

# G J F Van Heijst

## List of Publications by Year in Descending Order

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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.

155  
papers

3,563  
citations

33  
h-index

51  
g-index

156  
ext. papers

3,799  
ext. citations

4.1  
avg, IF

5.21  
L-index

#	Paper	IF	Citations
155	The Okubo-Weiss criterion in hydrodynamic flows: geometric aspects and further extension. <i>Fluid Dynamics Research</i> , <b>2022</b> , 54, 015505	1.2	
154	High-resolution single-camera photogrammetry: incorporation of refraction at a fluid interface. <i>Experiments in Fluids</i> , <b>2020</b> , 61, 1	2.5	2
153	Wavelength selection of vortex ripples in an oscillating cylinder: The effect of curvature and background rotation. <i>Physical Review E</i> , <b>2019</b> , 99, 033105	2.4	
152	The effect of an urban park on the microclimate in its vicinity: a case study for Antwerp, Belgium. <i>International Journal of Climatology</i> , <b>2018</b> , 38, e303-e322	3.5	32
151	Extreme Small-Scale Clustering of Droplets in Turbulence Driven by Hydrodynamic Interactions. <i>Physical Review Letters</i> , <b>2018</b> , 120, 244504	7.4	8
150	PIV measurements of isothermal plane turbulent impinging jets at moderate Reynolds numbers. <i>Experiments in Fluids</i> , <b>2017</b> , 58, 1	2.5	12
149	Dissipation of coherent structures in confined two-dimensional turbulence. <i>Physics of Fluids</i> , <b>2017</b> , 29, 111103	4.4	13
148	Effect of microbubble-induced cavitation on the dispersion of sprays. <i>Physical Review Fluids</i> , <b>2017</b> , 2,	2.8	2
147	PHOSPHORESCENT FLOW TRACKING FOR QUANTITATIVE MEASUREMENTS OF LIQUID SPRAY DISPERSION. <i>Atomization and Sprays</i> , <b>2016</b> , 26, 219-233	1.2	5
146	Interaction of monopoles, dipoles, and turbulence with a shear flow. <i>Physics of Fluids</i> , <b>2016</b> , 28, 093603	4.4	5
145	The maximum sustainable heat flux in stably stratified channel flows. <i>Quarterly Journal of the Royal Meteorological Society</i> , <b>2016</b> , 142, 781-792	6.4	6
144	Lanthanide-based laser-induced phosphorescence for spray diagnostics. <i>Review of Scientific Instruments</i> , <b>2016</b> , 87, 033702	1.7	3
143	Decreasing luminescence lifetime of evaporating phosphorescent droplets. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 234103	3.4	
142	Collapse of turbulence in stably stratified channel flow: a transient phenomenon. <i>Quarterly Journal of the Royal Meteorological Society</i> , <b>2015</b> , 141, 2137-2147	6.4	22
141	Shallow flows: 2D or not 2D?. <i>Environmental Fluid Mechanics</i> , <b>2014</b> , 14, 945-956	2.2	3
140	On the suitability of steady RANS CFD for forced mixing ventilation at transitional slot Reynolds numbers. <i>Indoor Air</i> , <b>2013</b> , 23, 236-49	5.4	35
139	Experimental stabilisation of 2D vortex patterns using time-dependent forcing. <i>Europhysics Letters</i> , <b>2013</b> , 104, 24003	1.6	2

138	Lyapunov-stability of solution branches of rotating disk flow. <i>Physics of Fluids</i> , <b>2013</b> , 25, 073602	4.4	7
137	The theory of a metal-insulator transition at zero temperature and features of the dielectric function in the Coulomb model of matter. <i>High Temperature</i> , <b>2013</b> , 51, 457-464	0.8	5
136	Vortex dipole collision with a sliding wall. <i>Fluid Dynamics Research</i> , <b>2013</b> , 45, 045501	1.2	5
135	The structure of sidewall boundary layers in confined rotating Rayleigh-B̄ard convection. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 727, 509-532	3.7	21
134	Preferential states of rotating turbulent flows in a square container with a step topography. <i>Physics of Fluids</i> , <b>2013</b> , 25, 015109	4.4	2
133	Large-Eddy Simulation of pollutant dispersion around a cubical building: analysis of the turbulent mass transport mechanism by unsteady concentration and velocity statistics. <i>Environmental Pollution</i> , <b>2012</b> , 167, 47-57	9.3	47
132	Regimes of two-dimensionality of decaying shallow axisymmetric swirl flows with background rotation. <i>Journal of Fluid Mechanics</i> , <b>2012</b> , 691, 214-244	3.7	8
131	PIV measurements of a plane wall jet in a confined space at transitional slot Reynolds numbers. <i>Experiments in Fluids</i> , <b>2012</b> , 53, 499-517	2.5	20
130	Horizontal and vertical motions of barotropic vortices over a submarine mountain. <i>Journal of Fluid Mechanics</i> , <b>2012</b> , 695, 173-198	3.7	11
129	Boundary layer development in the flow field between a rotating and a stationary disk. <i>Physics of Fluids</i> , <b>2012</b> , 24, 033601	4.4	27
128	The break-up of Ekman theory in a flow subjected to background rotation and driven by a non-conservative body force. <i>Physics of Fluids</i> , <b>2012</b> , 24, 116602	4.4	3
127	Structure-function scaling of bounded two-dimensional turbulence. <i>Physical Review E</i> , <b>2011</b> , 84, 026310	2.4	3
126	An experimental study of the effect of external turbulence on the decay of a single vortex and a vortex pair. <i>Journal of Fluid Mechanics</i> , <b>2011</b> , 670, 214-239	3.7	12
125	CFD simulation of pollutant dispersion around isolated buildings: on the role of convective and turbulent mass fluxes in the prediction accuracy. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 194, 422-34	12.8	102
124	On the Reynolds number scaling of vorticity production at no-slip walls during vortex-wall collisions. <i>Theoretical and Computational Fluid Dynamics</i> , <b>2011</b> , 25, 293-300	2.3	7
123	Scaling and asymmetry in an electromagnetically forced dipolar flow structure. <i>Physical Review E</i> , <b>2011</b> , 83, 016306	2.4	11
122	Experiments and simulations on self-organization of confined quasi-two-dimensional turbulent flows with discontinuous topography. <i>Physics of Fluids</i> , <b>2010</b> , 22, 025101	4.4	1
121	Laboratory experiments on multipolar vortices in a rotating fluid. <i>Physics of Fluids</i> , <b>2010</b> , 22, 094104	4.4	16

120	Dynamics and structure of decaying shallow dipolar vortices. <i>Physics of Fluids</i> , <b>2010</b> , 22, 116606	4.4	17
119	Dynamics of two identical vortices in linear shear. <i>Physics of Fluids</i> , <b>2010</b> , 22, 117104	4.4	9
118	Virial theorem for an inhomogeneous medium, boundary conditions for the wave functions, and stress tensor in quantum statistics. <i>Physical Review E</i> , <b>2010</b> , 82, 010102	2.4	11
117	Three-dimensional flow in electromagnetically driven shallow two-layer fluids. <i>Physical Review E</i> , <b>2010</b> , 82, 026314	2.4	23
116	Kramers-Kronig relations for the dielectric function and the static conductivity of Coulomb systems. <i>Europhysics Letters</i> , <b>2010</b> , 90, 10003	1.6	28
115	Scaling of decaying shallow axisymmetric swirl flows. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 648, 471-484	3.7	11
114	Two-Dimensional Navier-Stokes Turbulence in Bounded Domains. <i>Applied Mechanics Reviews</i> , <b>2009</b> , 62,	8.6	59
113	Experiments on rapidly rotating turbulent flows. <i>Physics of Fluids</i> , <b>2009</b> , 21, 096601	4.4	40
112	Inertial oscillations in a confined monopolar vortex subjected to background rotation. <i>Physics of Fluids</i> , <b>2009</b> , 21, 116602	4.4	3
111	Meandering streams in a shallow fluid layer. <i>Europhysics Letters</i> , <b>2009</b> , 85, 54001	1.6	12
110	The 3D structure of a dipole in a shallow two-layer fluid. <i>Springer Proceedings in Physics</i> , <b>2009</b> , 289-292	0.2	
109	The 3D character of decaying turbulence in a shallow fluid layer. <i>Springer Proceedings in Physics</i> , <b>2009</b> , 293-296	0.2	
108	The minimum-entropy principle for decaying 2D turbulence in circular domains. <i>Springer Proceedings in Physics</i> , <b>2009</b> , 257-260	0.2	
107	Spontaneous angular momentum generation of two-dimensional fluid flow in an elliptic geometry. <i>Physical Review E</i> , <b>2008</b> , 78, 036301	2.4	11
106	The three-dimensional structure of an electromagnetically generated dipolar vortex in a shallow fluid layer. <i>Physics of Fluids</i> , <b>2008</b> , 20, 116601	4.4	63
105	On the large-scale structure and spectral dynamics of two-dimensional turbulence in a periodic channel. <i>Physics of Fluids</i> , <b>2008</b> , 20, 056602	4.4	4
104	A model for vortical plumes in rotating convection. <i>Physics of Fluids</i> , <b>2008</b> , 20, 066602	4.4	17
103	Intrinsic three-dimensionality in electromagnetically driven shallow flows. <i>Europhysics Letters</i> , <b>2008</b> , 83, 24001	1.6	43

102	Influence of dilated cardiomyopathy and a left ventricular assist device on vortex dynamics in the left ventricle. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , <b>2008</b> , 11, 649-60	2.1	24
101	Dispersion and Mixing in Quasi-two-dimensional Rotating Flows <b>2008</b> , 119-136		
100	Vortices in oscillating spin-up. <i>Journal of Fluid Mechanics</i> , <b>2007</b> , 573, 339-369	3.7	17
99	Vorticity dynamics of a dipole colliding with a no-slip wall. <i>Physics of Fluids</i> , <b>2007</b> , 19, 126603	4.4	35
98	Attractor crisis and bursting in a fluid flow with two no-slip directions. <i>Physical Review E</i> , <b>2007</b> , 75, 036302	4.4	6
97	Influence of initial conditions on decaying two-dimensional turbulence. <i>Physics of Fluids</i> , <b>2007</b> , 19, 046601	4.4	10
96	Eplane turbulence in a basin with no-slip boundaries. <i>Physics of Fluids</i> , <b>2006</b> , 18, 026603	4.4	9
95	Vortical motion in the head of an axisymmetric gravity current. <i>Physics of Fluids</i> , <b>2006</b> , 18, 046601	4.4	36
94	Inertia-induced coherent structures in a time-periodic viscous mixing flow. <i>Physics of Fluids</i> , <b>2006</b> , 18, 083603	4.4	17
93	Merger of coherent structures in time-periodic viscous flows. <i>Chaos</i> , <b>2006</b> , 16, 043104	3.3	16
92	The effects of solid boundaries on confined two-dimensional turbulence. <i>Journal of Fluid Mechanics</i> , <b>2006</b> , 554, 411	3.7	51
91	Interaction of dipolar vortices with a step-like topography. <i>Physics of Fluids</i> , <b>2006</b> , 18, 056603	4.4	10
90	Interaction of two unequal corotating vortices. <i>Physics of Fluids</i> , <b>2005</b> , 17, 087103	4.4	42
89	The Behavior of Jet Currents over a Continental Slope Topography with a Possible Application to the Northern Current. <i>Journal of Physical Oceanography</i> , <b>2005</b> , 35, 790-810	2.4	14
88	Experiments and Simulations on Coastal Flows in the Presence of a Topographic Slope. <i>Journal of Physical Oceanography</i> , <b>2005</b> , 35, 2204-2218	2.4	5
87	Transition to chaos in a confined two-dimensional fluid flow. <i>Physical Review Letters</i> , <b>2005</b> , 95, 104503	7.4	31
86	Vortex models based on similarity solutions of the two-dimensional diffusion equation. <i>Physics of Fluids</i> , <b>2004</b> , 16, 3997-4011	4.4	7
85	Stability and transport properties of multiple-patch quasiequilibria. <i>Physics of Fluids</i> , <b>2004</b> , 16, 3656-3669	4.4	1

84	Numerical simulation of barotropic jets over a sloping bottom: Comparison to a laboratory model of the Northern Current. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		13
83	A numerical and experimental study on advection in three-dimensional Stokes flows. <i>Journal of Fluid Mechanics</i> , <b>2004</b> , 514, 77-105	3-7	39
82	Evolution and instability of monopolar vortices in a stratified fluid. <i>Physics of Fluids</i> , <b>2003</b> , 15, 1033-1045	4-4	16
81	Self-organization of decaying quasi-two-dimensional turbulence in stratified fluid in rectangular containers. <i>Journal of Fluid Mechanics</i> , <b>2003</b> , 495, 19-33	3-7	18
80	On the wake structure behind a heated horizontal cylinder in cross-flow. <i>Journal of Fluid Mechanics</i> , <b>2003</b> , 486, 189-211	3-7	53
79	Quasi-two-dimensional turbulence in shallow fluid layers: the role of bottom friction and fluid layer depth. <i>Physical Review E</i> , <b>2003</b> , 67, 066303	2-4	41
78	A Note on the Effects of Solid Boundaries on Confined Decaying 2D Turbulence <b>2003</b> , 305-324		1
77	Dissipation of kinetic energy in two-dimensional bounded flows. <i>Physical Review E</i> , <b>2002</b> , 65, 066305	2-4	19
76	Dipole formation by two interacting shielded monopoles in a stratified fluid. <i>Physics of Fluids</i> , <b>2002</b> , 14, 704-720	4-4	15
75	Mixing in the Stokes flow in a cylindrical container. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2002</b> , 458, 1867-1885	2-4	20
74	Self-organization of quasi-two-dimensional turbulence in stratified fluids in square and circular containers. <i>Physics of Fluids</i> , <b>2002</b> , 14, 2150	4-4	38
73	Ekman effects in a rotating flow over bottom topography. <i>Journal of Fluid Mechanics</i> , <b>2002</b> , 471, 239-255	3-7	34
72	The strain rate in evolutions of (elliptical) vortices in inviscid two-dimensional flows. <i>Physics of Fluids</i> , <b>2001</b> , 13, 3699-3708	4-4	8
71	Ekman decay of a dipolar vortex in a rotating fluid. <i>Physics of Fluids</i> , <b>2001</b> , 13, 440-451	4-4	22
70	Similarities of Patterns in Fluid and Granulated Flow Inside a Horizontally Rotating Cylinder. <i>International Applied Mechanics</i> , <b>2001</b> , 37, 929-934	1	6
69	Three-dimensional structure and decay properties of vortices in shallow fluid layers. <i>Physics of Fluids</i> , <b>2001</b> , 13, 1932-1945	4-4	42
68	Contour Dynamics with Non-uniform Background Vorticity. <i>International Journal of Computational Fluid Dynamics</i> , <b>2001</b> , 15, 227-249	1-2	3
67	Laboratory experiments on intrusive flows and internal waves in a pycnocline. <i>Journal of Fluid Mechanics</i> , <b>2001</b> , 432, 285-311	3-7	23

66	Dynamics of pancake-like vortices in a stratified fluid: experiments, model and numerical simulations. <i>Journal of Fluid Mechanics</i> , <b>2001</b> , 433, 1-27	3.7	32
65	Spin-up in a rectangular container with an internal cylindrical obstacle. <i>Physics of Fluids</i> , <b>2000</b> , 12, 1986-1996	1.4	1
64	Interaction of Barotropic Vortices with Coastal Topography: Laboratory Experiments and Numerical Simulations. <i>Journal of Physical Oceanography</i> , <b>2000</b> , 30, 2141-2162	2.4	30
63	Nonlinear Ekman effects in rotating barotropic flows. <i>Journal of Fluid Mechanics</i> , <b>2000</b> , 412, 75-91	3.7	39
62	Linear spin-up in a sliced cylinder. <i>Geophysical and Astrophysical Fluid Dynamics</i> , <b>2000</b> , 92, 85-114	1.4	5
61	Energy spectra for decaying 2D turbulence in a bounded domain. <i>Physical Review Letters</i> , <b>2000</b> , 85, 306-314	7.4	46
60	Decaying quasi-2D turbulence in a stratified fluid with circular boundaries. <i>Europhysics Letters</i> , <b>1999</b> , 46, 339-345	1.6	28
59	Decaying two-dimensional turbulence in square containers with no-slip or stress-free boundaries. <i>Physics of Fluids</i> , <b>1999</b> , 11, 611-626	4.4	54
58	Experiments on barotropic vortex-wall interaction on a topographic $\beta$ -plane. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 10917-10932		5
57	Viscous evolution of 2D dipolar vortices. <i>Fluid Dynamics Research</i> , <b>1998</b> , 22, 191-213	1.2	27
56	The observation of a triangular vortex in a rotating fluid. <i>Fluid Dynamics Research</i> , <b>1998</b> , 22, 265-279	1.2	30
55	Decay of monopolar vortices in a stratified fluid. <i>Fluid Dynamics Research</i> , <b>1998</b> , 23, 27-43	1.2	15
54	Kinematic properties of monopolar vortices in a strain flow. <i>Fluid Dynamics Research</i> , <b>1998</b> , 23, 319-341	1.2	5
53	Generalized point-vortex model for the motion of a dipole-vortex on the $\beta$ -plane. <i>Fluid Dynamics Research</i> , <b>1998</b> , 23, 113-124	1.2	2
52	Dipolar vortices in a strain flow. <i>Physics of Fluids</i> , <b>1998</b> , 10, 144-159	4.4	16
51	Evolution of an isolated turbulent region in a stratified fluid. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 24857-24868		23
50	Spontaneous Spin-Up during the Decay of 2D Turbulence in a Square Container with Rigid Boundaries. <i>Physical Review Letters</i> , <b>1998</b> , 80, 5129-5132	7.4	59
49	On the interaction between two oppositely signed, shielded, monopolar vortices. <i>Physics of Fluids</i> , <b>1998</b> , 10, 3099-3110	4.4	8

48	Decaying quasi-two-dimensional viscous flow on a square domain. <i>Physics of Fluids</i> , <b>1998</b> , 10, 595-606	4.4	21
47	Dynamics of a vortex ring moving perpendicularly to the axis of a rotating fluid. <i>Journal of Fluid Mechanics</i> , <b>1998</b> , 354, 69-100	3.7	6
46	Monopolar vortices in an irrotational annular shear flow. <i>Journal of Fluid Mechanics</i> , <b>1998</b> , 360, 273-294	3.7	14
45	Collapse interactions of finite-sized two-dimensional vortices. <i>Physics of Fluids</i> , <b>1997</b> , 9, 3315-3322	4.4	22
44	Free-surface effects on spin-up in a rectangular tank. <i>Journal of Fluid Mechanics</i> , <b>1997</b> , 334, 189-210	3.7	10
43	Dynamics of monopolar vortices in a strain flow. <i>Journal of Fluid Mechanics</i> , <b>1997</b> , 345, 165-201	3.7	17
42	Wave pattern formation in a fluid annulus with a radially vibrating inner cylinder. <i>Journal of Fluid Mechanics</i> , <b>1996</b> , 328, 229-252	3.7	9
41	Dynamics of a vortex ring in a rotating fluid. <i>Journal of Fluid Mechanics</i> , <b>1996</b> , 317, 215-239	3.7	16
40	Stable and unstable monopolar vortices in a stratified fluid. <i>Journal of Fluid Mechanics</i> , <b>1996</b> , 311, 257	3.7	53
39	Unsteady behaviour of a topography-modulated tripole. <i>Journal of Fluid Mechanics</i> , <b>1996</b> , 307, 11-41	3.7	28
38	Spin-up in a circular tank with a radial barrier. <i>Physics of Fluids</i> , <b>1996</b> , 8, 2048-2059	4.4	4
37	Spin-up in a rectangular tank with a discontinuous topography. <i>Physics of Fluids</i> , <b>1996</b> , 8, 2943-2952	4.4	3
36	Motion of a two-dimensional monopolar vortex in a bounded rectangular domain. <i>Physics of Fluids</i> , <b>1996</b> , 8, 2393-2399	4.4	14
35	Self-Organization Phenomena in 2D-Flows. <i>Fluid Mechanics and Its Applications</i> , <b>1996</b> , 355-363	0.2	
34	Numerical and experimental study of the interaction between a vortex dipole and a circular cylinder. <i>Experiments in Fluids</i> , <b>1995</b> , 18, 153-163	2.5	29
33	Collision of dipolar vortices on a $\mathbb{E}^2$ -plane. <i>Physics of Fluids</i> , <b>1995</b> , 7, 2735-2750	4.4	21
32	Decay of dipolar vortex structures in a stratified fluid. <i>Physics of Fluids</i> , <b>1995</b> , 7, 374-383	4.4	31
31	Chaotic transport by dipolar vortices on a $\mathbb{E}^2$ -plane. <i>Journal of Fluid Mechanics</i> , <b>1995</b> , 291, 139-161	3.7	23



30	Two-dimensional flows with zero net momentum: evolution of vortex quadrupoles and oscillating-grid turbulence. <i>Journal of Fluid Mechanics</i> , <b>1995</b> , 282, 21-44	3.7	12
29	Nonlinear spin-up in a circular cylinder. <i>Physics of Fluids</i> , <b>1995</b> , 7, 2989-2999	4.4	8
28	Spin-up in a rectangular tank with low angular velocity. <i>Physics of Fluids</i> , <b>1994</b> , 6, 1168-1176	4.4	13
27	Experiments on convection from a horizontal plate with and without background rotation. <i>Experiments in Fluids</i> , <b>1994</b> , 16-16, 155-164	2.5	17
26	Topography effects on vortices in a rotating fluid. <i>Meccanica</i> , <b>1994</b> , 29, 431-451	2.1	38
25	An experimental study of dipolar vortex structures in a stratified fluid. <i>Journal of Fluid Mechanics</i> , <b>1994</b> , 279, 101-133	3.7	94
24	The spin-up of fluid in a rectangular container with sloping bottom. <i>Journal of Fluid Mechanics</i> , <b>1994</b> , 265, 125-159	3.7	16
23	Experimental study of dipolar vortices on a topographic $\Pi$ -plane. <i>Journal of Fluid Mechanics</i> , <b>1994</b> , 259, 79-106	3.7	55
22	The evolution of an isolated turbulent region in a two-layer fluid. <i>Physics of Fluids</i> , <b>1994</b> , 6, 287-296	4.4	15
21	Experiments on the evolution of gravitational instability of an overturned, initially stably stratified fluid. <i>Physics of Fluids A, Fluid Dynamics</i> , <b>1993</b> , 5, 2461-2466		26
20	Formation of a Tripolar Vortex in a Stratified Fluid. <i>Fluid Mechanics and Its Applications</i> , <b>1993</b> , 405-409	0.2	3
19	Spin-Up in Non-Axisymmetric Containers <b>1993</b> , 155-162		
18	The evolution of stable barotropic vortices in a rotating free-surface fluid. <i>Journal of Fluid Mechanics</i> , <b>1992</b> , 239, 607	3.7	41
17	Modelling the separation and eddy formation of coastal currents in a stratified tank. <i>Experiments in Fluids</i> , <b>1992</b> , 13, 11-16	2.5	6
16	Spin-up in a semicircular cylinder. <i>International Journal for Numerical Methods in Fluids</i> , <b>1992</b> , 15, 503-524.	4.9	8
15	Laboratory experiments on the tripolar vortex in a rotating fluid. <i>Journal of Fluid Mechanics</i> , <b>1991</b> , 225, 301-331	3.7	108
14	An experimental study of unstable barotropic vortices in a rotating fluid. <i>Journal of Fluid Mechanics</i> , <b>1991</b> , 223, 1	3.7	191
13	Propagation of barotropic vortices over topography in a rotating tank. <i>Journal of Fluid Mechanics</i> , <b>1991</b> , 233, 119-139	3.7	112

12	Spin-up in a rectangular container. <i>Physics of Fluids A, Fluid Dynamics</i> , <b>1990</b> , 2, 150-159		49
11	Tripolar vortices in a rotating fluid. <i>Nature</i> , <b>1989</b> , 338, 569-571	50.4	114
10	Dipole formation and collisions in a stratified fluid. <i>Nature</i> , <b>1989</b> , 340, 212-215	50.4	113
9	Spin-up phenomena in non-axisymmetric containers. <i>Journal of Fluid Mechanics</i> , <b>1989</b> , 206, 171-191	3.7	32
8	On the Oceanic Circulation Near a Shelf-Ice Edge. <i>Glaciology and Quaternary Geology</i> , <b>1987</b> , 37-56		2
7	Fluid flow in a partially-filled rotating cylinder. <i>Journal of Engineering Mathematics</i> , <b>1986</b> , 20, 233-250	1.2	6
6	An analytical model for ice-edge upwelling. <i>Geophysical and Astrophysical Fluid Dynamics</i> , <b>1984</b> , 29, 155-177		1
5	Frontal upwelling in a rotating two-layer fluid. <i>Geophysical and Astrophysical Fluid Dynamics</i> , <b>1984</b> , 29, 139-153	1.4	4
4	Source-sink flow in a rotating cylinder. <i>Journal of Engineering Mathematics</i> , <b>1984</b> , 18, 247-257	1.2	4
3	Two-layer spin-up and frontogenesis. <i>Journal of Fluid Mechanics</i> , <b>1984</b> , 143, 69-94	3.7	33
2	The shear-layer structure in a rotating fluid near a differentially rotating sidewall. <i>Journal of Fluid Mechanics</i> , <b>1983</b> , 130, 1	3.7	17
1	The flow between two finite rotating disks enclosed by a cylinder. <i>Journal of Fluid Mechanics</i> , <b>1983</b> , 128, 123	3.7	127