

Rebecca J Lingwood

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,116
citations

516710

16
h-index

713466

21
g-index

23
all docs

23
docs citations

23
times ranked

462
citing authors

#	ARTICLE	IF	CITATIONS
1	Absolute instability of the boundary layer on a rotating disk. <i>Journal of Fluid Mechanics</i> , 1995, 299, 17-33.	3.4	292
2	An experimental study of absolute instability of the rotating-disk boundary-layer flow. <i>Journal of Fluid Mechanics</i> , 1996, 314, 373-405.	3.4	213
3	Absolute instability of the Ekman layer and related rotating flows. <i>Journal of Fluid Mechanics</i> , 1997, 331, 405-428.	3.4	135
4	The challenge of cancer control in Africa. <i>Nature Reviews Cancer</i> , 2008, 8, 398-403.	28.4	120
5	On the impulse response for swept boundary-layer flows. <i>Journal of Fluid Mechanics</i> , 1997, 344, 317-334.	3.4	52
6	On the laminar-turbulent transition of the rotating-disk flow: the role of absolute instability. <i>Journal of Fluid Mechanics</i> , 2014, 745, 132-163.	3.4	37
7	An experimental study of edge effects on rotating-disk transition. <i>Journal of Fluid Mechanics</i> , 2013, 716, 638-657.	3.4	33
8	The effects of surface mass flux on the instability of the BEK system of rotating boundary-layer flows. <i>European Journal of Mechanics, B/Fluids</i> , 2011, 30, 299-310.	2.5	24
9	Global linear instability of the rotating-disk flow investigated through simulations. <i>Journal of Fluid Mechanics</i> , 2015, 765, 612-631.	3.4	24
10	The role of Ekman pumping and the dominance of swirl in confined flows driven by Lorentz forces. <i>European Journal of Mechanics, B/Fluids</i> , 1999, 18, 693-711.	2.5	23
11	On the global nonlinear instability of the rotating-disk flow over a finite domain. <i>Journal of Fluid Mechanics</i> , 2016, 803, 332-355.	3.4	23
12	Experimental study of rotating-disk boundary-layer flow with surface roughness. <i>Journal of Fluid Mechanics</i> , 2016, 786, 5-28.	3.4	22
13	Transition to turbulence in the rotating-disk boundary-layer flow with stationary vortices. <i>Journal of Fluid Mechanics</i> , 2018, 836, 43-71.	3.4	21
14	Linear disturbances in the rotating-disk flow: A comparison between results from simulations, experiments and theory. <i>European Journal of Mechanics, B/Fluids</i> , 2016, 55, 170-181.	2.5	20
15	Turbulence in the rotating-disk boundary layer investigated through direct numerical simulations. <i>European Journal of Mechanics, B/Fluids</i> , 2018, 70, 6-18.	2.5	20
16	On the causal behaviour of flow over an elastic wall. <i>Journal of Fluid Mechanics</i> , 1999, 396, 319-344.	3.4	17
17	The turbulent rotating-disk boundary layer. <i>European Journal of Mechanics, B/Fluids</i> , 2014, 48, 245-253.	2.5	12
18	Turbulent boundary layers over flat plates and rotating disks—the legacy of von Kármán: A Stockholm perspective. <i>European Journal of Mechanics, B/Fluids</i> , 2013, 40, 17-29.	2.5	10

#	ARTICLE	IF	CITATIONS
19	Instability and transition in the boundary layer driven by a rotating slender cone. Journal of Fluid Mechanics, 2021, 915, .	3.4	9
20	On the application of en-methods to three-dimensional boundary-layer flows. European Journal of Mechanics, B/Fluids, 1999, 18, 581-620.	2.5	6
21	Hydrodynamics and Nonlinear Instabilities. Edited by C. GODRÅCHE & P. MANNEVILLE. Cambridge University Press, 1998. 681 pp. ISBN 0521 45503 0. £85.. Journal of Fluid Mechanics, 1999, 380, 377-378.	3.4	0