

# Katarzyna N Kowal

## List of Publications by Year in descending order

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14  
papers

118  
citations

1478505

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1281871

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g-index

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docs citations

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times ranked

69  
citing authors

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