

Michael E McIntyre

List of Publications by Citations

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Version: 2024-04-25

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19
papers

2,663
citations

12
h-index

20
g-index

20
ext. papers

2,876
ext. citations

3.9
avg, IF

4.49
L-index

#	Paper	IF	Citations
19	Stratosphere-troposphere exchange. <i>Reviews of Geophysics</i> , 1995 , 33, 403	23.1	1835
18	How Well do we Understand the Dynamics of Stratospheric Warmings?. <i>Journal of the Meteorological Society of Japan</i> , 1982 , 60, 37-65	2.8	237
17	Wave capture and wave-vortex duality. <i>Journal of Fluid Mechanics</i> , 2005 , 534, 67-95	3.7	154
16	On potential energy density in an incompressible, stratified fluid. <i>Journal of Fluid Mechanics</i> , 1981 , 107, 221	3.7	95
15	On the non-separable baroclinic parallel flow instability problem. <i>Journal of Fluid Mechanics</i> , 1970 , 40, 273-306	3.7	65
14	On Long's hypothesis of no upstream influence in uniformly stratified or rotating flow. <i>Journal of Fluid Mechanics</i> , 1972 , 52, 209-243	3.7	62
13	Remote recoil: a new wave-mean interaction effect. <i>Journal of Fluid Mechanics</i> , 2003 , 492, 207-230	3.7	50
12	On non-dissipative wave-mean interactions in the atmosphere or oceans. <i>Journal of Fluid Mechanics</i> , 1998 , 354, 301-343	3.7	43
11	The axisymmetric convective regime for a rigidly bounded rotating annulus. <i>Journal of Fluid Mechanics</i> , 1968 , 32, 625-655	3.7	36
10	Mean motions and impulse of a guided internal gravity wave packet. <i>Journal of Fluid Mechanics</i> , 1973 , 60, 801-811	3.7	33
9	Jupiter's Unearthly Jets: A New Turbulent Model Exhibiting Statistical Steadiness without Large-Scale Dissipation*. <i>Journals of the Atmospheric Sciences</i> , 2016 , 73, 1119-1141	2.1	29
8	Polar confinement of the Sun's interior magnetic field by laminar magnetostrophic flow. <i>Journal of Fluid Mechanics</i> , 2011 , 677, 445-482	3.7	15
7	Lucidity and science I: Writing skills and the pattern perception hypothesis. <i>Interdisciplinary Science Reviews</i> , 1997 , 22, 199-216	0.7	4
6	On multi-level thinking and scientific understanding. <i>Advances in Atmospheric Sciences</i> , 2017 , 34, 1150-1158	0.7	2
5	Wave-vortex interactions, remote recoil, the Aharonov-Bohm effect and the Craik-Leibovich equation. <i>Journal of Fluid Mechanics</i> , 2019 , 881, 182-217	3.7	1
4	Lucidity and science II: From acausality illusions and free will to final theories, mathematics, and music. <i>Interdisciplinary Science Reviews</i> , 1997 , 22, 285-303	0.7	1
3	Lucidity and science III: Hypercredulity, quantum mechanics, and scientific truth. <i>Interdisciplinary Science Reviews</i> , 1998 , 23, 29-70	0.7	0

2 Climate Uncertainties: A Personal View. *Meteorology*, **2022**, 1, 162-170

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1 Wave-vortex interactions and effective mean forces: three basic problems. *Geophysical and Astrophysical Fluid Dynamics*, **2020**, 114, 414-428

1.4