

Ian Frigaard

List of Publications by Year in descending order

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179
papers

5,239
citations

76294

40
h-index

110317

64
g-index

185
all docs

185
docs citations

185
times ranked

1635
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of wellbore irregularity on primary cementing of horizontal wells, Part 1: Large scale effects. Journal of Petroleum Science and Engineering, 2022, 208, 109581.	2.1	10
2	Evaluation of common cementing practices affecting primary cementing quality. Journal of Petroleum Science and Engineering, 2022, 208, 109622.	2.1	12
3	Bubbles rising through a layer of Carbopol capped with water. Journal of Non-Newtonian Fluid Mechanics, 2022, 300, 104700.	1.0	2
4	Effects of wellbore irregularity on primary cementing of horizontal wells, Part 2: Small scale effects. Journal of Petroleum Science and Engineering, 2022, 210, 110026.	2.1	11
5	A Comprehensive Study on Intermittent Operation of Horizontal Deep Borehole Heat Exchangers. Energies, 2022, 15, 307.	1.6	5
6	Turbulent drag reduction of viscoelastic wormlike micellar gels. Journal of Non-Newtonian Fluid Mechanics, 2022, 301, 104724.	1.0	11
7	Stability of yield stress fluid flows, Part 1. , 2022, 2, 100016.		1
8	Flow onset for a single bubble in a yield-stress fluid. Journal of Fluid Mechanics, 2022, 933, .	1.4	7
9	Displacement flows in eccentric annuli with a rotating inner cylinder. Physics of Fluids, 2022, 34, .	1.6	5
10	Turbulent displacement flows of viscoplastic fluids in obstructed eccentric annuli: Experiments. Physics of Fluids, 2022, 34, .	1.6	4
11	SlurryNet: Predicting Critical Velocities and Frictional Pressure Drops in Oilfield Suspension Flows. Energies, 2021, 14, 1263.	1.6	2
12	A Comparative Study of Laminar-Turbulent Displacement in an Eccentric Annulus under Imposed Flow Rate and Imposed Pressure Drop Conditions. Energies, 2021, 14, 1654.	1.6	5
13	Primary cementing of horizontal wells. Displacement flows in eccentric horizontal annuli. Part 2. Computations. Journal of Fluid Mechanics, 2021, 915, .	1.4	10
14	Effects of non-uniform rheology on the motion of bubbles in a yield-stress fluid. Journal of Fluid Mechanics, 2021, 919, .	1.4	12
15	Eliminating injection and memory effects in bubble rise experiments within yield stress fluids. Journal of Non-Newtonian Fluid Mechanics, 2021, 292, 104531.	1.0	15
16	Fully turbulent flows of viscoplastic fluids in a rectangular duct. Journal of Non-Newtonian Fluid Mechanics, 2021, 293, 104570.	1.0	11
17	Rheology of wormlike micellar gels formed by long-chained zwitterionic surfactants. Journal of Rheology, 2021, 65, 1065-1080.	1.3	5
18	Clouds of bubbles in a viscoplastic fluid. Journal of Fluid Mechanics, 2021, 927, .	1.4	6

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19	Squeeze cementing: Invasion of a yield stress suspension into a pore. Journal of Non-Newtonian Fluid Mechanics, 2021, 298, 104681.	1.0	6
20	Comment on "Bejan's flow visualization of buoyancy-driven flow of a hydromagnetic Casson fluid from an isothermal wavy surface" [Phys. Fluids 33(9), 093113 (2021)]. Physics of Fluids, 2021, 33, 129101.	1.6	4
21	Computing the yield limit in three-dimensional flows of a yield stress fluid about a settling particle. Journal of Non-Newtonian Fluid Mechanics, 2020, 284, 104374.	1.0	12
22	Primary cementing of horizontal wells. Displacement flows in eccentric horizontal annuli. Part 1. Experiments. Journal of Fluid Mechanics, 2020, 905, .	1.4	13
23	Rapid classification of primary cementing flows. Chemical Engineering Science, 2020, 219, 115506.	1.9	6
24	Strategies for mud-removal from washouts during cementing of vertical surface casing. Journal of Petroleum Science and Engineering, 2020, 195, 107454.	2.1	12
25	Buoyancy effects on turbulent displacement of viscoplastic fluids from strongly eccentric horizontal annuli. Physics of Fluids, 2020, 32, .	1.6	8
26	Dean flow of a Bingham fluid in a curved rectangular duct. Journal of Non-Newtonian Fluid Mechanics, 2020, 286, 104440.	1.0	7
27	Turbulent displacement flow of viscoplastic fluids in eccentric annulus: Experiments. Physics of Fluids, 2020, 32, .	1.6	15
28	Gravel packing: How does it work?. Physics of Fluids, 2020, 32, 053308.	1.6	4
29	Stable Triple-Layer Lubricated Pipeline Flow. , 2020, , .		0
30	Background Lectures on Ideal Visco-Plastic Fluid Flows. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2019, , 1-40.	0.3	10
31	Stable core-annular horizontal flows in inaccessible domains via a triple-layer configuration. Chemical Engineering Science: X, 2019, 3, 100028.	1.5	3
32	Inertial effects in triple-layer core-annular pipeline flow. Physics of Fluids, 2019, 31, 103102.	1.6	5
33	Three dimensional simulation of flow development of triple-layer lubricated pipeline transport. Journal of Non-Newtonian Fluid Mechanics, 2019, 274, 104201.	1.0	0
34	Plug and abandonment practices and trends: A British Columbia perspective. Journal of Petroleum Science and Engineering, 2019, 183, 106417.	2.1	52
35	A three layer model for solids transport in pipes. Chemical Engineering Science, 2019, 205, 374-390.	1.9	12
36	Simple yield stress fluids. Current Opinion in Colloid and Interface Science, 2019, 43, 80-93.	3.4	57

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37	Onset of flow in a vibrated thin viscoplastic layer. Journal of Non-Newtonian Fluid Mechanics, 2019, 266, 95-101.	1.0	4
38	Comparing laminar and turbulent primary cementing flows. Journal of Petroleum Science and Engineering, 2019, 177, 808-821.	2.1	23
39	Stability of flows with the BMP model in the yield stress limit. Korea Australia Rheology Journal, 2019, 31, 211-228.	0.7	1
40	Effects of irregularity on displacement flows in primary cementing of highly deviated wells. Journal of Petroleum Science and Engineering, 2019, 172, 662-680.	2.1	21
41	Density-stable displacement flow of immiscible fluids in inclined pipes. Physical Review Fluids, 2019, 4, .	1.0	8
42	Laminar Displacement Flows in Vertical Eccentric Annuli: Experiments and Simulations. , 2019, , .		3
43	Plug and Abandonment Environment in British Columbia. , 2019, , .		0
44	A two-layer model for buoyant inertial displacement flows in inclined pipes. Physics of Fluids, 2018, 30, .	1.6	17
45	Inline motion and hydrodynamic interaction of 2D particles in a viscoplastic fluid. Physics of Fluids, 2018, 30, 033101.	1.6	22
46	Tracking Fluid Interface in Carbon Capture and Storage Cement Placement Application. , 2018, , .		0
47	Turbulent displacement flows in primary cementing of oil and gas wells. Physics of Fluids, 2018, 30, 123101.	1.6	25
48	Viscosity effects in density-stable miscible displacement flows: Experiments and simulations. Physics of Fluids, 2018, 30, 123104.	1.6	24
49	Tracking fluid interfaces in primary cementing of surface casing. Physics of Fluids, 2018, 30, 093104.	1.6	4
50	A model for foamed cementing of oil and gas wells. Journal of Engineering Mathematics, 2018, 113, 93-121.	0.6	7
51	Displacement Efficiency for Primary Cementing of Washout Sections in Highly Deviated Wells. , 2018, , .		2
52	Two-layer displacement flow of miscible fluids with viscosity ratio: Experiments. Physics of Fluids, 2018, 30, .	1.6	20
53	Onset of miscible and immiscible fluidsâ€™ invasion into a viscoplastic fluid. Physics of Fluids, 2018, 30, .	1.6	13
54	Buoyancy effects on micro-annulus formation: Density unstable Newtonianâ€™Bingham fluid displacements in vertical channels. Journal of Non-Newtonian Fluid Mechanics, 2018, 260, 145-162.	1.0	14

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55	Practical guidelines for fast, efficient and robust simulations of yield-stress flows without regularisation: A study of accelerated proximal gradient and augmented Lagrangian methods. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2018, 262, 149-164.	1.0	15
56	Flow development and interface sculpting in stable lubricated pipeline transport. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2018, 261, 60-80.	1.0	6
57	The influence of thixotropy in start-up flow of yield stress fluids in a pipe. <i>Journal of Petroleum Science and Engineering</i> , 2018, 171, 794-807.	2.1	13
58	Using Lightweight or Low Viscosity Preflushes for Primary Cementing of Surface Casing. , 2018, , .		3
59	Bingham's model in the oil and gas industry. <i>Rheologica Acta</i> , 2017, 56, 259-282.	1.1	123
60	Critical Yield Numbers of Rigid Particles Settling in Bingham Fluids and Cheeger Sets. <i>SIAM Journal on Applied Mathematics</i> , 2017, 77, 638-663.	0.8	9
61	Yield limit analysis of particle motion in a yield-stress fluid. <i>Journal of Fluid Mechanics</i> , 2017, 819, 311-351.	1.4	36
62	Buoyancy effects on micro-annulus formation: Density stable displacement of Newtonian-Bingham fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2017, 247, 22-40.	1.0	29
63	Cloaking: Particles in a yield-stress fluid. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2017, 243, 47-55.	1.0	26
64	Dispersion of solids in fracturing flows of yield stress fluids. <i>Journal of Fluid Mechanics</i> , 2017, 830, 93-137.	1.4	24
65	Viscoplastic fluid displacement flows in horizontal channels: Numerical simulations. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2017, 249, 79-96.	1.0	19
66	Rheology and flow studies of drag-reducing gravel packing fluids. <i>Rheologica Acta</i> , 2017, 56, 905-914.	1.1	4
67	Primary cementing of oil and gas wells in turbulent and mixed regimes. <i>Journal of Engineering Mathematics</i> , 2017, 107, 201-230.	0.6	41
68	Triple-layer configuration for stable high-speed lubricated pipeline transport. <i>Physical Review Fluids</i> , 2017, 2, .	1.0	5
69	Viscoplastic Fluids from Theory to Application: 10 Years On. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2016, 238, 1-5.	1.0	3
70	Non-Darcy effects in fracture flows of a yield stress fluid. <i>Journal of Fluid Mechanics</i> , 2016, 805, 222-261.	1.4	38
71	Thermal plumes in viscoplastic fluids: flow onset and development. <i>Journal of Fluid Mechanics</i> , 2016, 787, 474-507.	1.4	21
72	Isodense displacement flow of viscoplastic fluids along a pipe. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2016, 236, 91-103.	1.0	13

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73	Axial dispersion in weakly turbulent flows of yield stress fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2016, 235, 1-19.	1.0	19
74	Particle settling in yield stress fluids: Limiting time, distance and applications. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2016, 238, 189-204.	1.0	32
75	Invasion of fluids into a gelled fluid column: Yield stress effects. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2016, 238, 212-223.	1.0	3
76	Flow, onset and stability: Qualitative analysis of yield stress fluid flow in enclosures. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2016, 238, 224-232.	1.0	10
77	Dynamics of the removal of viscoplastic fluids from inclined pipes. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2016, 229, 43-58.	1.0	20
78	A novel heat transfer switch using the yield stress. <i>Journal of Fluid Mechanics</i> , 2015, 783, 526-566.	1.4	36
79	Macro-size drop encapsulation. <i>Journal of Fluid Mechanics</i> , 2015, 769, 482-521.	1.4	17
80	Residual drilling mud during conditioning of uneven boreholes in primary cementing. Part 2: Steady laminar inertial flows. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2015, 226, 1-15.	1.0	35
81	Residual drilling mud during conditioning of uneven boreholes in primary cementing. Part 1: Rheology and geometry effects in non-inertial flows. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2015, 220, 87-98.	1.0	48
82	Miscible heavy-light displacement flows in an inclined two-dimensional channel: A numerical approach. <i>Physics of Fluids</i> , 2014, 26, 122104.	1.6	18
83	Yielding to Stress: Recent Developments in Viscoplastic Fluid Mechanics. <i>Annual Review of Fluid Mechanics</i> , 2014, 46, 121-146.	10.8	468
84	Visco-plastic sculpting. <i>Physics of Fluids</i> , 2014, 26, .	1.6	15
85	The stability of spiral Poiseuille flows of Newtonian and Bingham fluids in an annular gap. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2013, 193, 3-10.	1.0	6
86	Natural convection flows of a Bingham fluid in a long vertical channel. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2013, 201, 39-55.	1.0	25
87	A semi-analytical closure approximation for pipe flows of two Herschel-Bulkley fluids with a stratified interface. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2013, 193, 49-67.	1.0	12
88	The occurrence of fouling layers in the flow of a yield stress fluid along a wavy-walled channel. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2013, 198, 109-124.	1.0	48
89	A weighted residual method for two-layer non-Newtonian channel flows: steady-state results and their stability. <i>Journal of Fluid Mechanics</i> , 2013, 731, 509-544.	1.4	20
90	Incomplete fluid-fluid displacement of yield-stress fluids. Part 2: Highly inclined pipes. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2013, 201, 80-93.	1.0	39

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91	Estimation of mixing volumes in buoyant miscible displacement flows along near-horizontal pipes. Canadian Journal of Chemical Engineering, 2013, 91, 399-412.	0.9	8
92	Miscible density-unstable displacement flows in inclined tube. Physics of Fluids, 2013, 25, .	1.6	44
93	Miscible density-stable displacement flows in inclined tube. Physics of Fluids, 2012, 24, .	1.6	22
94	Miscible displacement flows in near-horizontal ducts at low Atwood number. Journal of Fluid Mechanics, 2012, 696, 175-214.	1.4	63
95	Buoyant miscible displacement flows at moderate viscosity ratios and low Atwood numbers in near-horizontal ducts. Chemical Engineering Science, 2012, 69, 404-418.	1.9	29
96	Incomplete fluid-fluid displacement of yield stress fluids in near-horizontal pipes: Experiments and theory. Journal of Non-Newtonian Fluid Mechanics, 2012, 167-168, 59-74.	1.0	50
97	Nonlinear stability of a visco-plastically lubricated viscoelastic fluid flow. Journal of Non-Newtonian Fluid Mechanics, 2012, 169-170, 61-73.	1.0	17
98	Entry, start up and stability effects in visco-plastically lubricated pipe flows. Journal of Fluid Mechanics, 2011, 673, 432-467.	1.4	29
99	Stable core-annular flows of viscoelastic fluids using the visco-plastic lubrication technique. Journal of Non-Newtonian Fluid Mechanics, 2011, 166, 1356-1368.	1.0	18
100	An oscillatory flow phenomenon in microtube flows of thermally responsive fluids. Journal of Engineering Mathematics, 2011, 71, 31-53.	0.6	0
101	Static wall layers in plane channel displacement flows. Journal of Non-Newtonian Fluid Mechanics, 2011, 166, 245-261.	1.0	40
102	Multi-layer channel flows with yield stress fluids. Journal of Non-Newtonian Fluid Mechanics, 2011, 166, 262-278.	1.0	16
103	Unstable parallel flows triggered by a fast chemical reaction. Journal of Non-Newtonian Fluid Mechanics, 2011, 166, 500-514.	1.0	11
104	Stationary residual layers in buoyant Newtonian displacement flows. Physics of Fluids, 2011, 23, .	1.6	53
105	An experimental study of laminar displacement flows in narrow vertical eccentric annuli. Journal of Fluid Mechanics, 2010, 649, 371-398.	1.4	38
106	Non-Newtonian fluid displacements in horizontal narrow eccentric annuli: effects of slow motion of the inner cylinder. Journal of Fluid Mechanics, 2010, 653, 137-173.	1.4	26
107	Experimental Studies of Visco-Elastic Flow Using Visco-Plastic Lubricant. , 2010, , .		0
108	Influence of an imposed flow on the stability of a gravity current in a near horizontal duct. Physics of Fluids, 2010, 22, .	1.6	48

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109	Slumping Flows in Narrow Eccentric Annuli: Design of Chemical Packers and Cementing of Subsurface Gas Pipelines. <i>Transport in Porous Media</i> , 2010, 83, 29-53.	1.2	6
110	Creeping flow around particles in a Bingham fluid. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2010, 165, 263-280.	1.0	72
111	The critical wall velocity for stabilization of plane Couette-Poiseuille flow of viscoelastic fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2010, 165, 441-447.	1.0	6
112	Stable two-layer flows at all Re; visco-plastic lubrication of shear-thinning and viscoelastic fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2010, 165, 1578-1587.	1.0	16
113	Buoyancy driven slump flows of non-Newtonian fluids in pipes. <i>Journal of Petroleum Science and Engineering</i> , 2010, 72, 236-243.	2.1	14
114	Fractionation of non-Brownian rod-like particle suspensions in a viscoplastic fluid. <i>Chemical Engineering Science</i> , 2010, 65, 1762-1772.	1.9	13
115	On the stability of plane Couette-Poiseuille flow with uniform crossflow. <i>Journal of Fluid Mechanics</i> , 2010, 656, 417-447.	1.4	14
116	Stability of plane Couette-Poiseuille flow of shear-thinning fluid. <i>Physics of Fluids</i> , 2009, 21, .	1.6	40
117	Displacement flows in horizontal, narrow, eccentric annuli with a moving inner cylinder. <i>Physics of Fluids</i> , 2009, 21, .	1.6	27
118	Kinematic instabilities in two-layer eccentric annular flows, part 2: shear-thinning and yield-stress effects. <i>Journal of Engineering Mathematics</i> , 2009, 65, 25-52.	0.6	10
119	Nonlinear stability of the Bingham Rayleigh-Bénard Poiseuille flow. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2009, 158, 127-131.	1.0	5
120	V.M. Entov, 1937-2008. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2009, 158, 4-5.	1.0	0
121	Visco-plastic fluids: From Theory to Application. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2009, 158, 1-3.	1.0	8
122	A 1.5D numerical model for the start up of weakly compressible flow of a viscoplastic and thixotropic fluid in pipelines. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2009, 159, 81-94.	1.0	114
123	On the lubrication paradox and the use of regularisation methods for lubrication flows. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2009, 163, 62-77.	1.0	82
124	Observation of laminar-turbulent transition of a yield stress fluid in Hagen-Poiseuille flow. <i>Journal of Fluid Mechanics</i> , 2009, 627, 97-128.	1.4	51
125	Buoyancy-dominated displacement flows in near-horizontal channels: the viscous limit. <i>Journal of Fluid Mechanics</i> , 2009, 639, 1-35.	1.4	87
126	Start-up of Gelled Waxy Crude Oil Pipelines: A New Analytical Relation to Predict the Restart Pressure. , 2009, , .		16

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127	Kinematic instabilities in two-layer eccentric annular flows, part 1: Newtonian fluids. <i>Journal of Engineering Mathematics</i> , 2008, 62, 103-131.	0.6	13
128	Settling of an isolated spherical particle in a yield stress shear thinning fluid. <i>Physics of Fluids</i> , 2008, 20, .	1.6	112
129	Viscoplastic fluid displacements in horizontal narrow eccentric annuli: stratification and travelling wave solutions. <i>Journal of Fluid Mechanics</i> , 2008, 605, 293-327.	1.4	53
130	Cementing Horizontal Wells: Complete Zonal Isolation Without Casing Rotation. , 2008, , .		5
131	Visco-plastic Fluids: From Theory to Application. <i>Applied Rheology</i> , 2008, 18, 48-50.	3.5	0
132	A novel low inertia shear flow instability triggered by a chemical reaction. <i>Physics of Fluids</i> , 2007, 19, .	1.6	14
133	Transient effects in oilfield cementing flows: Qualitative behaviour. <i>European Journal of Applied Mathematics</i> , 2007, 18, 477-512.	1.4	10
134	Are Preflushes Really Contributing to Mud Displacement During Primary Cementing?. , 2007, , .		17
135	Propagation and stopping of air bubbles in Carbopol solutions. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2007, 142, 123-134.	1.0	87
136	Experimental studies of multi-layer flows using a visco-plastic lubricant. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2007, 142, 150-161.	1.0	30
137	Start-up transients and efficient computation of isothermal waxy crude oil flows. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2007, 143, 141-156.	1.0	92
138	Compressible displacement of waxy crude oils in long pipeline startup flows. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2007, 147, 45-64.	1.0	57
139	A Semianalytical Thermal Stress Model for the Czochralski Growth of Type III-V Compounds. <i>SIAM Journal on Applied Mathematics</i> , 2006, 66, 1533-1562.	0.8	4
140	Yield stress effects on Rayleigh-Bénard convection. <i>Journal of Fluid Mechanics</i> , 2006, 566, 389.	1.4	78
141	Stability and instability of Taylor-Couette flows of a Bingham fluid. <i>Journal of Fluid Mechanics</i> , 2006, 560, 321.	1.4	37
142	Dispersion effects in the miscible displacement of two fluids in a duct of large aspect ratio. <i>Journal of Fluid Mechanics</i> , 2006, 549, 225.	1.4	16
143	Herschel-Bulkley diffusion filtering: non-Newtonian fluid mechanics in image processing. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2006, 86, 474-494.	0.9	7
144	On the usage of viscosity regularisation methods for visco-plastic fluid flow computation. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2005, 127, 1-26.	1.0	255

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145	Two-dimensional computational simulation of eccentric annular cementing displacements. IMA Journal of Applied Mathematics, 2004, 69, 557-583.	0.8	59
146	Mud removal and cement placement during primary cementing of an oil well " Part 2; steady-state displacements. Journal of Engineering Mathematics, 2004, 48, 1-26.	0.6	71
147	Modeling a turbulent fibre suspension flowing in a planar contraction: The one-dimensional headbox. International Journal of Multiphase Flow, 2004, 30, 51-66.	1.6	58
148	Numerical solution of duct flows of multiple visco-plastic fluids. Journal of Non-Newtonian Fluid Mechanics, 2004, 122, 227-241.	1.0	57
149	Upper bounds on the slump length in plug cementing of near-horizontal wells. Journal of Non-Newtonian Fluid Mechanics, 2004, 117, 147-162.	1.0	3
150	Flow of a visco-plastic fluid in a channel of slowly varying width. Journal of Non-Newtonian Fluid Mechanics, 2004, 123, 67-83.	1.0	85
151	Visco-plastic fluid displacements in near-vertical narrow eccentric annuli: prediction of travelling-wave solutions and interfacial instability. Journal of Fluid Mechanics, 2004, 520, 343-377.	1.4	69
152	Nonlinear stability of a visco-plastically lubricated viscous shear flow. Journal of Fluid Mechanics, 2004, 506, 117-146.	1.4	33
153	Conditions for static bubbles in viscoplastic fluids. Physics of Fluids, 2004, 16, 4319-4330.	1.6	90
154	Variational methods and maximal residual wall layers. Journal of Fluid Mechanics, 2003, 483, 37-65.	1.4	20
155	On Effective Stopping Time Selection for Visco-Plastic Nonlinear BV Diffusion Filters Used in Image Denoising. SIAM Journal on Applied Mathematics, 2003, 63, 1911-1934.	0.8	12
156	On three-dimensional linear stability of Poiseuille flow of Bingham fluids. Physics of Fluids, 2003, 15, 2843.	1.6	51
157	Effective and Ineffective Strategies for Mud Removal and Cement Slurry Design. , 2003, , .		23
158	Predicting Transition to Turbulence in Well Construction Flows. , 2003, , .		3
159	Title is missing!. Journal of Engineering Mathematics, 2002, 43, 229-253.	0.6	129
160	Setting Rheological Targets for Chemical Solutions in Mud Removal and Cement Slurry Design. , 2001, , .		8
161	Super-stable parallel flows of multiple visco-plastic fluids. Journal of Non-Newtonian Fluid Mechanics, 2001, 100, 49-75.	1.0	52
162	Nonlinear stability of Poiseuille flow of a Bingham fluid: theoretical results and comparison with phenomenological criteria. Journal of Non-Newtonian Fluid Mechanics, 2001, 100, 127-149.	1.0	105

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163	Uniqueness and Non-uniqueness in the Steady Displacement of Two Visco-plastic Fluids. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2001, 81, 99-118.	0.9	20
164	Viscous-Pill Design Methodology Leads to Increased Cement Plug Success Rates; Application and Case Studies from Southern Algeria. , 2000, , .		8
165	Static wall layers in the displacement of two visco-plastic fluids in a plane channel. Journal of Fluid Mechanics, 2000, 424, 243-277.	1.4	112
166	The Effects of Yield Stress Variation on Uniaxial Exchange Flows of Two Bingham Fluids in a Pipe. SIAM Journal on Applied Mathematics, 2000, 60, 1950-1976.	0.8	33
167	Transient fluid motions in a simplified model for oilfield plug cementing. Mathematical and Computer Modelling, 1999, 30, 71-91.	2.0	12
168	Title is missing!. Journal of Engineering Mathematics, 1999, 36, 327-348.	0.6	21
169	Stratified exchange flows of two Bingham fluids in an inclined slot. Journal of Non-Newtonian Fluid Mechanics, 1998, 78, 61-87.	1.0	30
170	High Penetration Rates: Hazards and Well Control - A Case Study. , 1997, , .		2
171	Spraying the Perfect Billet. SIAM Journal on Applied Mathematics, 1997, 57, 649-682.	0.8	11
172	Solidification of aluminium spray-formed billets. Journal of Engineering Mathematics, 1997, 31, 411-437.	0.6	7
173	Complex Well Control Events Accurately Represented by an Advanced Kick Simulator. , 1996, , .		15
174	Solidification of aluminium spray-formed billets. Journal of Engineering Mathematics, 1996, 30, 417-443.	0.6	2
175	Spray-forming Aluminium Billets. , 1996, , 389-396.		0
176	The Dynamics of Spray-Formed Billets. SIAM Journal on Applied Mathematics, 1995, 55, 1161-1203.	0.8	16
177	On the stability of Poiseuille flow of a Bingham fluid. Journal of Fluid Mechanics, 1994, 263, 133-150.	1.4	102
178	Temperature Surges in Current-Limiting Circuit Devices. SIAM Journal on Applied Mathematics, 1992, 52, 998-1011.	0.8	59
179	Bubble Suspension In Yield-Stress Fluids. , 0, , .		0