Frontiers in Plant Science</i> , 2016, 7, 1392.	1.7	62
32	High-Resolution Three-Dimensional Structural Data Quantify the Impact of Photoinhibition on Long-Term Carbon Gain in Wheat Canopies in the Field. <i>Plant Physiology</i> , 2015, 169, 1192-1204.	2.3	61
33	Decoupling the Roles of Cell Shape and Mechanical Stress in Orienting and Cueing Epithelial Mitosis. <i>Cell Reports</i> , 2019, 26, 2088-2100.e4.	2.9	61
34	The thin liquid lining of a weakly curved cylindrical tube. <i>Journal of Fluid Mechanics</i> , 1997, 331, 373-403.	1.4	58
35	Elucidating the interactions between the adhesive and transcriptional functions of -catenin in normal and cancerous cells. <i>Journal of Theoretical Biology</i> , 2007, 247, 77-102.	0.8	56
36	The steady propagation of a bubble in a flexible-walled channel: Asymptotic and computational models. <i>Physics of Fluids</i> , 2002, 14, 443-457.	1.6	55

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37	The drag on a microcantilever oscillating near a wall. <i>Journal of Fluid Mechanics</i> , 2005, 545, 397.	1.4	55
38	Capillary drainage of an annular film: the dynamics of collars and lobes. <i>Journal of Fluid Mechanics</i> , 2006, 552, 311.	1.4	54
39	A model of crosslink kinetics in the expanding plant cell wall: Yield stress and enzyme action. <i>Journal of Theoretical Biology</i> , 2012, 307, 125-136.	0.8	53
40	Mechanical modelling quantifies the functional importance of outer tissue layers during root elongation and bending. <i>New Phytologist</i> , 2014, 202, 1212-1222.	3.5	53
41	Local and global instabilities of flow in a flexible-walled channel. <i>European Journal of Mechanics, B/Fluids</i> , 2009, 28, 541-557.	1.2	52
42	Spreading and peeling dynamics in a model of cell adhesion. <i>Journal of Fluid Mechanics</i> , 2002, 460, 381-409.	1.4	51
43	Chaotic Oscillations in a Simple Collapsible-Tube Model. <i>Journal of Biomechanical Engineering</i> , 1992, 114, 55-59.	0.6	49
44	Photocatalytic conversion of CO ₂ to hydrocarbons by light-harvesting complex assisted Rh-doped TiO ₂ photocatalyst. <i>Journal of CO₂ Utilization</i> , 2014, 5, 33-40.	3.3	49
45	Buckling as an origin of ordered cuticular patterns in flower petals. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20120847.	1.5	46
46	Self-similar, surfactant-driven flows. <i>Physics of Fluids</i> , 1994, 6, 1084-1094.	1.6	44
47	Human placental oxygenation in late gestation: experimental and theoretical approaches. <i>Journal of Physiology</i> , 2018, 596, 5523-5534.	1.3	44
48	Relating cell shape and mechanical stress in a spatially disordered epithelium using a vertex-based model. <i>Mathematical Medicine and Biology</i> , 2018, 35, i1-i27.	0.8	44
49	A biomechanical model of anther opening reveals the roles of dehydration and secondary thickening. <i>New Phytologist</i> , 2012, 196, 1030-1037.	3.5	42
50	Vertex-element models for anisotropic growth of elongated plant organs. <i>Frontiers in Plant Science</i> , 2013, 4, 233.	1.7	42
51	Three-dimensional flow due to a microcantilever oscillating near a wall: an unsteady slender-body analysis. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2006, 462, 913-933.	1.0	40
52	Stochastic Elastohydrodynamics of a Microcantilever Oscillating Near a Wall. <i>Physical Review Letters</i> , 2006, 96, 050801.	2.9	39
53	Flows in Deformable Tubes and Channels. <i>Fluid Mechanics and Its Applications</i> , 2003, , 15-49.	0.1	39
54	Transport of a passive solute by surfactant-driven flows. <i>Chemical Engineering Science</i> , 1994, 49, 1107-1117.	1.9	38

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55	Collagen fibril assembly: New approaches to unanswered questions. <i>Matrix Biology Plus</i> , 2021, 12, 100079.	1.9	38
56	A biomechanical model of agonist-initiated contraction in the asthmatic airway. <i>Respiratory Physiology and Neurobiology</i> , 2010, 170, 44-58.	0.7	37
57	A Rational Derivation of a Tube Law from Shell Theory. <i>Quarterly Journal of Mechanics and Applied Mathematics</i> , 2010, 63, 465-496.	0.5	37
58	Predicting the onset of high-frequency self-excited oscillations in elastic-walled tubes. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2010, 466, 3635-3657.	1.0	37
59	Dissolution-driven porous-medium convection in the presence of chemical reaction. <i>Journal of Fluid Mechanics</i> , 2014, 747, 316-349.	1.4	37
60	Blood Flow and Transport in the Human Placenta. <i>Annual Review of Fluid Mechanics</i> , 2019, 51, 25-47.	10.8	36
61	Image-Based Modeling of Blood Flow and Oxygen Transfer in Feto-Placental Capillaries. <i>PLoS ONE</i> , 2016, 11, e0165369.	1.1	35
62	Intracellular Flow in Optic Nerve Axons: A Mechanism for Cell Death in Glaucoma. , 2009, 50, 3750.		34
63	Growth-induced buckling of an epithelial layer. <i>Biomechanics and Modeling in Mechanobiology</i> , 2011, 10, 883-900.	1.4	33
64	Nonlinear Compliance Modulates Dynamic Bronchoconstriction in a Multiscale Airway Model. <i>Biophysical Journal</i> , 2014, 107, 3030-3042.	0.2	33
65	The spreading and stability of a surfactant-laden drop on a prewetted substrate. <i>Journal of Fluid Mechanics</i> , 2006, 554, 5.	1.4	32
66	Transport in the placenta: homogenizing haemodynamics in a disordered medium. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 4162-4182.	1.6	32
67	Draining Collars and Lenses in Liquid-Lined Vertical Tubes. <i>Journal of Colloid and Interface Science</i> , 2000, 221, 38-49.	5.0	31
68	Multiscale Models in the Biomechanics of Plant Growth. <i>Physiology</i> , 2015, 30, 159-166.	1.6	30
69	A study of the bifurcation behaviour of a model of flow through a collapsible tube. <i>Bulletin of Mathematical Biology</i> , 1996, 58, 611-641.	0.9	28
70	Unsteady bubble propagation in a flexible channel: predictions of a viscous stick-slip instability. <i>Journal of Fluid Mechanics</i> , 2005, 528, 53-86.	1.4	28
71	Sloshing and slamming oscillations in a collapsible channel flow. <i>Journal of Fluid Mechanics</i> , 2010, 662, 288-319.	1.4	28
72	The stress singularity in surfactant-driven thin-film flows. Part 1. Viscous effects. <i>Journal of Fluid Mechanics</i> , 1998, 372, 273-300.	1.4	27

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73	The energetics of flow through a rapidly oscillating tube. Part 1. General theory. <i>Journal of Fluid Mechanics</i> , 2010, 648, 83-121.	1.4	27
74	Physical and geometric determinants of transport in fetoplacental microvascular networks. <i>Science Advances</i> , 2019, 5, eaav6326.	4.7	27
75	Transient elastohydrodynamic drag on a particle moving near a deformable wall. <i>Quarterly Journal of Mechanics and Applied Mathematics</i> , 2006, 59, 277-300.	0.5	26
76	T-cell motility in the early stages of the immune response modeled as a random walk amongst targets. <i>Physical Review E</i> , 2006, 74, 011910.	0.8	26
77	Mechanical characterization of disordered and anisotropic cellular monolayers. <i>Physical Review E</i> , 2018, 97, 052409.	0.8	26
78	Bond tilting and sliding friction in a model of cell adhesion. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2008, 464, 447-467.	1.0	25
79	Buckling of a growing tissue and the emergence of two-dimensional patterns. <i>Mathematical Biosciences</i> , 2013, 246, 229-241.	0.9	24
80	Prediction and measurement of the area-distance profile of collapsed tubes during self-excited oscillation. <i>Journal of Fluids and Structures</i> , 1994, 8, 637-660.	1.5	21
81	Epithelial cell deformation during surfactant-mediated airway reopening: a theoretical model. <i>Journal of Applied Physiology</i> , 2005, 99, 458-471.	1.2	21
82	The Role of Inflammation Resolution Speed in Airway Smooth Muscle Mass Accumulation in Asthma: Insight from a Theoretical Model. <i>PLoS ONE</i> , 2014, 9, e90162.	1.1	21
83	Airway and Parenchymal Strains during Bronchoconstriction in the Precision Cut Lung Slice. <i>Frontiers in Physiology</i> , 2016, 7, 309.	1.3	21
84	Capillary-elastic Instabilities of Liquid-lined Lung Airways. <i>Journal of Biomechanical Engineering</i> , 2002, 124, 650-655.	0.6	20
85	Three-dimensional plant architecture and sunlight-shaded patterns: a stochastic model of light dynamics in canopies. <i>Annals of Botany</i> , 2018, 122, 291-302.	1.4	19
86	Weakly Nonlinear Deformation of a Thin Poroelastic Layer With a Free Surface. <i>Journal of Applied Mechanics, Transactions ASME</i> , 1994, 61, 729-731.	1.1	18
87	Thin-film flows near isolated humps and interior corners. <i>Journal of Engineering Mathematics</i> , 2004, 50, 289-309.	0.6	18
88	On a biophysical and mathematical model of Pgp-mediated multidrug resistance: understanding the time-dimension of MDR. <i>European Biophysics Journal</i> , 2010, 39, 201-211.	1.2	18
89	High-Rayleigh-number convection of a reactive solute in a porous medium. <i>Journal of Fluid Mechanics</i> , 2014, 760, 95-126.	1.4	18
90	Patterns of recruitment and injury in a heterogeneous airway network model. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20150523.	1.5	18

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91	Experimental and theoretical modelling of blind-ended vessels within a developing angiogenic plexus. <i>Microvascular Research</i> , 2008, 76, 161-168.	1.1	17
92	Divergence-driven oscillations in a flexible-channel flow with fixed upstream flux. <i>Journal of Fluid Mechanics</i> , 2013, 723, 706-733.	1.4	17
93	The energetics of flow through a rapidly oscillating tube. Part 2. Application to an elliptical tube. <i>Journal of Fluid Mechanics</i> , 2010, 648, 123-153.	1.4	16
94	Hybrid vertex-midline modelling of elongated plant organs. <i>Interface Focus</i> , 2016, 6, 20160043.	1.5	16
95	The stress singularity in surfactant-driven thin-film flows. Part 2. Inertial effects. <i>Journal of Fluid Mechanics</i> , 1998, 372, 301-322.	1.4	15
96	Buckling of an axisymmetric vesicle under compression: the effects of resistance to shear. <i>Quarterly Journal of Mechanics and Applied Mathematics</i> , 2007, 61, 1-24.	0.5	15
97	A Theoretical Model to Allow Prediction of the CSF Pressure From Observations of the Retinal Venous Pulse. , 2014, 55, 6319.		15
98	A semi-infinite bubble advancing into a planar tapered channel. <i>Physics of Fluids</i> , 2002, 14, 431-442.	1.6	14
99	Resonance-driven oscillations in a flexible-channel flow with fixed upstream flux and a long downstream rigid segment. <i>Journal of Fluid Mechanics</i> , 2014, 746, 368-404.	1.4	14
100	Shock formation and non-linear dispersion in a microvascular capillary network. <i>Mathematical Medicine and Biology</i> , 2007, 24, 379-400.	0.8	13
101	Three-dimensional elastohydrodynamics of a thin plate oscillating above a wall. <i>Physical Review E</i> , 2008, 78, 056310.	0.8	13
102	The role of contractile unit reorganization in force generation in airway smooth muscle. <i>Mathematical Medicine and Biology</i> , 2014, 31, 99-124.	0.8	13
103	Ribbon curling via stress relaxation in thin polymer films. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1719-1724.	3.3	13
104	Osmotic and electroosmotic fluid transport across the retinal pigment epithelium: A mathematical model. <i>Journal of Theoretical Biology</i> , 2018, 456, 233-248.	0.8	12
105	Spectral graph theory efficiently characterizes ventilation heterogeneity in lung airway networks. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20200253.	1.5	12
106	Static and dynamic stress heterogeneity in a multiscale model of the asthmatic airway wall. <i>Journal of Applied Physiology</i> , 2016, 121, 233-247.	1.2	11
107	Surfactant and Airway Liquid Flows. <i>Lung Biology in Health and Disease</i> , 2005, , 191-227.	0.1	11
108	Linear Flow and Deformation in a Poroelastic Disk With a Free Surface. <i>Journal of Applied Mechanics, Transactions ASME</i> , 1994, 61, 726-728.	1.1	10

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109	An Asymptotic Model of Unsteady Airway Reopening. <i>Journal of Biomechanical Engineering</i> , 2003, 125, 823-831.	0.6	10
110	Local instabilities of flow in a flexible channel: Asymmetric flutter driven by a weak critical layer. <i>Physics of Fluids</i> , 2010, 22, 031902.	1.6	10
111	Curvature-Sensitive Kinesin Binding Can Explain Microtubule Ring Formation and Reveals Chaotic Dynamics in a Mathematical Model. <i>Bulletin of Mathematical Biology</i> , 2018, 80, 3002-3022.	0.9	10
112	Quantifying the impact of tissue metabolism on solute transport in feto-placental microvascular networks. <i>Interface Focus</i> , 2019, 9, 20190021.	1.5	10
113	Liquid film dynamics in horizontal and tilted tubes: Dry spots and sliding drops. <i>Physics of Fluids</i> , 2007, 19, 042102.	1.6	9
114	A multi-scale model for solute transport in a wavy-walled channel. <i>Journal of Engineering Mathematics</i> , 2009, 64, 25-48.	0.6	9
115	Surfactant Transport Over Airway Liquid Lining of Nonuniform Depth. <i>Journal of Biomechanical Engineering</i> , 2000, 122, 159-165.	0.6	8
116	Techniques for analysing pattern formation in populations of stem cells and their progeny. <i>BMC Bioinformatics</i> , 2011, 12, 396.	1.2	8
117	Modelling structural determinants of ventilation heterogeneity: A perturbative approach. <i>PLoS ONE</i> , 2018, 13, e0208049.	1.1	8
118	An Asymptotic Model of Viscous Flow Limitation in a Highly Collapsed Channel. <i>Journal of Biomechanical Engineering</i> , 1998, 120, 544-546.	0.6	7
119	Two-dimensional nonlinear advection-diffusion in a model of surfactant spreading on a thin liquid film. <i>IMA Journal of Applied Mathematics</i> , 2001, 66, 55-82.	0.8	7
120	Substrate degradation in high-Rayleigh-number reactive convection. <i>Physics of Fluids</i> , 2015, 27, .	1.6	7
121	Trapping and displacement of liquid collars and plugs in rough-walled tubes. <i>Physical Review Fluids</i> , 2017, 2, .	1.0	6
122	Surface-tension-driven evolution of a viscoplastic liquid coating the interior of a cylindrical tube. <i>Journal of Fluid Mechanics</i> , 2022, 944, .	1.4	6
123	Characterizing the multiscale structure of fluctuations of transported quantities in a disordered medium. <i>IMA Journal of Applied Mathematics</i> , 2012, 77, 697-725.	0.8	5
124	A low-order model for slamming in a flexible-channel flow. <i>Quarterly Journal of Mechanics and Applied Mathematics</i> , 2015, 68, 299-319.	0.5	5
125	Drop spreading with random viscosity. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2016, 472, 20160270.	1.0	5
126	A study of the bifurcation behaviour of a model of flow through a collapsible tube. <i>Bulletin of Mathematical Biology</i> , 1996, 58, 611-641.	0.9	4

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127	An asymptotic analysis of the buckling of a highly shear-resistant vesicle. <i>European Journal of Applied Mathematics</i> , 2009, 20, 479-518.	1.4	4
128	Early gene regulation of osteogenesis in embryonic stem cells. <i>Integrative Biology (United Kingdom)</i> , 2012, 4, 1470.	0.6	4
129	Stochastic transport in the presence of spatial disorder: Fluctuation-induced corrections to homogenization. <i>Physical Review E</i> , 2016, 94, 042121.	0.8	4
130	Homogenization approximations for unidirectional transport past randomly distributed sinks. <i>IMA Journal of Applied Mathematics</i> , 2020, 85, 161-189.	0.8	4
131	Force networks, torque balance and Airy stress in the planar vertex model of a confluent epithelium. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020, 476, 20190716.	1.0	4
132	Micro-haemodynamics at the maternal-fetal interface: Experimental, theoretical and clinical perspectives. <i>Current Opinion in Biomedical Engineering</i> , 2022, 22, 100387.	1.8	4
133	Surfactant spreading in a two-dimensional cavity and emergent contact-line singularities. <i>Journal of Fluid Mechanics</i> , 2022, 930, .	1.4	3
134	Growth of the chorioallantoic membrane into a rapid-prototyped model pore system: experiments and mathematical model. <i>Biomechanics and Modeling in Mechanobiology</i> , 2011, 10, 539-558.	1.4	2
135	Instabilities of Flows through Deformable Tubes and Channels. , 2013, , 101-116.		2
136	Bubble Propagation In Flexible Channels With Permeable Walls. <i>Fluid Mechanics and Its Applications</i> , 2001, , 137-144.	0.1	2
137	A field theory for plant tropisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	2
138	Long-Time Draining of Thin Liquid Films in Buckled Lung Airways. <i>Fluid Mechanics and Its Applications</i> , 2001, , 265-272.	0.1	1
139	Decoupling the roles of cell shape and mechanical stress in orienting and cueing epithelial mitosis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
140	The effect of isolated ridges and grooves on static menisci in rectangular channels. <i>Journal of Fluid Mechanics</i> , 2022, 935, .	1.4	1
141	Microhydrodynamique dans les systÃ©mes biologiques. <i>Mecanique Et Industries</i> , 2001, 2, 283-287.	0.2	0
142	A Mechanistic Model For Disruption Of Actin-Myosin Connectivity In An Airway Smooth Muscle Cell. , 2011, , .		0
143	Effect of intermittent inspiratory leaks on measurement of lung clearance index using nitrogen and sulfur hexafluoride. <i>ERJ Open Research</i> , 2018, 4, 00132-2018.	1.1	0
144	Drop spreading and drifting on a spatially heterogeneous film: capturing variability with asymptotics and emulation. <i>Journal of Engineering Mathematics</i> , 2018, 111, 191-208.	0.6	0

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145	Thin-sheet theory for soft materials. <i>Journal of Fluid Mechanics</i> , 2021, 910, .	1.4	0
146	Bubble Propagation in a Flexible-Walled Channel. <i>Fluid Mechanics and Its Applications</i> , 2000, , 149-157.	0.1	0
147	Steady Flows and Instabilities in Collapsible Tubes. , 1990, , 33-40.		0
148	Predicting multiple breath washout outcomes from hyperpolarised gas magnetic resonance imaging (MRI). , 2019, , .		0
149	Combining patient-specific airway models with acinar asymmetry in simulations of multiple breath washout (MBW). , 2019, , .		0
150	Interpretation of multiple breath washout (MBW) measurements of lung function using mathematical modelling and hyperpolarised ³ He gas MRI. , 2020, , .		0
151	Model-based Bayesian inference of the ventilation distribution in patients with Cystic Fibrosis from multiple breath washout, with comparison to ventilation MRI. <i>Respiratory Physiology and Neurobiology</i> , 2022, 302, 103919.	0.7	0
152	Advection-dominated transport past isolated disordered sinks: stepping beyond homogenization. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2022, 478, .	1.0	0