

# Susanne Horn

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

436  
citations

758635

12  
h-index

1058022

14  
g-index

14  
all docs

14  
docs citations

14  
times ranked

232  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal convection in inclined cylindrical containers. <i>Journal of Fluid Mechanics</i> , 2016, 790, .	1.4	63
2	Jump rope vortex in liquid metal convection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12674-12679.	3.3	49
3	Regimes of Coriolis-Centrifugal Convection. <i>Physical Review Letters</i> , 2018, 120, 204502.	2.9	47
4	Connections between nonrotating, slowly rotating, and rapidly rotating turbulent convection transport scalings. <i>Physical Review Research</i> , 2020, 2, .	1.3	44
5	Boundary Zonal Flow in Rotating Turbulent Rayleigh-B�nard Convection. <i>Physical Review Letters</i> , 2020, 124, 084505.	2.9	42
6	Rotating thermal convection in liquid gallium: multi-modal flow, absent steady columns. <i>Journal of Fluid Mechanics</i> , 2018, 846, 846-876.	1.4	40
7	Prograde, retrograde, and oscillatory modes in rotating Rayleigh-B�nard convection. <i>Journal of Fluid Mechanics</i> , 2017, 831, 182-211.	1.4	37
8	Rotating convection with centrifugal buoyancy: Numerical predictions for laboratory experiments. <i>Physical Review Fluids</i> , 2019, 4, .	1.0	28
9	Oscillatory thermal-inertial flows in liquid metal rotating convection. <i>Journal of Fluid Mechanics</i> , 2021, 911, .	1.4	21
10	Thermoelectric precession in turbulent magnetoconvection. <i>Journal of Fluid Mechanics</i> , 2022, 930, .	1.4	18
11	Experimental pub crawl from Rayleigh-B�nard to magnetostrophic convection. <i>Journal of Fluid Mechanics</i> , 2022, 939, .	1.4	14
12	Jump rope vortex flow in liquid metal Rayleigh-B�nard convection in a cuboid container of aspect ratio. <i>Journal of Fluid Mechanics</i> , 2022, 932, .	1.4	14
13	Tornado-like vortices in the quasi-cyclostrophic regime of Coriolis-centrifugal convection. <i>Journal of Turbulence</i> , 2021, 22, 297-324.	0.5	11
14	Unravelling the large-scale circulation modes in turbulent Rayleigh-B�nard convection (a) </sup>. <i>Europhysics Letters</i> , 2021, 136, 14003.	0.7	8