

# Oliver S Kerr

## List of Publications by Year in descending order

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25  
papers

251  
citations

1307594

7  
h-index

940533

16  
g-index

25  
all docs

25  
docs citations

25  
times ranked

161  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oceanic thermohaline intrusions: theory. <i>Progress in Oceanography</i> , 2003, 56, 483-497.	3.2	48
2	Periodic steady vortices in a stagnation-point flow. <i>Journal of Fluid Mechanics</i> , 1994, 276, 307-325.	3.4	42
3	Heating a salinity gradient from a vertical sidewall: linear theory. <i>Journal of Fluid Mechanics</i> , 1989, 207, 323-352.	3.4	34
4	Heating a salinity gradient from a vertical sidewall: nonlinear theory. <i>Journal of Fluid Mechanics</i> , 1990, 217, 529-546.	3.4	27
5	Double-diffusive instabilities in a vertical slot. <i>Journal of Fluid Mechanics</i> , 1999, 392, 213-232.	3.4	15
6	The effect of rotation on double-diffusive interleaving. <i>Journal of Fluid Mechanics</i> , 1986, 162, 23.	3.4	13
7	Two-dimensional instabilities of steady double-diffusive interleaving. <i>Journal of Fluid Mechanics</i> , 1992, 242, 99-116.	3.4	13
8	Three-dimensional instabilities of steady double-diffusive interleaving. <i>Journal of Fluid Mechanics</i> , 2000, 418, 297-312.	3.4	8
9	The effect of rotation on double-diffusive convection in a laterally heated vertical slot. <i>Journal of Fluid Mechanics</i> , 1995, 301, 345-370.	3.4	7
10	Thermal instability in a time-dependent base state due to sudden heating. <i>Journal of Fluid Mechanics</i> , 2017, 825, 1002-1034.	3.4	7
11	The criteria for the onset of double-diffusive instabilities at a vertical boundary. <i>Physics of Fluids</i> , 2000, 12, 3289-3292.	4.0	6
12	The effect of a magnetic field on the flux of a contaminant dissolving into the crucible wall boundary layer in Czochralski crystal growth. <i>Journal of Crystal Growth</i> , 1989, 96, 915-932.	1.5	4
13	The effect of a weak vertical magnetic field on the buoyancy-driven boundary-layer flow past a vertical heated wall. <i>Journal of Fluid Mechanics</i> , 1989, 199, 217-236.	3.4	4
14	Comment on "Nonlinear eigenvalue problems". <i>Journal of Physics A: Mathematical and Theoretical</i> , 2014, 47, 368001.	2.1	4
15	Double-diffusive instabilities at a horizontal boundary after the sudden onset of heating. <i>Journal of Fluid Mechanics</i> , 2019, 859, 126-159.	3.4	4
16	Double-diffusive instabilities at a vertical sidewall after the sudden onset of heating. <i>Journal of Fluid Mechanics</i> , 2021, 909, .	3.4	4
17	On the merging of double-diffusive convection cells at a vertical boundary. <i>Physics of Fluids A, Fluid Dynamics</i> , 1992, 4, 2923-2926.	1.6	3
18	Oscillatory double-diffusive instabilities in a vertical slot. <i>Journal of Fluid Mechanics</i> , 2001, 426, 347-354.	3.4	3

#	ARTICLE	IF	CITATIONS
19	Periodic intrusions in a stratified fluid. <i>Journal of Fluid Mechanics</i> , 2007, 580, 467-480.	3.4	2
20	Flame Propagation Around Stretched Periodic Vortices Investigated Using Ray-Tracing. <i>Combustion Science and Technology</i> , 1996, 118, 101-125.	2.3	1
21	The effect of vibrations on sideways double-diffusive instabilities: strong stratification asymptotics. <i>Journal of Fluid Mechanics</i> , 2006, 559, 299.	3.4	1
22	An exact solution in sedimentation under an inclined wall. <i>Physics of Fluids</i> , 2006, 18, 128101.	4.0	1
23	Low-gravity sideways double-diffusive instabilities: Small wave number asymptotics. <i>Physics of Fluids</i> , 2006, 18, 064105.	4.0	0
24	Double Diffusive Instabilities at a Vertical Boundary. <i>Geophysical Monograph Series</i> , 2013, , 105-113.	0.1	0
25	Modelling "What is it Good For? , 2016, , 69-105.		0