Juan Lopez

List of Publications by Year in Descending Order

159 papers	3,409 citations	33 h-index	51 g-index
182 ext. papers	3,792 ext. citations	3.8 avg, IF	5.55 L-index

#	Paper	IF	Citations
159	Effects of Microorganisms on Drop Formation in Microgravity During a Parabolic Flight with Residual Gravity and Jitter. *Microgravity Science and Technology*, **2022**, 34, 1	1.6	0
158	Flow in a ring-sheared drop: Drop deformation. *Physics of Fluids*, **2021**, 33, 042117	4.4	2
157	Coupling Vortical Bulk Flows to the Air–Water Interface: From Putting Oil on Troubled Waters to Surfactants on Protein Solutions. *Fluids*, **2021**, 6, 198	1.6	1
156	On the origins of steady streaming in precessing fluids. *Journal of Fluid Mechanics*, **2021**, 910,	3.7	5
155	On the Boussinesq approximation in arbitrarily accelerating frames of reference. *Journal of Fluid Mechanics*, **2021**, 924,	3.7	1
154	Reflections and focusing of inertial waves in a librating cube with the rotation axis oblique to its faces. *Journal of Fluid Mechanics*, **2020**, 896,	3.7	2
153	Impact of centrifugal buoyancy on strato-rotational instability. *Journal of Fluid Mechanics*, **2020**, 890,	3.7	5
152	Simulated microgravity in the ring-sheared drop. *Npj Microgravity*, **2020**, 6, 2	5.3	3
151	Precessing cube: resonant excitation of modes and triadic resonance. *Journal of Fluid Mechanics*, **2020**, 887,	3.7	6
150	Dynamics in a stably stratified tilted square cavity. *Journal of Fluid Mechanics*, **2020**, 883,	3.7	1
149	Parametrically forced stably stratified cavity flow: complicated nonlinear dynamics near the onset of instability. *Journal of Fluid Mechanics*, **2019**, 871, 1067-1096	3.7	1
148	Flow in a containerless liquid system: Ring-sheared drop with finite surface shear viscosity. *Physical Review Fluids*, **2019**, 4,	2.8	3
147	On triadic resonance as an instability mechanism in precessing cylinder flow. *Journal of Fluid Mechanics*, **2018**, 841,	3.7	11
146	Rapidly rotating precessing cylinder flows: forced triadic resonances. *Journal of Fluid Mechanics*, **2018**, 839, 239-270	3.7	15
145	Librational forcing of a rapidly rotating fluid-filled cube. *Journal of Fluid Mechanics*, **2018**, 842, 469-494	3.7	7
144	Vertically forced stably stratified cavity flow: instabilities of the basic state. *Journal of Fluid Mechanics*, **2018**, 851,	3.7	1
143	Mixing within drops via surface shear viscosity. *International Journal of Heat and Mass Transfer*, **2018**, 125, 559-568	4.9	5

142	Complex dynamics in a stratified lid-driven square cavity flow. *Journal of Fluid Mechanics*, **2018**, 855, 43-66	3.7	7
141	Predicting Steady Shear Rheology of Condensed-Phase Monomolecular Films at the Air-Water Interface. *Physical Review Letters*, **2018**, 121, 164502	7.4	9
140	Modelling steady shear flows of Newtonian liquids with non-Newtonian interfaces. *Journal of Fluid Mechanics*, **2017**, 814, 5-23	3.7	10
139	Surface shear viscosity as a macroscopic probe of amyloid fibril formation at a fluid interface. *Soft Matter*, **2017**, 13, 1780-1787	3.6	11
138	Nonlinear mode interactions in a counter-rotating split-cylinder flow. *Journal of Fluid Mechanics*, **2017**, 816, 719-745	3.7	1
137	Evaluation of closure strategies for a periodically-forced Duffing oscillator with slowly modulated frequency subject to Gaussian white noise. *Communications in Nonlinear Science and Numerical Simulation*, **2017**, 44, 144-158	3.7	6
136	Oscillatory shear rheology measurements and Newtonian modeling of insoluble monolayers. *Physical Review Fluids*, **2017**, 2,	2.8	5
135	Transition to complex dynamics in the cubic lid-driven cavity. *Physical Review Fluids*, **2017**, 2,	2.8	13
134	Differentially rotating split-cylinder flow: Responses to weak harmonic forcing in the rapid rotation regime. *Physical Review Fluids*, **2017**, 2,	2.8	2
133	Experimental and numerical investigation of a strongly-forced precessing cylinder flow. *International Journal of Heat and Fluid Flow*, **2016**, 61, 68-74	2.4	5
132	Shear-induced amyloid fibrillization: the role of inertia. *Soft Matter*, **2016**, 12, 3461-7	3.6	16
131	Nonlinear and detuning effects of the nutation angle in precessionally forced rotating cylinder flow. *Physical Review Fluids*, **2016**, 1,	2.8	10
130	Three-dimensional instabilities and inertial waves in a rapidly rotating split-cylinder flow. *Journal of Fluid Mechanics*, **2016**, 800, 666-687	3.7	7
129	Inertial waves in rapidly rotating flows: a dynamical systems perspective. *Physica Scripta*, **2016**, 91, 124001	2.16	1
128	Subcritical instability of finite circular Couette flow with stationary inner cylinder. *Journal of Fluid Mechanics*, **2016**, 793, 589-611	3.7	8
127	Coupling of the interfacial and bulk flow in knife-edge viscometers. *Physics of Fluids*, **2015**, 27, 042102	4.4	16
126	Instabilities of the sidewall boundary layer in a rapidly rotating split cylinder. *European Journal of Mechanics, B/Fluids*, **2015**, 52, 76-84	2.4	6
125	Triadic resonances in precessing rapidly rotating cylinder flows. *Journal of Fluid Mechanics*, **2015**, 778,	3.7	23

124	Bulk flow driven by a viscous monolayer. *Journal of Fluid Mechanics*, **2015**, 785, 283-300	3.7	12
123	Precession of a rapidly rotating cylinder flow: traverse through resonance. *Journal of Fluid Mechanics*, **2015**, 782, 63-98	3.7	19
122	Flow-induced 2D protein crystallization: characterization of the coupled interfacial and bulk flows. *Soft Matter*, **2015**, 11, 3618-28	3.6	6
121	Three-dimensional instabilities in a discretely heated annular flow: Onset of spatio-temporal complexity via defect dynamics. *Physics of Fluids*, **2014**, 26, 064102	4.4	4
120	Rapidly rotating cylinder flow with an oscillating sidewall. *Physical Review E*, **2014**, 89, 013013	2.4	15
119	Confined rotating convection with large Prandtl number: centrifugal effects on wall modes. *Physical Review E*, **2014**, 89, 013019	2.4	11
118	Spontaneous generation of a swirling plume in a stratified ambient. *Journal of Fluid Mechanics*, **2014**, 761, 443-463	3.7	6
117	Effect of elongational flow on ferrofuids under a magnetic field. *Physical Review E*, **2013**, 88, 013003	2.4	16
116	Instability of plumes driven by localized heating. *Journal of Fluid Mechanics*, **2013**, 736, 616-640	3.7	26
115	Bifurcations with imperfect SO(2) symmetry and pinning of rotating waves. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2013**, 469, 20120348	2.4	8
114	Transition from Newtonian to non-Newtonian surface shear viscosity of phospholipid monolayers. *Physics of Fluids*, **2013**, 25, 032107	4.4	11
113	Slow passage through multiple bifurcation points. *Discrete and Continuous Dynamical Systems - Series B*, **2013**, 18, 95-107	1.3	4
112	Code verification for finite volume multiphase scalar equations using the method of manufactured solutions. *Journal of Computational Physics*, **2012**, 231, 2924-2944	4.1	13
111	Double-Diffusive Convection from a Discrete Heat and Solute Source in a Vertical Porous Annulus. *Transport in Porous Media*, **2012**, 91, 753-775	3.1	16
110	Three-dimensional swirling flows in a tall cylinder driven by a rotating endwall. *Physics of Fluids*, **2012**, 24, 014101	4.4	19
109	Symmetry-breaking Hopf bifurcations to 1-, 2-, and 3-tori in small-aspect-ratio counterrotating Taylor-Couette flow. *Physical Review E*, **2012**, 86, 046316	2.4	14
108	Constant-flux discrete heating in a unit aspect-ratio annulus. *Fluid Dynamics Research*, **2012**, 44, 065507	1.2	7
107	Thermosolutal convection from a discrete heat and solute source in a vertical porous annulus. *International Journal of Heat and Mass Transfer*, **2012**, 55, 4116-4128	4.9	29

106	Influence of an inhomogeneous internal magnetic field on the flow dynamics of a ferrofluid between differentially rotating cylinders. *Physical Review E*, **2012**, 85, 066314	2.4	18
105	Two-fluid confined flow in a cylinder driven by a rotating end wall. *Physical Review E*, **2012**, 85, 016308	2.4	19
104	Addendum to "Two-fluid confined flow in a cylinder driven by a rotating endwall". *Physical Review E* , **2012**, 85, 067301	2.4	12
103	Transitions to three-dimensional flows in a cylinder driven by oscillations of the sidewall. *Journal of Fluid Mechanics*, **2011**, 681, 515-536	3.7	6
102	Instabilities and inertial waves generated in a librating cylinder. *Journal of Fluid Mechanics*, **2011**, 687, 171-193	3.7	24
101	Pinning of rotating waves to defects in finite Taylor□couette flow. *Journal of Fluid Mechanics*, **2011**, 666, 254-272	3.7	9
100	Numerical study of natural convection in a vertical porous annulus with discrete heating. *International Journal of Heat and Mass Transfer*, **2011**, 54, 1493-1505	4.9	91
99	Slow passage through resonance. *Physical Review E*, **2011**, 84, 056604	2.4	15
98	Modulated waves in a periodically driven annular cavity. *Journal of Fluid Mechanics*, **2011**, 667, 336-357	3.7	6
97	Confined thermocapillary motion of a three-dimensional deformable drop. *Physics of Fluids*, **2011**, 23, 022101	4.4	33
96	Onset of K□pers□ortz-like dynamics in finite rotating thermal convection. *Journal of Fluid Mechanics*, **2010**, 644, 337-357	3.7	14
95	Sidewall boundary layer instabilities in a rapidly rotating cylinder driven by a differentially corotating lid. *Physics of Fluids*, **2010**, 22, 114109	4.4	19
94	Optimal harmonic response in a confined B□ewadt boundary layer flow. *Physical Review E*, **2010**, 82, 036301	2.4	14
93	Harmonically forced enclosed swirling flow. *Physics of Fluids*, **2009**, 21, 034106	4.4	8
92	Crossflow instability of finite B□ewadt flows: Transients and spiral waves. *Physics of Fluids*, **2009**, 21, 114107	4.4	36
91	Interacting oscillatory boundary layers and wall modes in modulated rotating convection. *Journal of Fluid Mechanics*, **2009**, 625, 75-96	3.7	12
90	Centrifugal effects in rotating convection: nonlinear dynamics. *Journal of Fluid Mechanics*, **2009**, 628, 269-297	3.7	34
89	Influence of wall modes on the onset of bulk convection in a rotating cylinder. *Physics of Fluids*, **2008**, 20, 024109	4.4	10

88	Global endwall effects on centrifugally stable flows. *Physics of Fluids*, **2008**, 20, 104104	4.4	28
87	Modulated rotating convection: radially travelling concentric rolls. *Journal of Fluid Mechanics*, **2008**, 608, 357-378	3.7	13
86	Quenching of vortex breakdown oscillations via harmonic modulation. *Journal of Fluid Mechanics*, **2008**, 599, 441-464	3.7	16
85	Mode competition in modulated Taylor–Couette flow. *Journal of Fluid Mechanics*, **2008**, 601, 381-406	3.7	13
84	Bursting dynamics due to a homoclinic cascade in Taylor–Couette flow. *Journal of Fluid Mechanics*, **2008**, 613, 357-384	3.7	24
83	Coupling between protein-laden films and a shearing bulk flow. *Journal of Colloid and Interface Science*, **2008**, 322, 79-86	9.3	7
82	Protein crystallization at the air/water interface induced by shearing bulk flow. *Langmuir*, **2007**, 23, 5227-30	4	13
81	Onset of convection in a moderate aspect-ratio rotating cylinder: Eckhaus–Benjamin–Feir instability. *Journal of Fluid Mechanics*, **2007**, 590, 187-208	3.7	26
80	Stability control and catastrophic transition in a forced Taylor–Couette system. *Journal of Fluid Mechanics*, **2007**, 590, 471-496	3.7	19
79	Transition processes for junction vortex flow. *Journal of Fluid Mechanics*, **2007**, 585, 457-467	3.7	5
78	Centrifugal effects in rotating convection: axisymmetric states and three-dimensional instabilities. *Journal of Fluid Mechanics*, **2007**, 580, 303-318	3.7	40
77	Experimental and numerical investigation of the competition between axisymmetric time-periodic modes in an enclosed swirling flow. *Physics of Fluids*, **2006**, 18, 104106	4.4	9
76	Travelling circular waves in axisymmetric rotating convection. *Journal of Fluid Mechanics*, **2006**, 569, 331	3.7	18
75	Onset of three-dimensional unsteady states in small-aspect-ratio Taylor–Couette flow. *Journal of Fluid Mechanics*, **2006**, 561, 255	3.7	24
74	Rotating and modulated rotating waves in transitions of an enclosed swirling flow. *Journal of Fluid Mechanics*, **2006**, 553, 323	3.7	29
73	Effects of shearing flow with inertia on monolayer mesoscale structure. *Langmuir*, **2006**, 22, 9483-6	4	4
72	Mode competition of rotating waves in reflection-symmetric Taylor–Couette flow. *Journal of Fluid Mechanics*, **2005**, 540, 269	3.7	22
71	Symmetry breaking of two-dimensional time-periodic wakes. *Journal of Fluid Mechanics*, **2005**, 522, 395-411	3.7	75

70	Finite aspect ratio Taylor–Couette flow: Shil'nikov dynamics of 2-tori. *Physica D: Nonlinear Phenomena*, **2005**, 211, 168-191	3.3	12
69	Symmetry breaking via global bifurcations of modulated rotating waves in hydrodynamics. *Physical Review Letters*, **2005**, 94, 074501	7.4	21
68	Three-dimensional modes in a periodically driven elongated cavity. *Physical Review E*, **2005**, 71, 026305	2.4	9
67	Influence of coexisting phases on the surface dilatational viscosity of Langmuir monolayers. *Physical Review E*, **2004**, 70, 056308	2.4	10
66	From global to local bifurcations in a forced Taylor–Couette flow. *Theoretical and Computational Fluid Dynamics*, **2004**, 18, 115-128	2.3	
65	Bifurcations in systems with Z2 spatio-temporal and O(2) spatial symmetry. *Physica D: Nonlinear Phenomena*, **2004**, 189, 247-276	3.3	41
64	Flow-induced patterning of Langmuir monolayers. *Langmuir*, **2004**, 20, 5651-4	4	6
63	Mode competition between rotating waves in a swirling flow with reflection symmetry. *Journal of Fluid Mechanics*, **2004**, 507, 265-288	3.7	23
62	Symmetry breaking in free-surface cylinder flows. *Journal of Fluid Mechanics*, **2004**, 502, 99-126	3.7	49
61	Complex dynamics in a short annular container with rotating bottom and inner cylinder. *Journal of Fluid Mechanics*, **2004**, 501, 327-354	3.7	15
60	Flow induced patterning at the air–water interface. *Physics of Fluids*, **2003**, 15, L45	4.4	15
59	The onset of three-dimensional standing and modulated travelling waves in a periodically driven cavity flow. *Journal of Fluid Mechanics*, **2003**, 497, 289-317	3.7	33
58	Spatio-temporal dynamics of a periodically driven cavity flow. *Journal of Fluid Mechanics*, **2003**, 478, 197-226	3.7	26
57	Small aspect ratio Taylor-Couette flow: onset of a very-low-frequency three-torus state. *Physical Review E*, **2003**, 68, 036302	2.4	15
56	On three-dimensional quasiperiodic Floquet instabilities of two-dimensional bluff body wakes. *Physics of Fluids*, **2003**, 15, L57-L60	4.4	83
55	Tangent double Hopf bifurcation in a differentially rotating cylinder flow. *Physical Review E*, **2003**, 68, 016310	2.4	19
54	Imperfect gluing bifurcation in a temporal glide-reflection symmetric Taylor–Couette flow. *Physics of Fluids*, **2002**, 14, L33-L36	4.4	10
53	Non-newtonian behavior of an insoluble monolayer: effects of inertia. *Journal of Colloid and Interface Science*, **2002**, 248, 103-10	9.3	15

52	An Efficient Spectral-Projection Method for the Navier-Stokes Equations in Cylindrical Geometries. *Journal of Computational Physics*, **2002**, 176, 384-401	4.1	52
51	A Continuation and Bifurcation Technique for Navier-Stokes Flows. *Journal of Computational Physics*, **2002**, 180, 78-98	4.1	39
50	Modulated Taylor-Couette Flow: Onset of Spiral Modes. *Theoretical and Computational Fluid Dynamics*, **2002**, 16, 59-69	2.3	15
49	Noise-induced enhancement of chemical reactions in nonlinear flows. *Chaos*, **2002**, 12, 417-425	3.3	15
48	Symmetry breaking to a rotating wave in a lid-driven cylinder with a free surface: Experimental observation. *Physics of Fluids*, **2002**, 14, L29-L32	4.4	27
47	Determination of surface shear viscosity via deep-channel flow with inertia. *Journal of Fluid Mechanics*, **2002**, 470, 135-149	3.7	38
46	Modulated rotating waves in an enclosed swirling flow. *Journal of Fluid Mechanics*, **2002**, 465, 33-58	3.7	40
45	Instability and mode interactions in a differentially driven rotating cylinder. *Journal of Fluid Mechanics*, **2002**, 462, 383-409	3.7	46
44	Mode interactions in an enclosed swirling flow: a double Hopf bifurcation between azimuthal wavenumbers 0 and 2. *Journal of Fluid Mechanics*, **2002**, 455, 263-281	3.7	47
43	INFLUENCE OF A NONLINEAR EQUATION OF STATE ON CONTAMINATION FRONTS AT AIR/WATER INTERFACES **2002**, 271-271		
42	Precessing vortex breakdown mode in an enclosed cylinder flow. *Physics of Fluids*, **2001**, 13, 1679-1682	4.4	52
41	Oscillatory Driven Cavity with an Air/Water Interface and an Insoluble Monolayer: Surface Viscosity Effects. *Journal of Colloid and Interface Science*, **2001**, 242, 1-5	9.3	11
40	Measurement and computation of hydrodynamic coupling at an air/water interface with an insoluble monolayer. *Journal of Fluid Mechanics*, **2001**, 443, 271-292	3.7	38
39	Oscillatory modes in an enclosed swirling flow. *Journal of Fluid Mechanics*, **2001**, 439, 109-129	3.7	39
38	Symmetry breaking of the flow in a cylinder driven by a rotating end wall. *Physics of Fluids*, **2000**, 12, 2698	4.4	52
37	Surfactant-Influenced Gas-Liquid Interfaces: Nonlinear Equation of State and Finite Surface Viscosities. *Journal of Colloid and Interface Science*, **2000**, 229, 575-583	9.3	33
36	Endwall effects in a periodically forced centrifugally unstable flow. *Fluid Dynamics Research*, **2000**, 27, 91-108	1.2	5
35	Spatial and temporal resonances in a periodically forced hydrodynamic system. *Physica D: Nonlinear Phenomena*, **2000**, 136, 340-352	3.3	20

34	Determining the self-rotation number following a Naimark–Sacker bifurcation in the periodically forced Taylor–Couette flow. *Zeitschrift Fur Angewandte Mathematik Und Physik*, **2000**, 51, 61-74	1.6	1
33	On the Flow Induced by Centrifugal Buoyancy in a Differentially-Heated Rotating Cylinder. *Theoretical and Computational Fluid Dynamics*, **2000**, 14, 39-54	2.3	9
32	Evolution of an initially columnar vortex terminating normal to a no-slip wall. *Experiments in Fluids*, **2000**, 29, 309-321	2.5	12
31	Inertial effects in the rotationally driven melt motion during the Czochralski growth of silicon crystals with a strong axial magnetic field. *Zeitschrift Fur Angewandte Mathematik Und Physik*, **2000**, 51, 267	1.6	2
30	Dynamics of three-tori in a periodically forced navier-stokes flow. *Physical Review Letters*, **2000**, 85, 972-5	7.4	42
29	Quasiperiodic Response to Parametric Excitations. *The IMA Volumes in Mathematics and Its Applications*, **2000**, 209-227	0.5	2
28	Oscillatory flow states in an enclosed cylinder with a rotating endwall. *Journal of Fluid Mechanics*, **1999**, 389, 101-118	3.7	61
27	Direct Determination of the Dependence of the Surface Shear and Dilatational Viscosities on the Thermodynamic State of the Interface: Theoretical Foundations. *Journal of Colloid and Interface Science*, **1998**, 206, 231-239	9.3	37
26	An Efficient Spectral-Projection Method for the Navier–Stokes Equations in Cylindrical Geometries. *Journal of Computational Physics*, **1998**, 139, 308-326	4.1	73
25	Coupling Between a Viscoelastic Gas/Liquid Interface and a Swirling Vortex Flow. *Journal of Fluids Engineering, Transactions of the ASME*, **1998**, 120, 655-661	2.1	7
24	A numerical study of periodically forced flows using a spectral-projection method **1998**, 189-194		
23	Characteristics of endwall and sidewall boundary layers in a rotating cylinder with a differentially rotating endwall. *Journal of Fluid Mechanics*, **1998**, 359, 49-79	3.7	41
22	Taylor–Couette flow with axial oscillations of the inner cylinder: Floquet analysis of the basic flow. *Journal of Fluid Mechanics*, **1997**, 348, 153-175	3.7	46
21	Stability of stationary endwall boundary layers during spin-down. *Journal of Fluid Mechanics*, **1996**, 326, 373-398	3.7	39
20	Vortex evolution in non-axisymmetric impulsive spin-up from rest. *Journal of Fluid Mechanics*, **1996**, 324, 109-134	3.7	7
19	Flow between a stationary and a rotating disk shrouded by a co-rotating cylinder. *Physics of Fluids*, **1996**, 8, 2605-2613	4.4	38
18	Unsteady swirling flow in an enclosed cylinder with reflectional symmetry. *Physics of Fluids*, **1995**, 7, 2700-2714	4.4	48
17	On the bifurcation structure of axisymmetric vortex breakdown in a constricted pipe. *Physics of Fluids*, **1994**, 6, 3683-3693	4.4	86

16	Behavior of streamwise rib vortices in a three-dimensional mixing layer. *Physics of Fluids A, Fluid Dynamics*, **1993**, 5, 1694-1702		9
15	The Effect of Magnetic Field Strength on the Oscillatory Characteristics of Multimode Magnetoconvection. *Publications of the Astronomical Society of Australia*, **1993**, 10, 275-277	5.5	
14	Axisymmetric vortex breakdown. Part 3 Onset of periodic flow and chaotic advection. *Journal of Fluid Mechanics*, **1992**, 234, 449	3.7	116
13	Axisymmetric vortex breakdown Part 1. Confined swirling flow. *Journal of Fluid Mechanics*, **1990**, 221, 533-552	3.7	251
12	Axisymmetric vortex breakdown Part 2. Physical mechanisms. *Journal of Fluid Mechanics*, **1990**, 221, 553-576	3.7	264
11	The Evolution of a Horizontal Scale for Oscillatory Magnetoconvection. *Publications of the Astronomical Society of Australia*, **1989**, 8, 25-28	5.5	1
10	Axisymmetric vortex breakdown in an enclosed cylinder flow **1989**, 384-388		4
9	CELL SIZES AT THE ONSET OF OSCILLATORY CONVECTIVE INSTABILITY IN A LAYER OF LOW-PRANDTL-NUMBER FLUID SUBJECT TO ROTATION AND A VERTICAL MAGNETIC FIELD. *Quarterly Journal of Mechanics and Applied Mathematics*, **1987**, 40, 303-314	1	
8	Evolution of a Horizontal Scale for Magnetoconvection. *Publications of the Astronomical Society of Australia*, **1987**, 7, 112-116	5.5	2
7	A Nonlinear Bifurcation in Cellular Convection Theory. *Publications of the Astronomical Society of Australia*, **1986**, 6, 322-325	5.5	
6	The onset of oscillatory instability in a rotating layer of mercury heated from below and subject to a magnetic field. *Proceedings of the Royal Society of London Series A, Mathematical and Physical Sciences*, **1986**, 407, 313-324		2
5	Time Dependent Multimode Hexagonal Magnetoconvection. *Publications of the Astronomical Society of Australia*, **1985**, 6, 227-231	5.5	
4	Multi-Mode Study of Time-Dependent Thermal Convection With Hexagonal Planforms. *Publications of the Astronomical Society of Australia*, **1984**, 5, 483-487	5.5	1
3	Time-Dependent Thermal Convection. *Publications of the Astronomical Society of Australia*, **1983**, 5, 173-175	5.5	2
2	The Influence of the Magnetic Boundary Conditions on the Nature of Astrophysical Convection. *Publications of the Astronomical Society of Australia*, **1983**, 5, 172-173	5.5	
1	Magnetic Prandtl Number and Astrophysical Convection. *Publications of the Astronomical Society of Australia*, **1981**, 4, 208-209	5.5	