Andrew P Bassom

List of Publications by Year
in descending order

168	2,326	279798 23	289244 40
papers	citations	h-index	g-index
174	174	174	1155
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Axially compressed thin cylindrical shells: Asymptotic limits for a nonlinear basic state. International Journal of Non-Linear Mechanics, 2022, 138, 103848.	2.6	3
2	Singular Perturbations and Torsional Wrinkling in a Truncated Hemispherical Thin Elastic Shell. Journal of Elasticity, 2022, 150, 197-220.	1.9	5
3	A mesoscopic model for thermal–solutal problems of power-law fluids through porous media. Physics of Fluids, 2021, 33, .	4.0	22
4	Simulating Mining-Induced Seismicity Using the Material Point Method. Rock Mechanics and Rock Engineering, 2021, 54, 4483-4503.	5.4	3
5	Planetary waves in polar basins: Some exact solutions. Applied Mathematics Letters, 2021, 117, 107121.	2.7	1
6	Large-time solutions of a class of scalar, nonlinear hyperbolic reaction–diffusion equations. Journal of Engineering Mathematics, 2021, 130, 1.	1.2	2
7	A lattice Boltzmann method for single- and two-phase models of nanofluids: Newtonian and non-Newtonian nanofluids. Physics of Fluids, 2021, 33, .	4.0	29
8	Simulating hydraulic fracturing preconditioning in mines with the material point method. Journal of Applied Geophysics, 2021, 195, 104471.	2.1	2
9	New complex-valued solutions of Painlevé IV: An application to the nonlinear Schrödinger equation. Applied Mathematics Letters, 2020, 101, 106060.	2.7	1
10	Topographic Rossby waves in a polar basin. Journal of Fluid Mechanics, 2020, 899, .	3.4	2
11	Long-time solutions of scalar nonlinear hyperbolic reaction equations incorporating relaxation I. The reaction function is a bistable cubic polynomial. Journal of Differential Equations, 2019, 266, 1285-1312.	2.2	3
12	Accurate approximations for planetary and gravity waves in a polar basin. Tellus, Series A: Dynamic Meteorology and Oceanography, 2019, 71, 1618133.	1.7	3
13	Delineation of fault segments in mines using seismic source mechanisms and location uncertainty. Journal of Applied Geophysics, 2019, 170, 103828.	2.1	5
14	The Effect of Internal and External Heating on the Free Convective Flow of a Bingham Fluid in a Vertical Porous Channel. Fluids, 2019, 4, 95.	1.7	7
15	Unsteady Free Convection Boundary Layer Flows of a Bingham Fluid in Cylindrical Porous Cavities. Transport in Porous Media, 2019, 127, 711-728.	2.6	2
16	Modified Rayleigh–Bénard convection driven by long-wavelength heating from above and below. Theoretical and Computational Fluid Dynamics, 2019, 33, 37-57.	2.2	3
17	Eigen-transitions in cantilever cylindrical shells subjected to vertical edge loads. Mathematics and Mechanics of Solids, 2019, 24, 701-722.	2.4	1
18	Interfacial behaviour in two-fluid Taylor–Couette flow. Quarterly Journal of Mechanics and Applied Mathematics, 2018, 71, 79-97.	1.3	4

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19	Wrinkling Structures at the Rim of an Initially Stretched Circular Thin Plate Subjected to Transverse Pressure. SIAM Journal on Applied Mathematics, 2018, 78, 1009-1029.	1.8	7
20	On integrable Ermakovâ€"PainlevÃ© IV systems. Journal of Mathematical Analysis and Applications, 2018, 462, 1225-1241.	1.0	7
21	On the neutral stability curve for shallow conical shells subjected to lateral pressure. Mathematics and Mechanics of Solids, 2018, 23, 727-747.	2.4	0
22	On the Mathematical Structure of Eigen-deformations in a FÃ¶ppl-von KÃ¡rmÃ¡n Bifurcation System. Journal of Elasticity, 2018, 131, 183-205.	1.9	1
23	The Inclined Wooding Problem. Transport in Porous Media, 2018, 125, 465-482.	2.6	4
24	Interacting convection modes in a saturated porous medium of nearly square planform: a special case. Journal of Engineering Mathematics, 2017, 107, 87-110.	1.2	1
25	Conservation Laws and Integral Relations for the Boussinesq Equation. Studies in Applied Mathematics, 2017, 139, 104-128.	2.4	14
26	TRUCK SAFETY BARRIERS FOR MINING SITES. ANZIAM Journal, 2017, 59, 35-50.	0.2	1
27	On the Role of In-Plane Compliance in Edge Wrinkling. Journal of Elasticity, 2017, 126, 135-154.	1.9	7
28	Interacting convection modes in a saturated porous medium of nearly square planform: four modes. IMA Journal of Applied Mathematics, 2017, 82, 526-547.	1.6	2
29	Singularities and wrinkling: The case of a concentrated force. International Journal of Engineering Science, 2016, 106, 229-244.	5.0	5
30	Conditions for the localisation of plastic deformation in temperature sensitive viscoplastic materials. Journal of Mechanics of Materials and Structures, 2016, 11, 113-136.	0.6	16
31	Frequency staircases in narrow-gap spherical Couette flow. Geophysical and Astrophysical Fluid Dynamics, 2016, 110, 166-197.	1.2	1
32	On the interaction of uni-directional and bi-directional buckling of a plate supported by an elastic foundation. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20150873.	2.1	1
33	Unsteady thermal boundary layer flows of a Bingham fluid in a porous medium following a sudden change in surface heat flux. International Journal of Heat and Mass Transfer, 2016, 93, 1100-1106.	4.8	9
34	On the nonlinear membrane approximation and edge-wrinkling. International Journal of Solids and Structures, 2016, 82, 85-94.	2.7	15
35	Asymptotic limits and wrinkling patterns in a pressurised shallow spherical cap. International Journal of Non-Linear Mechanics, 2016, 81, 8-18.	2.6	15
36	The large-time asymptotic solution of the mKdV equation. European Journal of Applied Mathematics, 2015, 26, 931-943.	2.9	0

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37	BATCH PROCESSING IN A GLASS FURNACE. ANZIAM Journal, 2015, 57, 175-188.	0.2	2
38	Asymptotic phenomena in pressurized thin films. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2015, 471, 20150471.	2.1	10
39	The Linear Impulse Response for Disturbances in an Oscillatory Stokes Layer. Procedia IUTAM, 2015, 14, 381-384.	1.2	1
40	Unsteady thermal boundary layer flows of a Bingham fluid in a porous medium. International Journal of Heat and Mass Transfer, 2015, 82, 460-467.	4.8	15
41	The nonlinear interaction of convection modes in a box of a saturated porous medium. Physica D: Nonlinear Phenomena, 2015, 301-302, 48-58.	2.8	6
42	The linear stability of a Stokes layer subjected to high-frequency perturbations. Journal of Fluid Mechanics, 2015, 764, 193-218.	3.4	18
43	Stability of the boundary layer on a rotating disk for power-law fluids. Journal of Non-Newtonian Fluid Mechanics, 2014, 207, 1-6.	2.4	24
44	Effects of an axial flow component on the Honji instability. Journal of Fluids and Structures, 2014, 49, 614-639.	3.4	7
45	Weakly Nonlinear Convection in a Porous Layer with Multiple Horizontal Partitions. Transport in Porous Media, 2014, 103, 437-448.	2.6	5
46	The effect of a normal electric field on wave propagation on a fluid film. Physics of Fluids, 2014, 26, 012107.	4.0	11
47	Evolution of disturbance wavepackets in an oscillatory Stokes layer. Journal of Fluid Mechanics, 2014, 752, 543-571.	3.4	18
48	Linear Stability of a Developing Thermal Front Induced by a Constant Heat Flux. Transport in Porous Media, 2013, 99, 493-513.	2.6	11
49	Dean vortices in finite-aspect-ratio ducts. Journal of Fluid Mechanics, 2013, 716, .	3.4	6
50	Stability of surfactant-laden core–annular flow and rod–annular flow to non-axisymmetric modes. Journal of Fluid Mechanics, 2013, 716, .	3.4	7
51	The effect of a piggyback cylinder on the flow characteristics in oscillatory flow. Ocean Engineering, 2013, 62, 45-55.	4.3	17
52	The Dean instability for shear-thinning fluids. Journal of Non-Newtonian Fluid Mechanics, 2013, 198, 125-135.	2.4	5
53	An asymptotic solution of a kinematic -dynamo with meridional circulation. Geophysical and Astrophysical Fluid Dynamics, 2013, 107, 667-714.	1.2	7
54	A MATHEMATICAL MODEL FOR CELL-INDUCED GEL COMPACTION IN VITRO. Mathematical Models and Methods in Applied Sciences, 2013, 23, 127-163.	3.3	6

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55	The linear impulse response for disturbances in an oscillatory stokes layer. , 2013, , .		0
56	Flow of a liquid layer over heated topography. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2012, 468, 4067-4087.	2.1	8
57	Unfolding of homoclinic and heteroclinic behaviour in a multiply-symmetric strut buckling problem. Quarterly Journal of Mechanics and Applied Mathematics, 2012, 65, 141-160.	1.3	2
58	Using surfactants to stabilize two-phase pipe flows of core–annular type. Journal of Fluid Mechanics, 2012, 704, 333-359.	3.4	20
59	The linear stability of oscillatory Poiseuille flow in channels and pipes. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2011, 467, 2643-2662.	2.1	22
60	Water-table response to tidal forcing at sloping beaches. Journal of Engineering Mathematics, 2011, 69, 291-311.	1.2	7
61	The onset of strongly localized thermal convection in rotating spherical shells. Journal of Fluid Mechanics, 2011, 689, 376-416.	3.4	14
62	The linear stability of a Stokes layer with an imposed axial magnetic field. Journal of Fluid Mechanics, 2010, 662, 320-328.	3.4	3
63	Direct numerical simulations of small disturbances in the classical Stokes layer. Journal of Engineering Mathematics, 2010, 68, 327-338.	1.2	14
64	Models for gibberellic acid transport and enzyme production and transport in the aleurone layer of barley. Journal of Theoretical Biology, 2010, 267, 15-21.	1.7	7
65	Nonlinear development of two-layer Couette–Poiseuille flow in the presence of surfactant. Physics of Fluids, 2010, 22, .	4.0	20
66	RADIAL INJECTION OF A HOT FLUID INTO A COLD POROUS MEDIUM: THE EFFECTS OF LOCAL THERMAL NONEQUILIBRIUM. Computational Thermal Sciences, 2010, 2, 221-230.	0.9	7
67	THE LARGE-TIME SOLUTION OF A NONLINEAR FOURTH-ORDER EQUATION INITIAL-VALUE PROBLEM I. INITIAL DATA WITH A DISCONTINUOUS EXPANSIVE STEP. ANZIAM Journal, 2009, 51, 178-190.	0.2	0
68	Higher-order asymptotics for edge-buckling of pre-stressed thin plates under in-plane bending. Journal of Engineering Mathematics, 2009, 63, 327-338.	1.2	9
69	Diffusion and the formation of vorticity staircases in randomly strained two-dimensional vortices. Journal of Fluid Mechanics, 2009, 638, 49-72.	3.4	4
70	The Linear Vortex Instability of the Near-vertical Line Source Plume in Porous Media. Transport in Porous Media, 2008, 74, 221-238.	2.6	6
71	An asymptotic description of the elastic instability of twisted thin elastic plates. Acta Mechanica, 2008, 200, 59-68.	2.1	23
72	Local thermal non-equilibrium effects arising from the injection of a hot fluid into a porous medium. Journal of Fluid Mechanics, 2008, 594, 379-398.	3.4	82

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73	The transverse magnetic reflectivity minimum of metals. Optics Express, 2008, 16, 7580.	3.4	7
74	On a class of buckling problems in a singularly perturbed domain. Quarterly Journal of Mechanics and Applied Mathematics, 2008, 62, 89-103.	1.3	8
75	Wrinkling of Pre-stressed Annular Thin Films under Azimuthal Shearing. Mathematics and Mechanics of Solids, 2008, 13, 513-531.	2.4	19
76	Neutral modes of a two-dimensional vortex and their link to persistent cat's eyes. Physics of Fluids, 2008, 20, 027101.	4.0	6
77	On the linear stability of Stokes layers. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 2685-2697.	3.4	8
78	The linear stability of high-frequency flow in a torsionally oscillating cylinder. Journal of Fluid Mechanics, 2007, 576, 491-505.	3.4	11
79	Boundary tracing and boundary value problems: I. Theory. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2007, 463, 1909-1924.	2.1	5
80	Boundary tracing and boundary value problems: II. Applications. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2007, 463, 1925-1938.	2.1	4
81	Boundary layers and stress concentration in the circular shearing of annular thin films. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2007, 463, 3037-3053.	2.1	13
82	Pulse-train solutions of a spatially heterogeneous amplitude equation arising in the subcritical instability of narrow gap spherical Couette flow. Physica D: Nonlinear Phenomena, 2007, 228, 1-30.	2.8	3
83	Effects of orthotropy and variation of Poisson's ratio on the behaviour of tubes in pure flexure. Journal of the Mechanics and Physics of Solids, 2007, 55, 1086-1102.	4.8	19
84	On the wrinkling of a pre-stressed annular thin film in tension. Journal of the Mechanics and Physics of Solids, 2007, 55, 1601-1617.	4.8	55
85	The stability of a pre-stressed annular thin film in tension. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 4040007-4040008.	0.2	0
86	The linear stability of high-frequency oscillatory flow in a channel. Journal of Fluid Mechanics, 2006, 556, 1.	3.4	62
87	Longitudinally inhomogeneous deformation patterns in isotropic tubes under pure bending. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2006, 462, 817-838.	2.1	30
88	Exact solutions of the Laplace–Young equation. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2006, 462, 3645-3656.	2.1	15
89	Front propagation in a phase field model with phase-dependent heat absorption. Physica D: Nonlinear Phenomena, 2006, 215, 127-136.	2.8	3
90	Non-axisymmetric $\alpha^2\Omega$-dynamo waves in thin stellar shells. Geophysical and Astrophysical Fluid Dynamics, 2005, 99, 309-336.	1.2	15

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91	The asymptotics of neutral curve crossing in Taylor–Dean flow. Zeitschrift Fur Angewandte Mathematik Und Physik, 2005, 57, 76-93.	1.4	1
92	Numerical Stability Criteria for Localized Post-buckling Solutions in a Strut-on-Foundation Model. Journal of Applied Mechanics, Transactions ASME, 2004, 71, 334-341.	2.2	4
93	Vortex motion in a weak background shear flow. Journal of Fluid Mechanics, 2004, 509, 281-304.	3.4	6
94	On finite-amplitude subcritical instability in narrow-gap spherical Couette flow. Journal of Fluid Mechanics, 2004, 499, 277-314.	3.4	4
95	Book Review of <i>Theory and Computation in Hydrodynamic Stability</i>, by W.O. Criminale, T.L. Jackson and R.D. Joslin, in series Cambridge Monographs in Mechanics, Cambridge University Press, 2003, XXII+441 pp., £60, $90, hardback (ISBN 0-521-63200-5).. Geophysical and Astrophysical Fluid Dynamics, 2004, 98, 171-172.	1.2	0
96	Elasto-plastic localised responses in one-dimensional structural models. Journal of Engineering Mathematics, 2003, 47, 83-100.	1.2	7
97	Global bifurcation to travelling waves with application to narrow gap spherical Couette flow. Physica D: Nonlinear Phenomena, 2003, 177, 122-174.	2.8	7
98	The effect of fine structure on the stability of planar vortices. European Journal of Mechanics, B/Fluids, 2003, 22, 179-198.	2.5	12
99	Forced convection past a heated cylinder in a porous medium using a thermal nonequilibrium model: boundary layer analysis. European Journal of Mechanics, B/Fluids, 2003, 22, 473-486.	2.5	15
100	The Nonparallel Evolution of Nonlinear Short Waves in Buoyant Boundary Layers. Studies in Applied Mathematics, 2003, 110, 139-156.	2.4	1
101	The Effect of Viscosity on the Stability of Planar Vortices with Fine Structure. Quarterly Journal of Mechanics and Applied Mathematics, 2003, 56, 649-657.	1.3	3
102	Görtler vortices in the Rayleigh layer on an impulsively started cylinder. Physics of Fluids, 2002, 14, 2948-2956.	4.0	8
103	The linear stability of flat Stokes layers. Journal of Fluid Mechanics, 2002, 464, 393-410.	3.4	74
104	Nonlinear wind-up in a strained planar vortex. European Journal of Mechanics, B/Fluids, 2002, 21, 293-306.	2.5	7
105	Solitary wave interaction phenomena in a strut buckling model incorporating restabilisation. Physica D: Nonlinear Phenomena, 2002, 163, 26-48.	2.8	41
106	Convective Plume Paths in Anisotropic Porous Media. Transport in Porous Media, 2002, 49, 9-25.	2.6	14
107	Advection-diffusion of a passive scalar in the flow of a decaying vortex. , 2002, , 31-36.		1
108	Accelerated diffusion in the centre of a vortex. Journal of Fluid Mechanics, 2001, 437, 395-411.	3.4	89

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109	Nonlinear αΩ-dynamo waves in stellar shells. Geophysical and Astrophysical Fluid Dynamics, 2001, 94, 85-133.	1.2	9
110	On the frontal condition for finite amplitude αΩ-dynamo wave trains in stellar shells. Geophysical and Astrophysical Fluid Dynamics, 2001, 95, 285-328.	1.2	0
111	Three-dimensional inviscid waves in buoyant boundary layer flows. Fluid Dynamics Research, 2001, 28, 89-109.	1.3	2
112	Convective plumes in porous media: the effect of asymmetrically placed boundaries. International Communications in Heat and Mass Transfer, 2001, 28, 31-38.	5.6	5
113	Alpha-Quenched αΩ-Dynamo Waves in Stellar Shells. , 2001, , 297-304.		2
114	Characterization of limiting homoclinic behaviour in a one-dimensional elastic buckling model. Journal of the Mechanics and Physics of Solids, 2000, 48, 2297-2313.	4.8	13
115	The onset of Darcy-Bï¿½nard convection in an inclined layer heated from below. Acta Mechanica, 2000, 144, 103-118.	2.1	77
116	An inhomogeneous Landau equation with application to spherical Couette flow in the narrow gap limit. Physica D: Nonlinear Phenomena, 2000, 137, 260-276.	2.8	14
117	Restabilization in structures susceptible to localized buckling: an approximate method for the extended post-buckling regime. Journal of Engineering Mathematics, 2000, 38, 77-90.	1.2	10
118	New similarity solutions of the unsteady incompressible boundary-layer equations. Quarterly Journal of Mechanics and Applied Mathematics, 2000, 53, 175-206.	1.3	53
119	The effect of wall cooling on compressible Görtler vortices. European Journal of Mechanics, B/Fluids, 2000, 19, 37-68.	2.5	3
120	The relaxation of vorticity fluctuations in approximately elliptical streamlines. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2000, 456, 295-314.	2.1	9
121	Diffusion driven instability in an inhomogeneous circular domain. Mathematical and Computer Modelling, 1999, 29, 53-66.	2.0	5
122	Similarity Reductions and Exact Solutions for the Two-Dimensional Incompressible Navier-Stokes Equations. Studies in Applied Mathematics, 1999, 103, 183-240.	2.4	44
123	On a Painlevé II Model in Steady Electrolysis: Application of a Bäcklund Transformation. Journal of Mathematical Analysis and Applications, 1999, 240, 367-381.	1.0	26
124	A nonlinear dynamo wave riding on a spatially varying background. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 1999, 455, 1443-1481.	2.1	23
125	Effects of exponentially small terms in the perturbation approach to localized buckling. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 1999, 455, 2351-2370.	2.1	22
126	The spiral wind-up and dissipation of vorticity and a passive scalar in a strained planar vortex. Journal of Fluid Mechanics, 1999, 398, 245-270.	3.4	30

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127	Application of Uniform Asymptotics to the Second Painlevé Transcendent. Archive for Rational Mechanics and Analysis, 1998, 143, 241-271.	2.4	38
128	Nonclassical symmetry reductions of the three-dimensional incompressible Navier-Stokes equations. Journal of Physics A, 1998, 31, 7965-7980.	1.6	31
129	Finite amplitude thermal inertial waves in a rotating fluid layer. Geophysical and Astrophysical Fluid Dynamics, 1998, 87, 193-214.	1.2	5
130	The spiral wind-up of vorticity in an inviscid planar vortex. Journal of Fluid Mechanics, 1998, 371, 109-140.	3.4	69
131	Long wavelength vortices in time-periodic flows. Journal of the Australian Mathematical Society Series B Applied Mathematics, 1998, 39, 498-512.	0.2	0
132	Neutrally stable wave motions in thermally stratified Poiseuille-Couette flow. Journal of the Australian Mathematical Society Series B Applied Mathematics, 1998, 40, 123-144.	0.2	2
133	Application of the isomonodromy deformation method to the fourth Painlevé equation. Inverse Problems, 1997, 13, 421-439.	2.0	8
134	Backlund Transformations and Solution Hierarchies for the Third Painleve Equation. Studies in Applied Mathematics, 1997, 98, 139-194.	2.4	68
135	Nonlinear equilibration of a dynamo in a smooth helical flow. Journal of Fluid Mechanics, 1997, 343, 375-406.	3.4	19
136	Instability of hypersonic flow over a cone. Journal of Fluid Mechanics, 1997, 345, 383-411.	3.4	12
137	Oxygen Diffusion in Tissue Preparations with Michaelis–Menten Kinetics. Journal of Theoretical Biology, 1997, 185, 119-127.	1.7	17
138	The Existence of Görtler Vortices in Separated Boundary Layers. Studies in Applied Mathematics, 1996, 96, 247-271.	2.4	1
139	Free convection from a heated vertical cylinder embedded in a fluid-saturated porous medium. Acta Mechanica, 1996, 116, 139-151.	2.1	30
140	The Blasius boundary-layer flow of a micropolar fluid. International Journal of Engineering Science, 1996, 34, 113-124.	5.0	132
141	Localised rotating convection induced by topography. Physica D: Nonlinear Phenomena, 1996, 97, 29-44.	2.8	4
142	The effects of suction on the nonlinear stability of a three-dimensional compressible boundary layer. IMA Journal of Applied Mathematics, 1996, 56, 183-206.	1.6	9
143	Bäcklund Transformations and Solution Hierarchies for the Fourth Painlevé Equation. Studies in Applied Mathematics, 1995, 95, 1-71.	2.4	69
144	Receptivity mechanisms for Görtler vortex modes. Theoretical and Computational Fluid Dynamics, 1995, 7, 317-339.	2.2	16

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145	THE LINEAR VORTEX INSTABILITY OF FLOW INDUCED BY A HORIZONTAL HEATED SURFACE IN A POROUS MEDIUM. Quarterly Journal of Mechanics and Applied Mathematics, 1995, 48, 1-19.	1.3	6
146	NONLINEAR INSTABILITY OF VISCOUS MODES IN HYPERSONIC FLOW PAST A WEDGE. Quarterly Journal of Mechanics and Applied Mathematics, 1994, 47, 557-582.	1.3	4
147	THE EFFECT OF CROSSFLOW ON TAYLOR VORTICES. Quarterly Journal of Mechanics and Applied Mathematics, 1994, 47, 323-339.	1.3	2
148	Strongly nonlinear convection cells in a rapidly rotating fluid layer. Geophysical and Astrophysical Fluid Dynamics, 1994, 76, 223-238.	1.2	43
149	The linear wave instability of boundary layer flow induced by a horizontal heated surface in porous media. International Communications in Heat and Mass Transfer, 1994, 21, 143-150.	5.6	8
150	New exact solutions of the discrete fourth Painleve´equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 194, 358-370.	2.1	13
151	Nonlinear high-wavenumber BÃ©nard convection. IMA Journal of Applied Mathematics, 1994, 52, 51-77.	1.6	17
152	Nonlinear Development of Viscous Gertler Vortices in a Threeâ€Dimensional Boundary Layer. Studies in Applied Mathematics, 1994, 92, 17-39.	2.4	2
153	The nonlinear non-parallel wave instability of boundary-layer flow induced by a horizontal heated surface in porous media. Journal of Fluid Mechanics, 1993, 253, 267.	3.4	23
154	Weakly nonlinear stability of viscous vortices in three-dimensional boundary layers. Journal of Fluid Mechanics, 1993, 249, 597.	3.4	8
155	Numerical studies of the fourth PainlevÃ© equation. IMA Journal of Applied Mathematics, 1993, 50, 167-193.	1.6	27
156	TIME-DEPENDENT INVISCID VORTICES IN THREE-DIMENSIONAL BOUNDARY LAYERS. Quarterly Journal of Mechanics and Applied Mathematics, 1992, 45, 339-362.	1.3	2
157	Vortex instabilities in three-dimensional boundary layers: the relationship between GÃ¶rtler and crossflow vortices. Journal of Fluid Mechanics, 1991, 232, 647.	3.4	25
158	On the Instability of GÃ¶rtler Vortices to Nonlinear Travelling Waves. IMA Journal of Applied Mathematics, 1991, 46, 269-296.	1.6	2
159	Some exact solutions for free convective flows over heated semi-infinite surfaces in porous media. International Journal of Heat and Mass Transfer, 1991, 34, 1564-1567.	4.8	21
160	CONCERNING THE INTERACTION OF NON-STATIONARY CROSSFLOW VORTICES IN A THREE-DIMENSIONAL BOUNDARY LAYER. Quarterly Journal of Mechanics and Applied Mathematics, 1991, 44, 147-172.	1.3	8
161	The onset of three-dimensionality and time-dependence in GÃ¶rtler vortices: neutrally stable wavy modes. Journal of Fluid Mechanics, 1990, 220, 661-672.	3.4	6
162	Long-wave/short-wave interactions in flow between concentric cylinders. Journal of Fluid Mechanics, 1990, 215, 525.	3.4	1

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163	ON THE EFFECT OF CROSSFLOW ON NONLINEAR GÃ—RTLER VORTICES IN CURVED CHANNEL FLOWS. Quarterly Journal of Mechanics and Applied Mathematics, 1989, 42, 495-510.	1.3	4
164	On the Generation of Mean Flows by the Interaction of GÃ¶rtler Vortices and Tollmienâ€€Schlichting Waves in Curved Channel Flows. Studies in Applied Mathematics, 1989, 81, 185-219.	2.4	14
165	Weakly Nonlinear Lower-Branch Stability of Fully Developed and Developing Free-Surface Flows. IMA Journal of Applied Mathematics, 1989, 42, 269-301.	1.6	3
166	Upper-Branch Instability of Flow in Pipes of Large Aspect Ratio with Three-Dimensional Nonlinear Viscous Critical Layers. IMA Journal of Applied Mathematics, 1989, 42, 119-145.	1.6	1
167	An inversion method of Gel'fand-Levitan type for the electromagnetic induction problem. Geophysical Journal International, 1988, 92, 111-123.	2.4	0
168	Modelling topographic waves in a polar basin. Geophysical and Astrophysical Fluid Dynamics, 0, , 1-19.	1.2	0