

Katarzyna N Kowal

List of Publications by Year in descending order

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1478505

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#	ARTICLE	IF	CITATIONS
1	Lubricated viscous gravity currents of power-law fluids. Part 2. Stability analysis. Journal of Fluid Mechanics, 2022, 940, .	3.4	3
2	Lubricated viscous gravity currents of power-law fluids. Part 1. Self-similar flow regimes. Journal of Fluid Mechanics, 2022, 940, .	3.4	4
3	Viscous banding instabilities: non-porous viscous fingering. Journal of Fluid Mechanics, 2021, 926, .	3.4	5
4	The formation of grounding zone wedges: theory and experiments. Journal of Fluid Mechanics, 2020, 898, .	3.4	6
5	Surface deformations in dynamic thermocapillary convection under partial slip. Physical Review E, 2019, 100, 022802.	2.1	2
6	Stability of lubricated viscous gravity currents. Part 1. Internal and frontal analyses and stabilisation by horizontal shear. Journal of Fluid Mechanics, 2019, 871, 970-1006.	3.4	11
7	Stability of lubricated viscous gravity currents. Part 2. Global analysis and stabilisation by buoyancy forces. Journal of Fluid Mechanics, 2019, 871, 1007-1027.	3.4	11
8	Strong shear-flow modulation of instabilities in rapid directional solidification. Acta Materialia, 2019, 164, 464-472.	7.9	3
9	Thermocapillary instabilities in a horizontal liquid layer under partial basal slip. Journal of Fluid Mechanics, 2018, 855, 839-859.	3.4	17
10	Strongly nonlinear theory of rapid solidification near absolute stability. Physical Review E, 2017, 96, 042801.	2.1	2
11	Instabilities in rapid directional solidification under weak flow. Physical Review E, 2017, 96, 062802.	2.1	3
12	Dynamics of laterally confined marine ice sheets. Journal of Fluid Mechanics, 2016, 790, .	3.4	10
13	Lubricated viscous gravity currents. Journal of Fluid Mechanics, 2015, 766, 626-655.	3.4	18
14	Lateral controls on grounding-line dynamics. Journal of Fluid Mechanics, 2013, 722, .	3.4	23