Ian Frigaard

List of Publications by Year
in descending order

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	Yielding to Stress: Recent Developments in Viscoplastic Fluid Mechanics. Annual Review of Fluid Mechanics, 2014, 46, 121-146.	10.8	468
2	On the usage of viscosity regularisation methods for visco-plastic fluid flow computation. Journal of Non-Newtonian Fluid Mechanics, 2005, 127, 1-26.	1.0	255
3	Title is missing!. Journal of Engineering Mathematics, 2002, 43, 229-253.	0.6	129
4	Binghamâ€™s model in the oil and gas industry. Rheologica Acta, 2017, 56, 259-282.	1.1	123
5	A 1.5D numerical model for the start up of weakly compressible flow of a viscoplastic and thixotropic fluid in pipelines. Journal of Non-Newtonian Fluid Mechanics, 2009, 159, 81-94.	1.0	114
6	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
7	Settling of an isolated spherical particle in a yield stress shear thinning fluid. Physics of Fluids, 2008, 20, .	1.6	112
8	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
9	On the stability of Poiseuille flow of a Bingham fluid. Journal of Fluid Mechanics, 1994, 263, 133-150.	1.4	102
10	Start-up transients and efficient computation of isothermal waxy crude oil flows. Journal of Non-Newtonian Fluid Mechanics, 2007, 143, 141-156.	1.0	92
11	Conditions for static bubbles in viscoplastic fluids. Physics of Fluids, 2004, 16, 4319-4330.	1.6	90
12	Propagation and stopping of air bubbles in Carbopol solutions. Journal of Non-Newtonian Fluid Mechanics, 2007, 142, 123-134.	1.0	87
13	Buoyancy-dominated displacement flows in near-horizontal channels: the viscous limit. Journal of Fluid Mechanics, 2009, 639, 1-35.	1.4	87
14	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
15	On the lubrication paradox and the use of regularisation methods for lubrication flows. Journal of Non-Newtonian Fluid Mechanics, 2009, 163, 62-77.	1.0	82
16	Yield stress effects on Rayleighâ€“BÃ©nard convection. Journal of Fluid Mechanics, 2006, 566, 389.	1.4	78
17	Creeping flow around particles in a Bingham fluid. Journal of Non-Newtonian Fluid Mechanics, 2010, 165, 263-280.	1.0	72
18	Mud removal and cement placement during primary cementing of an oil well â€“ Part 2; steady-state displacements. Journal of Engineering Mathematics, 2004, 48, 1-26.	0.6	71

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19	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
20	Miscible displacement flows in near-horizontal ducts at low Atwood number. Journal of Fluid Mechanics, 2012, 696, 175-214.	1.4	63
21	Temperature Surges in Current-Limiting Circuit Devices. SIAM Journal on Applied Mathematics, 1992, 52, 998-1011.	0.8	59
22	Two-dimensional computational simulation of eccentric annular cementing displacements. IMA Journal of Applied Mathematics, 2004, 69, 557-583.	0.8	59
23	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
24	Numerical solution of duct flows of multiple visco-plastic fluids. Journal of Non-Newtonian Fluid Mechanics, 2004, 122, 227-241.	1.0	57
25	Compressible displacement of waxy crude oils in long pipeline startup flows. Journal of Non-Newtonian Fluid Mechanics, 2007, 147, 45-64.	1.0	57
26	Simple yield stress fluids. Current Opinion in Colloid and Interface Science, 2019, 43, 80-93.	3.4	57
27	Viscoplastic fluid displacements in horizontal narrow eccentric annuli: stratification and travelling wave solutions. Journal of Fluid Mechanics, 2008, 605, 293-327.	1.4	53
28	Stationary residual layers in buoyant Newtonian displacement flows. Physics of Fluids, 2011, 23, .	1.6	53
29	Super-stable parallel flows of multiple visco-plastic fluids. Journal of Non-Newtonian Fluid Mechanics, 2001, 100, 49-75.	1.0	52
30	Plug and abandonment practices and trends: A British Columbia perspective. Journal of Petroleum Science and Engineering, 2019, 183, 106417.	2.1	52
31	On three-dimensional linear stability of Poiseuille flow of Bingham fluids. Physics of Fluids, 2003, 15, 2843.	1.6	51
32	Observation of laminarâ€“turbulent transition of a yield stress fluid in Hagenâ€“Poiseuille flow. Journal of Fluid Mechanics, 2009, 627, 97-128.	1.4	51
33	Incomplete fluidâ€“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
34	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
35	The occurrence of fouling layers in the flow of a yield stress fluid along a wavy-walled channel. Journal of Non-Newtonian Fluid Mechanics, 2013, 198, 109-124.	1.0	48
36	Residual drilling mud during conditioning of uneven boreholes in primary cementing. Part 1: Rheology and geometry effects in non-inertial flows. Journal of Non-Newtonian Fluid Mechanics, 2015, 220, 87-98.	1.0	48

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37	Miscible density-unstable displacement flows in inclined tube. Physics of Fluids, 2013, 25, .	1.6	44
38	Primary cementing of oil and gas wells in turbulent and mixed regimes. Journal of Engineering Mathematics, 2017, 107, 201-230.	0.6	41
39	Stability of plane Couetteâ€“Poiseuille flow of shear-thinning fluid. Physics of Fluids, 2009, 21, .	1.6	40
40	Static wall layers in plane channel displacement flows. Journal of Non-Newtonian Fluid Mechanics, 2011, 166, 245-261.	1.0	40
41	Incomplete fluidâ€“fluid displacement of yield-stress fluids. Part 2: Highly inclined pipes. Journal of Non-Newtonian Fluid Mechanics, 2013, 201, 80-93.	1.0	39
42	An experimental study of laminar displacement flows in narrow vertical eccentric annuli. Journal of Fluid Mechanics, 2010, 649, 371-398.	1.4	38
43	Non-Darcy effects in fracture flows of a yield stress fluid. Journal of Fluid Mechanics, 2016, 805, 222-261.	1.4	38
44	Stability and instability of Taylorâ€“Couette flows of a Bingham fluid. Journal of Fluid Mechanics, 2006, 560, 321.	1.4	37
45	A novel heat transfer switch using the yield stress. Journal of Fluid Mechanics, 2015, 783, 526-566.	1.4	36
46	Yield limit analysis of particle motion in aÂyield-stress fluid. Journal of Fluid Mechanics, 2017, 819, 311-351.	1.4	36
47	Residual drilling mud during conditioning of uneven boreholes in primary cementing. Part 2: Steady laminar inertial flows. Journal of Non-Newtonian Fluid Mechanics, 2015, 226, 1-15.	1.0	35
48	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
49	Nonlinear stability of a visco-plastically lubricated viscous shear flow. Journal of Fluid Mechanics, 2004, 506, 117-146.	1.4	33
50	Particle settling in yield stress fluids: Limiting time, distance and applications. Journal of Non-Newtonian Fluid Mechanics, 2016, 238, 189-204.	1.0	32
51	Stratified exchange flows of two Bingham fluids in an inclined slot. Journal of Non-Newtonian Fluid Mechanics, 1998, 78, 61-87.	1.0	30
52	Experimental studies of multi-layer flows using a visco-plastic lubricant. Journal of Non-Newtonian Fluid Mechanics, 2007, 142, 150-161.	1.0	30
53	Entry, start up and stability effects in visco-plastically lubricated pipe flows. Journal of Fluid Mechanics, 2011, 673, 432-467.	1.4	29
54	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

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55	Buoyancy effects on micro-annulus formation: Density stable displacement of Newtonianâ€“Bingham fluids. Journal of Non-Newtonian Fluid Mechanics, 2017, 247, 22-40.	1.0	29
56	Displacement flows in horizontal, narrow, eccentric annuli with a moving inner cylinder. Physics of Fluids, 2009, 21, .	1.6	27
57	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
58	Cloaking: Particles in a yield-stress fluid. Journal of Non-Newtonian Fluid Mechanics, 2017, 243, 47-55.	1.0	26
59	Natural convection flows of a Bingham fluid in a long vertical channel. Journal of Non-Newtonian Fluid Mechanics, 2013, 201, 39-55.	1.0	25
60	Turbulent displacement flows in primary cementing of oil and gas wells. Physics of Fluids, 2018, 30, 123101.	1.6	25
61	Dispersion of solids in fracturing flows of yield stress fluids. Journal of Fluid Mechanics, 2017, 830, 93-137.	1.4	24
62	Viscosity effects in density-stable miscible displacement flows: Experiments and simulations. Physics of Fluids, 2018, 30, 123104.	1.6	24
63	Effective and Ineffective Strategies for Mud Removal and Cement Slurry Design. , 2003, , .		23
64	Comparing laminar and turbulent primary cementing flows. Journal of Petroleum Science and Engineering, 2019, 177, 808-821.	2.1	23
65	Miscible density-stable displacement flows in inclined tube. Physics of Fluids, 2012, 24, .	1.6	22
66	Inline motion and hydrodynamic interaction of 2D particles in a viscoplastic fluid. Physics of Fluids, 2018, 30, 033101.	1.6	22
67	Title is missing!. Journal of Engineering Mathematics, 1999, 36, 327-348.	0.6	21
68	Thermal plumes in viscoplastic fluids: flow onset and development. Journal of Fluid Mechanics, 2016, 787, 474-507.	1.4	21
69	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
70	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
71	Variational methods and maximal residual wall layers. Journal of Fluid Mechanics, 2003, 483, 37-65.	1.4	20
72	A weighted residual method for two-layer non-Newtonian channel flows: steady-state results and their stability. Journal of Fluid Mechanics, 2013, 731, 509-544.	1.4	20

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73	Dynamics of the removal of viscoplastic fluids from inclined pipes. Journal of Non-Newtonian Fluid Mechanics, 2016, 229, 43-58.	1.0	20
74	Two-layer displacement flow of miscible fluids with viscosity ratio: Experiments. Physics of Fluids, 2018, 30, .	1.6	20
75	Axial dispersion in weakly turbulent flows of yield stress fluids. Journal of Non-Newtonian Fluid Mechanics, 2016, 235, 1-19.	1.0	19
76	Viscoplastic fluid displacement flows in horizontal channels: Numerical simulations. Journal of Non-Newtonian Fluid Mechanics, 2017, 249, 79-96.	1.0	19
77	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
78	Miscible heavy-light displacement flows in an inclined two-dimensional channel: A numerical approach. Physics of Fluids, 2014, 26, 122104.	1.6	18
79	Are Preflushes Really Contributing to Mud Displacement During Primary Cementing?. , 2007, , .		17
80	Nonlinear stability of a visco-plastically lubricated viscoelastic fluid flow. Journal of Non-Newtonian Fluid Mechanics, 2012, 169-170, 61-73.	1.0	17
81	Macro-size drop encapsulation. Journal of Fluid Mechanics, 2015, 769, 482-521.	1.4	17
82	A two-layer model for buoyant inertial displacement flows in inclined pipes. Physics of Fluids, 2018, 30, .	1.6	17
83	The Dynamics of Spray-Formed Billets. SIAM Journal on Applied Mathematics, 1995, 55, 1161-1203.	0.8	16
84	Dispersion effects in the miscible displacement of two fluids in a duct of large aspect ratio. Journal of Fluid Mechanics, 2006, 549, 225.	1.4	16
85	Start-up of Gelled Waxy Crude Oil Pipelines: A New Analytical Relation to Predict the Restart Pressure. , 2009, , .		16
86	Stable two-layer flows at all Re; visco-plastic lubrication of shear-thinning and viscoelastic fluids. Journal of Non-Newtonian Fluid Mechanics, 2010, 165, 1578-1587.	1.0	16
87	Multi-layer channel flows with yield stress fluids. Journal of Non-Newtonian Fluid Mechanics, 2011, 166, 262-278.	1.0	16
88	Complex Well Control Events Accurately Represented by an Advanced Kick Simulator. , 1996, , .		15
89	Visco-plastic sculpting. Physics of Fluids, 2014, 26, .	1.6	15
90	Practical guidelines for fast, efficient and robust simulations of yield-stress flows without regularisation: A study of accelerated proximal gradient and augmented Lagrangian methods. Journal of Non-Newtonian Fluid Mechanics, 2018, 262, 149-164.	1.0	15

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91	Turbulent displacement flow of viscoplastic fluids in eccentric annulus: Experiments. Physics of Fluids, 2020, 32, .	1.6	15
92	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
93	A novel low inertia shear flow instability triggered by a chemical reaction. Physics of Fluids, 2007, 19, .	1.6	14
94	Buoyancy driven slump flows of non-Newtonian fluids in pipes. Journal of Petroleum Science and Engineering, 2010, 72, 236-243.	2.1	14
95	On the stability of plane Couetteâ€“Poiseuille flow with uniform crossflow. Journal of Fluid Mechanics, 2010, 656, 417-447.	1.4	14
96	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
97	Kinematic instabilities in two-layer eccentric annular flows, part 1: Newtonian fluids. Journal of Engineering Mathematics, 2008, 62, 103-131.	0.6	13
98	Fractionation of non-Brownian rod-like particle suspensions in a viscoplastic fluid. Chemical Engineering Science, 2010, 65, 1762-1772.	1.9	13
99	Isodense displacement flow of viscoplastic fluids along a pipe. Journal of Non-Newtonian Fluid Mechanics, 2016, 236, 91-103.	1.0	13
100	Onset of miscible and immiscible fluidsâ€™ invasion into a viscoplastic fluid. Physics of Fluids, 2018, 30, .	1.6	13
101	The influence of thixotropy in start-up flow of yield stress fluids in a pipe. Journal of Petroleum Science and Engineering, 2018, 171, 794-807.	2.1	13
102	Primary cementing of horizontal wells. Displacement flows in eccentric horizontal annuli. Part 1. Experiments. Journal of Fluid Mechanics, 2020, 905, .	1.4	13
103	Transient fluid motions in a simplified model for oilfield plug cementing. Mathematical and Computer Modelling, 1999, 30, 71-91.	2.0	12
104	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
105	A semi-analytical closure approximation for pipe flows of two Herschelâ€“Bulkley fluids with a stratified interface. Journal of Non-Newtonian Fluid Mechanics, 2013, 193, 49-67.	1.0	12
106	A three layer model for solids transport in pipes. Chemical Engineering Science, 2019, 205, 374-390.	1.9	12
107	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
108	Strategies for mud-removal from washouts during cementing of vertical surface casing. Journal of Petroleum Science and Engineering, 2020, 195, 107454.	2.1	12

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109	Effects of non-uniform rheology on the motion of bubbles in a yield-stress fluid. Journal of Fluid Mechanics, 2021, 919, .	1.4	12
110	Evaluation of common cementing practices affecting primary cementing quality. Journal of Petroleum Science and Engineering, 2022, 208, 109622.	2.1	12
111	Spraying the Perfect Billet. SIAM Journal on Applied Mathematics, 1997, 57, 649-682.	0.8	11
112	Unstable parallel flows triggered by a fast chemical reaction. Journal of Non-Newtonian Fluid Mechanics, 2011, 166, 500-514.	1.0	11
113	Fully turbulent flows of viscoplastic fluids in a rectangular duct. Journal of Non-Newtonian Fluid Mechanics, 2021, 293, 104570.	1.0	11
114	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
115	Turbulent drag reduction of viscoelastic wormlike micellar gels. Journal of Non-Newtonian Fluid Mechanics, 2022, 301, 104724.	1.0	11
116	Transient effects in oilfield cementing flows: Qualitative behaviour. European Journal of Applied Mathematics, 2007, 18, 477-512.	1.4	10
117	Kinematic instabilities in two-layer eccentric annular flows, part 2: shear-thinning and yield-stress effects. Journal of Engineering Mathematics, 2009, 65, 25-52.	0.6	10
118	Flow, onset and stability: Qualitative analysis of yield stress fluid flow in enclosures. Journal of Non-Newtonian Fluid Mechanics, 2016, 238, 224-232.	1.0	10
119	Background Lectures on Ideal Visco-Plastic Fluid Flows. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2019, , 1-40.	0.3	10
120	Primary cementing of horizontal wells. Displacement flows in eccentric horizontal annuli. Part 2. Computations. Journal of Fluid Mechanics, 2021, 915, .	1.4	10
121	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
122	Critical Yield Numbers of Rigid Particles Settling in Bingham Fluids and Cheeger Sets. SIAM Journal on Applied Mathematics, 2017, 77, 638-663.	0.8	9
123	Viscous-Pill Design Methodology Leads to Increased Cement Plug Success Rates; Application and Case Studies from Southern Algeria. , 2000, , .		8
124	Setting Rheological Targets for Chemical Solutions in Mud Removal and Cement Slurry Design. , 2001, , .		8
125	Visco-plastic fluids: From Theory to Application. Journal of Non-Newtonian Fluid Mechanics, 2009, 158, 1-3.	1.0	8
126	Estimation of mixing volumes in buoyant miscible displacement flows along nearâ€horizontal pipes. Canadian Journal of Chemical Engineering, 2013, 91, 399-412.	0.9	8

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127	Buoyancy effects on turbulent displacement of viscoplastic fluids from strongly eccentric horizontal annuli. Physics of Fluids, 2020, 32, .	1.6	8
128	Density-stable displacement flow of immiscible fluids in inclined pipes. Physical Review Fluids, 2019, 4, .	1.0	8
129	Solidification of aluminium spray-formed billets. Journal of Engineering Mathematics, 1997, 31, 411-437.	0.6	7
130	Herschel-Bulkley diffusion filtering: non-Newtonian fluid mechanics in image processing. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2006, 86, 474-494.	0.9	7
131	A model for foamed cementing of oil and gas wells. Journal of Engineering Mathematics, 2018, 113, 93-121.	0.6	7
132	Dean flow of a Bingham fluid in a curved rectangular duct. Journal of Non-Newtonian Fluid Mechanics, 2020, 286, 104440.	1.0	7
133	Flow onset for a single bubble in a yield-stress fluid. Journal of Fluid Mechanics, 2022, 933, .	1.4	7
134	Slumping Flows in Narrow Eccentric Annuli: Design of Chemical Packers and Cementing of Subsurface Gas Pipelines. Transport in Porous Media, 2010, 83, 29-53.	1.2	6
135	The critical wall velocity for stabilization of plane Couetteâ€“Poiseuille flow of viscoelastic fluids. Journal of Non-Newtonian Fluid Mechanics, 2010, 165, 441-447.	1.0	6
136	The stability of spiral Poiseuille flows of Newtonian and Bingham fluids in an annular gap. Journal of Non-Newtonian Fluid Mechanics, 2013, 193, 3-10.	1.0	6
137	Flow development and interface sculpting in stable lubricated pipeline transport. Journal of Non-Newtonian Fluid Mechanics, 2018, 261, 60-80.	1.0	6
138	Rapid classification of primary cementing flows. Chemical Engineering Science, 2020, 219, 115506.	1.9	6
139	Clouds of bubbles in a viscoplastic fluid. Journal of Fluid Mechanics, 2021, 927, .	1.4	6
140	Squeeze cementing: Invasion of a yield stress suspension into a pore. Journal of Non-Newtonian Fluid Mechanics, 2021, 298, 104681.	1.0	6
141	Cementing Horizontal Wells: Complete Zonal Isolation Without Casing Rotation. , 2008, , .		5
142	Nonlinear stability of the Bingham Rayleighâ€“BÃ©nard Poiseuille flow. Journal of Non-Newtonian Fluid Mechanics, 2009, 158, 127-131.	1.0	5
143	Inertial effects in triple-layer core-annular pipeline flow. Physics of Fluids, 2019, 31, 103102.	1.6	5
144	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

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145	Rheology of wormlike micellar gels formed by long-chained zwitterionic surfactants. Journal of Rheology, 2021, 65, 1065-1080.	1.3	5
146	Triple-layer configuration for stable high-speed lubricated pipeline transport. Physical Review Fluids, 2017, 2, .	1.0	5
147	A Comprehensive Study on Intermittent Operation of Horizontal Deep Borehole Heat Exchangers. Energies, 2022, 15, 307.	1.6	5
148	Displacement flows in eccentric annuli with a rotating inner cylinder. Physics of Fluids, 2022, 34, .	1.6	5
149	A Semianalytical Thermal Stress Model for the Czochralski Growth of Type III-V Compounds. SIAM Journal on Applied Mathematics, 2006, 66, 1533-1562.	0.8	4
150	Rheology and flow studies of drag-reducing gravel packing fluids. Rheologica Acta, 2017, 56, 905-914.	1.1	4
151	Tracking fluid interfaces in primary cementing of surface casing. Physics of Fluids, 2018, 30, 093104.	1.6	4
152	Onset of flow in a vibrated thin viscoplastic layer. Journal of Non-Newtonian Fluid Mechanics, 2019, 266, 95-101.	1.0	4
153	Gravel packing: How does it work?. Physics of Fluids, 2020, 32, 053308.	1.6	4
154	Comment on â€œBejan's flow visualization of buoyancy-driven flow of a hydromagnetic Casson fluid from an isothermal wavy surfaceâ€•[Phys. Fluids 33(9), 093113 (2021)]. Physics of Fluids, 2021, 33, 129101.	1.6	4
155	Turbulent displacement flows of viscoplastic fluids in obstructed eccentric annuli: Experiments. Physics of Fluids, 2022, 34, .	1.6	4
156	Predicting Transition to Turbulence in Well Construction Flows. , 2003, , .		3
157	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
158	Viscoplastic Fluids from Theory to Application: 10 Years On. Journal of Non-Newtonian Fluid Mechanics, 2016, 238, 1-5.	1.0	3
159	Invasion of fluids into a gelled fluid column: Yield stress effects. Journal of Non-Newtonian Fluid Mechanics, 2016, 238, 212-223.	1.0	3
160	Stable core-annular horizontal flows in inaccessible domains via a triple-layer configuration. Chemical Engineering Science: X, 2019, 3, 100028.	1.5	3
161	Laminar Displacement Flows in Vertical Eccentric Annuli: Experiments and Simulations. , 2019, , .		3
162	Using Lightweight or Low Viscosity Preflushes for Primary Cementing of Surface Casing. , 2018, , .		3

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163	Solidification of aluminium spray-formed billets. Journal of Engineering Mathematics, 1996, 30, 417-443.	0.6	2
164	High Penetration Rates: Hazards and Well Control - A Case Study. , 1997, , .		2
165	Displacement Efficiency for Primary Cementing of Washout Sections in Highly Deviated Wells. , 2018, , .		2
166	SlurryNet: Predicting Critical Velocities and Frictional Pressure Drops in Oilfield Suspension Flows. Energies, 2021, 14, 1263.	1.6	2
167	Bubbles rising through a layer of Carbopol capped with water. Journal of Non-Newtonian Fluid Mechanics, 2022, 300, 104700.	1.0	2
168	Stability of flows with the BMP model in the yield stress limit. Korea Australia Rheology Journal, 2019, 31, 211-228.	0.7	1
169	Stability of yield stress fluid flows, Part 1. , 2022, 2, 100016.		1
170	Visco-plastic Fluids: From Theory to Application. Applied Rheology, 2008, 18, 48-50.	3.5	0
171	V.M. Entov, 1937â€“2008. Journal of Non-Newtonian Fluid Mechanics, 2009, 158, 4-5.	1.0	0
172	Experimental Studies of Visco-Elastic Flow Using Visco-Plastic Lubricant. , 2010, , .		0
173	An oscillatory flow phenomenon in microtube flows of thermally responsive fluids. Journal of Engineering Mathematics, 2011, 71, 31-53.	0.6	0
174	Tracking Fluid Interface in Carbon Capture and Storage Cement Placement Application. , 2018, , .		0
175	Three dimensional simulation of flow development of triple-layer lubricated pipeline transport. Journal of Non-Newtonian Fluid Mechanics, 2019, 274, 104201.	1.0	0
176	Bubble Suspension In Yield-Stress Fluids. , 0, , .		0
177	Spray-forming Aluminium Billets. , 1996, , 389-396.		0
178	Plug and Abandonment Environment in British Columbia. , 2019, , .		0
179	Stable Triple-Layer Lubricated Pipeline Flow. , 2020, , .		0