

Michael E McIntyre

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

3,179
citations

759233

12
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

2652
citing authors

#	ARTICLE	IF	CITATIONS
1	Stratosphere-troposphere exchange. <i>Reviews of Geophysics</i> , 1995, 33, 403.	23.0	2,184
2	How Well do we Understand the Dynamics of Stratospheric Warmings?. <i>Journal of the Meteorological Society of Japan</i> , 1982, 60, 37-65.	1.8	265
3	Wave capture and wave-vortex duality. <i>Journal of Fluid Mechanics</i> , 2005, 534, 67-95.	3.4	182
4	On potential energy density in an incompressible, stratified fluid. <i>Journal of Fluid Mechanics</i> , 1981, 107, 221.	3.4	115
5	On Long's hypothesis of no upstream influence in uniformly stratified or rotating flow. <i>Journal of Fluid Mechanics</i> , 1972, 52, 209-243.	3.4	82
6	On the non-separable baroclinic parallel flow instability problem. <i>Journal of Fluid Mechanics</i> , 1970, 40, 273-306.	3.4	73
7	Remote recoil: a new wave-mean interaction effect. <i>Journal of Fluid Mechanics</i> , 2003, 492, 207-230.	3.4	62
8	On non-dissipative wave-mean interactions in the atmosphere or oceans. <i>Journal of Fluid Mechanics</i> , 1998, 354, 301-343.	3.4	58
9	Mean motions and impulse of a guided internal gravity wave packet. <i>Journal of Fluid Mechanics</i> , 1973, 60, 801-811.	3.4	40
10	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.	1.7	40
11	The axisymmetric convective regime for a rigidly bounded rotating annulus. <i>Journal of Fluid Mechanics</i> , 1968, 32, 625-655.	3.4	38
12	Polar confinement of the Sun's interior magnetic field by laminar magnetostrophic flow. <i>Journal of Fluid Mechanics</i> , 2011, 677, 445-482.	3.4	17
13	Lucidity and science I: Writing skills and the pattern perception hypothesis. <i>Interdisciplinary Science Reviews</i> , 1997, 22, 199-216.	1.4	6
14	Wave-vortex interactions, remote recoil, the Aharonov-Bohm effect and the Craik-Leibovich equation. <i>Journal of Fluid Mechanics</i> , 2019, 881, 182-217.	3.4	6
15	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.	1.4	3
16	Climate Uncertainties: A Personal View. <i>Meteorology</i> , 2022, 1, 162-170.	1.1	3
17	On multi-level thinking and scientific understanding. <i>Advances in Atmospheric Sciences</i> , 2017, 34, 1150-1158.	4.3	2
18	Lucidity and science III: Hypercredulity, quantum mechanics, and scientific truth. <i>Interdisciplinary Science Reviews</i> , 1998, 23, 29-70.	1.4	1

#	ARTICLE	IF	CITATIONS
19	Wave-vortex interactions and effective mean forces: three basic problems. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2020, 114, 414-428.	1.2	0