

# Janet D Scheel

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

645  
citations

933447

10  
h-index

1281871

11  
g-index

12  
all docs

12  
docs citations

12  
times ranked

472  
citing authors

#	ARTICLE	IF	CITATIONS
1	Supergranule aggregation for constant heat flux-driven turbulent convection. Physical Review Research, 2021, 3, .	3.6	20
2	Reply to He et al.: The dependence of heat transport law on aspect ratio is still unclear. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30024-30024.	7.1	0
3	Classical 1/3 scaling of convection holds up to $Ra = 10^{15}$ . Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7594-7598.	7.1	61
4	Turbulent superstructures in Rayleigh-Bénard convection. Nature Communications, 2018, 9, 2118.	12.8	134
5	Predicting transition ranges to fully turbulent viscous boundary layers in low Prandtl number convection flows. Physical Review Fluids, 2017, 2, .	2.5	51
6	Global and local statistics in turbulent convection at low Prandtl numbers. Journal of Fluid Mechanics, 2016, 802, 147-173.	3.4	69
7	Extreme dissipation event due to plume collision in a turbulent convection cell. Physical Review E, 2016, 94, 043104.	2.1	7
8	Transitional boundary layers in low-Prandtl-number convection. Physical Review Fluids, 2016, 1, .	2.5	35
9	Enhanced enstrophy generation for turbulent convection in low-Prandtl-number fluids. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9530-9535.	7.1	35
10	Local boundary layer scales in turbulent Rayleigh-Bénard convection. Journal of Fluid Mechanics, 2014, 758, 344-373.	3.4	58
11	Small-scale universality in fluid turbulence. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10961-10965.	7.1	92
12	Resolving the fine-scale structure in turbulent Rayleigh-Bénard convection. New Journal of Physics, 2013, 15, 113063.	2.9	83