

# Herbert E Huppert

## List of Publications by Citations

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152  
papers

9,026  
citations

51  
h-index

92  
g-index

160  
ext. papers

10,017  
ext. citations

10.1  
avg, IF

6.19  
L-index

#	Paper	IF	Citations
152	The propagation of two-dimensional and axisymmetric viscous gravity currents over a rigid horizontal surface. <i>Journal of Fluid Mechanics</i> , <b>1982</b> , 121, 43	3.7	615
151	The slumping of gravity currents. <i>Journal of Fluid Mechanics</i> , <b>1980</b> , 99, 785-799	3.7	423
150	Flow and instability of a viscous current down a slope. <i>Nature</i> , <b>1982</b> , 300, 427-429	50.4	414
149	Double-diffusive convection. <i>Journal of Fluid Mechanics</i> , <b>1981</b> , 106, 299	3.7	380
148	Particle-driven gravity currents. <i>Journal of Fluid Mechanics</i> , <b>1993</b> , 250, 339-369	3.7	256
147	Axisymmetric collapses of granular columns. <i>Journal of Fluid Mechanics</i> , <b>2004</b> , 508, 175-199	3.7	241
146	Emplacement and cooling of komatiite lavas. <i>Nature</i> , <b>1984</b> , 309, 19-22	50.4	225
145	Convective dissolution of carbon dioxide in saline aquifers. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	216
144	Gravity-driven flows in porous layers. <i>Journal of Fluid Mechanics</i> , <b>1995</b> , 292, 55-69	3.7	202
143	The fluid mechanics of solidification. <i>Journal of Fluid Mechanics</i> , <b>1990</b> , 212, 209	3.7	193
142	The Fluid Mechanics of Carbon Dioxide Sequestration. <i>Annual Review of Fluid Mechanics</i> , <b>2014</b> , 46, 255-272		185
141	Effects of volatiles on mixing in calc-alkaline magma systems. <i>Nature</i> , <b>1982</b> , 297, 554-557	50.4	174
140	Thermal control of basaltic fissure eruptions. <i>Nature</i> , <b>1989</b> , 342, 665-667	50.4	170
139	Ice blocks melting into a salinity gradient. <i>Journal of Fluid Mechanics</i> , <b>1980</b> , 100, 367	3.7	164
138	The role of volatiles in magma chamber dynamics. <i>Nature</i> , <b>2002</b> , 420, 493-5	50.4	162
137	Dynamic solidification of a binary melt. <i>Nature</i> , <b>1985</b> , 314, 703-707	50.4	156
136	Density changes during the fractional crystallization of basaltic magmas: fluid dynamic implications. <i>Contributions To Mineralogy and Petrology</i> , <b>1984</b> , 85, 300-309	3.5	154

135	Entrainment into two-dimensional and axisymmetric turbulent gravity currents. <i>Journal of Fluid Mechanics</i> , <b>1996</b> , 308, 289-311	3.7	152
134	Nonlinear double-diffusive convection. <i>Journal of Fluid Mechanics</i> , <b>1976</b> , 78, 821	3.7	152
133	Gravity currents: a personal perspective. <i>Journal of Fluid Mechanics</i> , <b>2006</b> , 554, 299	3.7	142
132	On lava dome growth, with application to the 1979 lava extrusion of the soufrière of St. Vincent. <i>Journal of Volcanology and Geothermal Research</i> , <b>1982</b> , 14, 199-222	2.8	141
131	Natural convection during solidification of an alloy from above with application to the evolution of sea ice. <i>Journal of Fluid Mechanics</i> , <b>1997</b> , 344, 291-316	3.7	137
130	On heating a stable salinity gradient from below. <i>Journal of Fluid Mechanics</i> , <b>1979</b> , 95, 431	3.7	133
129	Some remarks on the initiation of inertial Taylor columns. <i>Journal of Fluid Mechanics</i> , <b>1975</b> , 67, 397-412	3.7	122
128	Axisymmetric particle-driven gravity currents. <i>Journal of Fluid Mechanics</i> , <b>1995</b> , 294, 93-121	3.7	119
127	Analytical model for solidification of the Earth's core. <i>Nature</i> , <b>1992</b> , 356, 329-331	50.4	109
126	The intrusion of fluid mechanics into geology. <i>Journal of Fluid Mechanics</i> , <b>1986</b> , 173, 557-594	3.7	107
125	Axisymmetric gravity currents in a porous medium. <i>Journal of Fluid Mechanics</i> , <b>2005</b> , 543, 293	3.7	103
124	Emplacement of the Taupo ignimbrite by a dilute turbulent flow. <i>Nature</i> , <b>1996</b> , 381, 509-512	50.4	100
123	Melting the roof of a chamber containing a hot, turbulently convecting fluid. <i>Journal of Fluid Mechanics</i> , <b>1988</b> , 188, 107-131	3.7	84
122	On melting icebergs. <i>Nature</i> , <b>1978</b> , 271, 46-48	50.4	84
121	Restrictions on the compositions of mid-ocean ridge basalts: a fluid dynamical investigation. <i>Nature</i> , <b>1980</b> , 286, 46-48	50.4	80
120	Entrainment in turbulent gravity currents. <i>Nature</i> , <b>1993</b> , 362, 829-831	50.4	79
119	Extreme natural hazards: population growth, globalization and environmental change. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2006</b> , 364, 1875-88	3	78
118	Gravity currents in a porous medium at an inclined plane. <i>Journal of Fluid Mechanics</i> , <b>2006</b> , 555, 353	3.7	74

117	Two-dimensional viscous gravity currents flowing over a deep porous medium. <i>Journal of Fluid Mechanics</i> , <b>2001</b> , 440, 359-380	3-7	74
116	Solidification of an alloy cooled from above Part 1. Equilibrium growth. <i>Journal of Fluid Mechanics</i> , <b>1990</b> , 216, 323-342	3-7	73
115	A box model for non-entraining, suspension-driven gravity surges on horizontal surfaces. <i>Sedimentology</i> , <b>1995</b> , 42, 453-470	3-3	69
114	Spreading and convective dissolution of carbon dioxide in vertically confined, horizontal aquifers. <i>Water Resources Research</i> , <b>2012</b> , 48,	5-4	65
113	Origin of modal and rhythmic igneous layering by sedimentation in a convecting magma chamber. <i>Nature</i> , <b>1993</b> , 361, 246-249	50-4	65
112	Sedimentation of particles from a convecting fluid. <i>Nature</i> , <b>1990</b> , 343, 447-450	50-4	65
111	Time-dependent density profiles in a filling box. <i>Journal of Fluid Mechanics</i> , <b>1983</b> , 132, 457-466	3-7	64
110	Two-phase gravity currents in porous media. <i>Journal of Fluid Mechanics</i> , <b>2011</b> , 678, 248-270	3-7	63
109	Disequilibrium and macrosegregation during solidification of a binary melt. <i>Nature</i> , <b>1989</b> , 340, 357-362	50-4	63
108	Effects of external flow on compositional and particle gravity currents. <i>Journal of Fluid Mechanics</i> , <b>1998</b> , 359, 109-142	3-7	61
107	Erosion by planar turbulent wall jets. <i>Journal of Fluid Mechanics</i> , <b>1997</b> , 338, 317-340	3-7	60
106	Bi-directional flows in constrained systems. <i>Journal of Fluid Mechanics</i> , <b>2007</b> , 578, 95-112	3-7	59
105	Abrupt transitions in high-concentration, particle-driven gravity currents. <i>Physics of Fluids</i> , <b>1998</b> , 10, 1083-1087	4-4	57
104	the phase evolution of Young Sea Ice. <i>Geophysical Research Letters</i> , <b>1997</b> , 24, 1251-1254	4-9	55
103	On gravity currents propagating at the base of a stratified ambient. <i>Journal of Fluid Mechanics</i> , <b>2002</b> , 458, 283-301	3-7	54
102	Gravity currents entering a two-layer fluid. <i>Journal of Fluid Mechanics</i> , <b>1980</b> , 100, 739-767	3-7	53
101	Granular column collapses: further experimental results. <i>Journal of Fluid Mechanics</i> , <b>2007</b> , 575, 177-186	3-7	51
100	Axisymmetric gravity currents in a rotating system: experimental and numerical investigations. <i>Journal of Fluid Mechanics</i> , <b>2001</b> , 447, 1-29	3-7	50

99	Flow and instability of thin films on a cylinder and sphere. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 647, 221-238	3.7	49
98	Solidification of an alloy cooled from above Part 2. Non-equilibrium interfacial kinetics. <i>Journal of Fluid Mechanics</i> , <b>1990</b> , 217, 331-348	3.7	49
97	Steady-state solidification of aqueous ammonium chloride. <i>Journal of Fluid Mechanics</i> , <b>2008</b> , 599, 465-476	3.7	48
96	Modelling carbon dioxide sequestration in layered strata. <i>Journal of Fluid Mechanics</i> , <b>2009</b> , 625, 353-370	3.7	47
95	Sedimentation and entrainment in dense layers of suspended particles stirred by an oscillating grid. <i>Journal of Fluid Mechanics</i> , <b>1995</b> , 289, 263-293	3.7	46
94	Convection and particle entrainment driven by differential sedimentation. <i>Journal of Fluid Mechanics</i> , <b>1991</b> , 226, 349-369	3.7	46
93	Granular column collapses down rough, inclined channels. <i>Journal of Fluid Mechanics</i> , <b>2011</b> , 675, 347-368	3.7	45
92	The effects of rotation on axisymmetric gravity currents. <i>Journal of Fluid Mechanics</i> , <b>1998</b> , 362, 17-51	3.7	43
91	Polydisperse particle-driven gravity currents. <i>Journal of Fluid Mechanics</i> , <b>2002</b> , 472, 333-371	3.7	41
90	Magnetic resonance imaging of structure and convection in solidifying mushy layers. <i>Journal of Fluid Mechanics</i> , <b>2006</b> , 552, 99	3.7	38
89	Bending of elastic fibres in viscous flows: the influence of confinement □ <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 720, 517-544	3.7	37
88	Fluid injection into a confined porous layer. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 745, 592-620	3.7	35
87	The effect of a fissure on storage in a porous medium. <i>Journal of Fluid Mechanics</i> , <b>2009</b> , 639, 239-259	3.7	35
86	The effects of capillary forces on the axisymmetric propagation of two-phase, constant-flux gravity currents in porous media. <i>Physics of Fluids</i> , <b>2013</b> , 25, 036602	4.4	33
85	Steady-state mushy layers: experiments and theory. <i>Journal of Fluid Mechanics</i> , <b>2007</b> , 570, 69-77	3.7	32
84	The fluid dynamics of crustal melting by injection of basaltic sills. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , <b>1988</b> , 79, 237-243	0.9	32
83	On gravity currents driven by constant fluxes of saline and particle-laden fluid in the presence of a uniform flow. <i>Journal of Fluid Mechanics</i> , <b>2005</b> , 539, 349	3.7	30
82	Diffusion-controlled solidification of a ternary melt from a cooled boundary. <i>Journal of Fluid Mechanics</i> , <b>2001</b> , 432, 201-217	3.7	30

81	Fluid drainage from the edge of a porous reservoir. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 718, 558-568	3.7	29
80	Phase changes following the initiation of a hot turbulent flow over a cold solid surface. <i>Journal of Fluid Mechanics</i> , <b>1989</b> , 198, 293	3.7	28
79	Solidification of an alloy cooled from above. Part 3. Compositional stratification within the solid. <i>Journal of Fluid Mechanics</i> , <b>1990</b> , 218, 337	3.7	28
78	High-Reynolds-number gravity currents over a porous boundary: shallow-water solutions and box-model approximations. <i>Journal of Fluid Mechanics</i> , <b>2000</b> , 418, 1-23	3.7	27
77	Leakage from gravity currents in a porous medium. Part 1. A localized sink. <i>Journal of Fluid Mechanics</i> , <b>2011</b> , 666, 391-413	3.7	26
76	Dynamics of viscous grounding lines. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 648, 363-380	3.7	26
75	Reversing buoyancy of particle-driven gravity currents. <i>Physics of Fluids</i> , <b>1999</b> , 11, 2891-2900	4.4	26
74	The effect of confining boundaries on viscous gravity currents. <i>Journal of Fluid Mechanics</i> , <b>2007</b> , 577, 495-505	3.7	25
73	On gravity currents propagating at the base of a stratified ambient: effects of geometrical constraints and rotation. <i>Journal of Fluid Mechanics</i> , <b>2004</b> , 521, 69-104	3.7	24
72	On Howard's technique for perturbing neutral solutions of the Taylor-Goldstein equation. <i>Journal of Fluid Mechanics</i> , <b>1973</b> , 57, 361	3.7	23
71	Modelling intrusions through quiescent and moving ambients. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 771, 370-406	3.7	21
70	Energy balances for propagating gravity currents: homogeneous and stratified ambients. <i>Journal of Fluid Mechanics</i> , <b>2006</b> , 565, 363	3.7	21
69	Mixing of an interflow into the ambient water of Lake Iseo. <i>Limnology and Oceanography</i> , <b>2013</b> , 58, 579-592	4.4	20
68	Leakage from gravity currents in a porous medium. Part 2. A line sink. <i>Journal of Fluid Mechanics</i> , <b>2011</b> , 666, 414-427	3.7	20
67	The effect of confining impermeable boundaries on gravity currents in a porous medium. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 649, 1-17	3.7	20
66	Capillary pinning and blunting of immiscible gravity currents in porous media. <i>Water Resources Research</i> , <b>2014</b> , 50, 7067-7081	5.4	19
65	On the hydrodynamic interaction between a particle and a permeable surface. <i>Physics of Fluids</i> , <b>2013</b> , 25, 073103	4.4	19
64	The effect of side walls on homogeneous rotating flow over two-dimensional obstacles. <i>Journal of Fluid Mechanics</i> , <b>1974</b> , 62, 417	3.7	19

63	Transitions in double-diffusive convection. <i>Nature</i> , <b>1976</b> , 263, 20-22	50.4	19
62	Solidification and compositional convection of a ternary alloy. <i>Journal of Fluid Mechanics</i> , <b>2003</b> , 497, 167-199	3.7	18
61	The growth of compositionally stratified solid above a horizontal boundary. <i>Journal of Fluid Mechanics</i> , <b>1989</b> , 199, 29-53	3.7	18
60	The Physical Processes involved in the Melting of Icebergs (Invited paper). <i>Annals of Glaciology</i> , <b>1980</b> , 1, 97-101	2.5	18
59	Particulate gravity currents along V-shaped valleys. <i>Journal of Fluid Mechanics</i> , <b>2009</b> , 631, 419-440	3.7	17
58	Viscous gravity currents inside confining channels and fractures. <i>Physics of Fluids</i> , <b>2008</b> , 20, 023104	4.4	16
57	Dissolution-driven convection in a reactive porous medium. <i>Journal of Fluid Mechanics</i> , <b>2005</b> , 535, 255-285	3.7	16
56	The competition between gravity and flow focusing in two-layered porous media. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 720, 5-14	3.7	15
55	The waterlogging of floating objects. <i>Journal of Fluid Mechanics</i> , <b>2007</b> , 585, 245-254	3.7	14
54	Elastic Relaxation of Fluid-Driven Cracks and the Resulting Backflow. <i>Physical Review Letters</i> , <b>2016</b> , 117, 268001	7.4	14
53	Solidification and convection of a ternary solution cooled from the side. <i>Journal of Fluid Mechanics</i> , <b>2003</b> , 489, 269-299	3.7	13
52	Natural Disasters: Explosive Volcanic Eruptions and Gigantic Landslides. <i>Theoretical and Computational Fluid Dynamics</i> , <b>1998</b> , 10, 201-212	2.3	12
51	Inclined gravity currents filling basins: the impact of peeling detrainment on transport and vertical structure. <i>Journal of Fluid Mechanics</i> , <b>2017</b> , 820, 400-423	3.7	11
50	Self-similar solutions of the axisymmetric shallow-water equations governing converging inviscid gravity currents. <i>Journal of Fluid Mechanics</i> , <b>2004</b> , 506, 331-355	3.7	11
49	Emplacement of Taupo ignimbrite. <i>Nature</i> , <b>1997</b> , 385, 307-308	50.4	10
48	The growth and structure of double-diffusive cells adjacent to a cooled sidewall in a salt-stratified environment. <i>Journal of Fluid Mechanics</i> , <b>2004</b> , 518, 347-362	3.7	10
47	On inwardly propagating high-Reynolds-number axisymmetric gravity currents. <i>Journal of Fluid Mechanics</i> , <b>2003</b> , 494, 255-274	3.7	10
46	A mathematical framework for the analysis of particle-driven gravity currents. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2001</b> , 457, 1241-1272	2.4	10

45	Gravity currents from a line source in an ambient flow. <i>Journal of Fluid Mechanics</i> , <b>2008</b> , 606, 1-26	3.7	9
44	Numerical modelling of convection in a reactive porous medium with a mobile mush-liquid interface. <i>Journal of Fluid Mechanics</i> , <b>2006</b> , 549, 99	3.7	9
43	Compressible particle-driven gravity currents. <i>Journal of Fluid Mechanics</i> , <b>2001</b> , 445, 305-325	3.7	9
42	Experimental exploration of fluid-driven cracks in brittle hydrogels. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 844, 435-458	3.7	8
41	Fluid migration between confined aquifers. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 757, 330-353	3.7	8
40	Surface curvature of steady granular flows. <i>Granular Matter</i> , <b>2012</b> , 14, 229-234	2.6	8
39	Axisymmetric, constantly supplied gravity currents at high Reynolds number. <i>Journal of Fluid Mechanics</i> , <b>2011</b> , 675, 540-551	3.7	8
38	Effects of particle sedimentation and rotation on axisymmetric gravity currents. <i>Physics of Fluids</i> , <b>2001</b> , 13, 3687-3698	4.4	8
37	Dynamics of viscous backflow from a model fracture network. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 836, 828-849	3.7	8
36	Topographic controls on gravity currents in porous media. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 734, 317-337	3.7	7
35	Energy balances for axisymmetric gravity currents in homogeneous and linearly stratified ambients. <i>Journal of Fluid Mechanics</i> , <b>2008</b> , 616, 303-326	3.7	7
34	Solidification of a binary alloy of variable viscosity from a vertical boundary. <i>Journal of Fluid Mechanics</i> , <b>1995</b> , 303, 103-132	3.7	7
33	Ageostrophic effects in rotating stratified flow. <i>Journal of Fluid Mechanics</i> , <b>1974</b> , 62, 369-385	3.7	7
32	Stokes drift in coral reefs with depth-varying permeability. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2020</b> , 378, 20190531	3	7
31	Similarity solutions and viscous gravity current adjustment times. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 874, 285-298	3.7	6
30	Carbon: no silver bullet. <i>Science</i> , <b>2014</b> , 345, 1130	3.3	6
29	Inclined gravity currents filling basins: The influence of Reynolds number on entrainment into gravity currents. <i>Physics of Fluids</i> , <b>2015</b> , 27, 096602	4.4	6
28	Spreading and deposition of particulate matter in uniform flows. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , <b>2001</b> , 39, 505-518	1.9	6



27	Contaminated komatiites (reply). <i>Nature</i> , <b>1985</b> , 313, 247-248	50.4	6
26	Interaction of viscous free-surface flows with topography. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 876, 912-938	3.7	5
25	Crystallization and layering induced by heating a reactive porous medium. <i>Geophysical Research Letters</i> , <b>2004</b> , 31, n/a-n/a	4.9	5
24	The relaxation time for viscous and porous gravity currents following a change in flux. <i>Journal of Fluid Mechanics</i> , <b>2017</b> , 821, 330-342	3.7	4
23	Shallow free-surface Stokes flow around a corner. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2020</b> , 378, 20190515	3	4
22	Deposition morphology of granular column collapses. <i>Granular Matter</i> , <b>2021</b> , 23, 1	2.6	4
21	Stratified gravity currents in porous media. <i>Journal of Fluid Mechanics</i> , <b>2016</b> , 791, 329-357	3.7	4
20	Backflow from a model fracture network: an asymptotic investigation. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 864, 899-924	3.7	4
19	Stokes drift through corals. <i>Environmental Fluid Mechanics</i> , <b>2021</b> , 21, 1119-1135	2.2	4
18	Two-phase gravity currents resulting from the release of a fixed volume of fluid in a porous medium. <i>Journal of Fluid Mechanics</i> , <b>2017</b> , 832, 550-577	3.7	3
17	Maximal liquid bridges between horizontal cylinders. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2016</b> , 472, 20160233	2.4	3
16	A note on the Howard-Malkus-Whitehead floating heat sources. <i>Geophysical Fluid Dynamics</i> , <b>1971</b> , 2, 317-322		3
15	Compressible vapour flow in conduits and fractures. <i>Journal of Fluid Mechanics</i> , <b>2016</b> , 802, 750-759	3.7	3
14	Flow of buoyant granular materials along a free surface. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 848, 312-339	3.7	2
13	Instability of a gravity current within a soap film. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 753,	3.7	2
12	GEORGE KEITH BATCHELOR 8 March 1920–30 March 2000 Founding Editor, <i>Journal of Fluid Mechanics</i> , 1956. <i>Journal of Fluid Mechanics</i> , <b>2000</b> , 421, 1-14	3.7	2
11	Spreading or contraction of viscous drops between plates: single, multiple or annular drops. <i>Journal of Fluid Mechanics</i> , <b>2021</b> , 925,	3.7	2
10	Stokes at 200: a celebration of the remarkable achievements of Sir George Gabriel Stokes two hundred years after his birth. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2020</b> , 378, 20190505	3	1

9	Time to Approach Similarity. <i>Quarterly Journal of Mechanics and Applied Mathematics</i> , <b>2019</b> ,	1	1
8	Fluid invasion of an unsaturated leaky porous layer. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 777, 97-121	3.7	1
7	Finite-Size Analysis of the Collapse of Dry Granular Columns. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL096054	4.9	1
6	Two-phase gravity currents in porous media		1
5	Experimental Insights on the Propagation of Fine-Grained Geophysical Flows Entering Water. <i>Journal of Geophysical Research: Oceans</i> , <b>2021</b> , 126, e2020JC016838	3.3	1
4	Symmetric coalescence of two hydraulic fractures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 10228-10232	11.5	1
3	Stokes, Tyndall, Ruskin and the nineteenth-century beginnings of climate science. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2020</b> , 378, 20200064	3	
2	Stokes at 200 (part 2). <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2020</b> , 378, 20200160	3	
1	Dense Suspension Flow in a Penny-Shaped Crack, Part I : Theory. <i>Journal of the Mechanics and Physics of Solids</i> , <b>2021</b> , 152, 104417	5	