

Gunnar G Peng

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

298
citations

1163117

8
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

179
citing authors

#	ARTICLE	IF	CITATIONS
1	Trapping and escape of viscous fingers in a soft Hele-Shaw cell. <i>Physical Review Fluids</i> , 2022, 7, .	2.5	3
2	Viscous backflow from a model fracture network: influence of a permeable boundary. <i>Journal of Fluid Mechanics</i> , 2021, 911, .	3.4	1
3	Theory for the coalescence of viscous lenses. <i>Journal of Fluid Mechanics</i> , 2021, 928, .	3.4	1
4	Start-up flow in shallow deformable microchannels. <i>Journal of Fluid Mechanics</i> , 2020, 885, .	3.4	19
5	Buoyancy-driven plumes in a layered porous medium. <i>Journal of Fluid Mechanics</i> , 2020, 883, .	3.4	6
6	Flow-induced choking of a compliant Hele-Shaw cell. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 30228-30233.	7.1	8
7	Viscous flow under an elastic sheet. <i>Journal of Fluid Mechanics</i> , 2020, 905, .	3.4	16
8	Backflow from a model fracture network: an asymptotic investigation. <i>Journal of Fluid Mechanics</i> , 2019, 864, 899-924.	3.4	7
9	Viscous-fingering mechanisms under a peeling elastic sheet. <i>Journal of Fluid Mechanics</i> , 2019, 864, 1177-1207.	3.4	3
10	Dynamics of viscous backflow from a model fracture network. <i>Journal of Fluid Mechanics</i> , 2018, 836, 828-849.	3.4	16
11	Viscous fingering in a radial elastic-walled Hele-Shaw cell. <i>Journal of Fluid Mechanics</i> , 2018, 849, 163-191.	3.4	53
12	Displacement flows under elastic membranes. Part 2. Analysis of interfacial effects. <i>Journal of Fluid Mechanics</i> , 2015, 784, 512-547.	3.4	35
13	Displacement flows under elastic membranes. Part 1. Experiments and direct numerical simulations. <i>Journal of Fluid Mechanics</i> , 2015, 784, 487-511.	3.4	34
14	The initial transient and approach to self-similarity of a very viscous buoyant thermal. <i>Journal of Fluid Mechanics</i> , 2014, 744, 352-375.	3.4	3
15	Viscous Control of Peeling an Elastic Sheet by Bending and Pulling. <i>Physical Review Letters</i> , 2013, 111, 154501.	7.8	93