Andrew P Bassom

List of Publications by Year
in descending order

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168	2,326	279798	289244
papers	citations	23 h-index	40 g-index

174	174	174	1155
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Blasius boundary-layer flow of a micropolar fluid. International Journal of Engineering Science, 1996, 34, 113-124.	5.0	132
2	Accelerated diffusion in the centre of a vortex. Journal of Fluid Mechanics, 2001, 437, 395-411.	3.4	89
3	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
4	The onset of Darcy-Bï¿½nard convection in an inclined layer heated from below. Acta Mechanica, 2000, 144, 103-118.	2.1	77
5	The linear stability of flat Stokes layers. Journal of Fluid Mechanics, 2002, 464, 393-410.	3.4	74
6	BÃcklund Transformations and Solution Hierarchies for the Fourth PainlevÃ© Equation. Studies in Applied Mathematics, 1995, 95, 1-71.	2.4	69
7	The spiral wind-up of vorticity in an inviscid planar vortex. Journal of Fluid Mechanics, 1998, 371, 109-140.	3.4	69
8	Backlund Transformations and Solution Hierarchies for the Third Painleve Equation. Studies in Applied Mathematics, 1997, 98, 139-194.	2.4	68
9	The linear stability of high-frequency oscillatory flow in a channel. Journal of Fluid Mechanics, 2006, 556, 1.	3.4	62
10	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
11	New similarity solutions of the unsteady incompressible boundary-layer equations. Quarterly Journal of Mechanics and Applied Mathematics, 2000, 53, 175-206.	1.3	53
12	Similarity Reductions and Exact Solutions for the Two-Dimensional Incompressible Navier-Stokes Equations. Studies in Applied Mathematics, 1999, 103, 183-240.	2.4	44
13	Strongly nonlinear convection cells in a rapidly rotating fluid layer. Geophysical and Astrophysical Fluid Dynamics, 1994, 76, 223-238.	1.2	43
14	Solitary wave interaction phenomena in a strut buckling model incorporating restabilisation. Physica D: Nonlinear Phenomena, 2002, 163, 26-48.	2.8	41
15	Application of Uniform Asymptotics to the Second PainlevÃ© Transcendent. Archive for Rational Mechanics and Analysis, 1998, 143, 241-271.	2.4	38
16	Nonclassical symmetry reductions of the three-dimensional incompressible Navier-Stokes equations. Journal of Physics A, 1998, 31, 7965-7980.	1.6	31
17	Free convection from a heated vertical cylinder embedded in a fluid-saturated porous medium. Acta Mechanica, 1996, 116, 139-151.	2.1	30
18	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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19	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
20	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
21	Numerical studies of the fourth PainlevÃ© equation. IMA Journal of Applied Mathematics, 1993, 50, 167-193.	1.6	27
22	On a PainlevÃ© II Model in Steady Electrolysis: Application of a BÃcklund Transformation. Journal of Mathematical Analysis and Applications, 1999, 240, 367-381.	1.0	26
23	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
24	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
25	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
26	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
27	An asymptotic description of the elastic instability of twisted thin elastic plates. Acta Mechanica, 2008, 200, 59-68.	2.1	23
28	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
29	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
30	A mesoscopic model for thermalâ€“solutal problems of power-law fluids through porous media. Physics of Fluids, 2021, 33, .	4.0	22
31	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
32	Nonlinear development of two-layer Couetteâ€“Poiseuille flow in the presence of surfactant. Physics of Fluids, 2010, 22, .	4.0	20
33	Using surfactants to stabilize two-phase pipe flows of coreâ€“annular type. Journal of Fluid Mechanics, 2012, 704, 333-359.	3.4	20
34	Nonlinear equilibration of a dynamo in a smooth helical flow. Journal of Fluid Mechanics, 1997, 343, 375-406.	3.4	19
35	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
36	Wrinkling of Pre-stressed Annular Thin Films under Azimuthal Shearing. Mathematics and Mechanics of Solids, 2008, 13, 513-531.	2.4	19

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37	Evolution of disturbance wavepackets in an oscillatory Stokes layer. Journal of Fluid Mechanics, 2014, 752, 543-571.	3.4	18
38	The linear stability of a Stokes layer subjected to high-frequency perturbations. Journal of Fluid Mechanics, 2015, 764, 193-218.	3.4	18
39	Nonlinear high-wavenumber BÃ©nard convection. IMA Journal of Applied Mathematics, 1994, 52, 51-77.	1.6	17
40	Oxygen Diffusion in Tissue Preparations with Michaelisâ€“Menten Kinetics. Journal of Theoretical Biology, 1997, 185, 119-127.	1.7	17
41	The effect of a piggyback cylinder on the flow characteristics in oscillatory flow. Ocean Engineering, 2013, 62, 45-55.	4.3	17
42	Receptivity mechanisms for Gï¿½rtler vortex modes. Theoretical and Computational Fluid Dynamics, 1995, 7, 317-339.	2.2	16
43	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
44	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
45	Non-axisymmetric Î±2Î©-dynamo waves in thin stellar shells. Geophysical and Astrophysical Fluid Dynamics, 2005, 99, 309-336.	1.2	15
46	Exact solutions of the Laplaceâ€“Young equation. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2006, 462, 3645-3656.	2.1	15
47	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
48	On the nonlinear membrane approximation and edge-wrinkling. International Journal of Solids and Structures, 2016, 82, 85-94.	2.7	15
49	Asymptotic limits and wrinkling patterns in a pressurised shallow spherical cap. International Journal of Non-Linear Mechanics, 2016, 81, 8-18.	2.6	15
50	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
51	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
52	Convective Plume Paths in Anisotropic Porous Media. Transport in Porous Media, 2002, 49, 9-25.	2.6	14
53	Direct numerical simulations of small disturbances in the classical Stokes layer. Journal of Engineering Mathematics, 2010, 68, 327-338.	1.2	14
54	The onset of strongly localized thermal convection in rotating spherical shells. Journal of Fluid Mechanics, 2011, 689, 376-416.	3.4	14

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55	Conservation Laws and Integral Relations for the Boussinesq Equation. Studies in Applied Mathematics, 2017, 139, 104-128.	2.4	14
56	New exact solutions of the discrete fourth PainleveÂ´equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 194, 358-370.	2.1	13
57	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
58	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
59	Instability of hypersonic flow over a cone. Journal of Fluid Mechanics, 1997, 345, 383-411.	3.4	12
60	The effect of fine structure on the stability of planar vortices. European Journal of Mechanics, B/Fluids, 2003, 22, 179-198.	2.5	12
61	The linear stability of high-frequency flow in a torsionally oscillating cylinder. Journal of Fluid Mechanics, 2007, 576, 491-505.	3.4	11
62	Linear Stability of a Developing Thermal Front Induced by a Constant Heat Flux. Transport in Porous Media, 2013, 99, 493-513.	2.6	11
63	The effect of a normal electric field on wave propagation on a fluid film. Physics of Fluids, 2014, 26, 012107.	4.0	11
64	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
65	Asymptotic phenomena in pressurized thin films. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2015, 471, 20150471.	2.1	10
66	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
67	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
68	Nonlinear Î±2Î©-dynamo waves in stellar shells. Geophysical and Astrophysical Fluid Dynamics, 2001, 94, 85-133.	1.2	9
69	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
70	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
71	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
72	Weakly nonlinear stability of viscous vortices in three-dimensional boundary layers. Journal of Fluid Mechanics, 1993, 249, 597.	3.4	8

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73	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
74	Application of the isomonodromy deformation method to the fourth PainlevÃ© equation. Inverse Problems, 1997, 13, 421-439.	2.0	8
75	GÃ¶rtler vortices in the Rayleigh layer on an impulsively started cylinder. Physics of Fluids, 2002, 14, 2948-2956.	4.0	8
76	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
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	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
79	Nonlinear wind-up in a strained planar vortex. European Journal of Mechanics, B/Fluids, 2002, 21, 293-306.	2.5	7
80	Elasto-plastic localised responses in one-dimensional structural models. Journal of Engineering Mathematics, 2003, 47, 83-100.	1.2	7
81	Global bifurcation to travelling waves with application to narrow gap spherical Couette flow. Physica D: Nonlinear Phenomena, 2003, 177, 122-174.	2.8	7
82	The transverse magnetic reflectivity minimum of metals. Optics Express, 2008, 16, 7580.	3.4	7
83	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
84	Water-table response to tidal forcing at sloping beaches. Journal of Engineering Mathematics, 2011, 69, 291-311.	1.2	7
85	Stability of surfactant-laden coreâ€“annular flow and rodâ€“annular flow to non-axisymmetric modes. Journal of Fluid Mechanics, 2013, 716, .	3.4	7
86	An asymptotic solution of a kinematic -dynamo with meridional circulation. Geophysical and Astrophysical Fluid Dynamics, 2013, 107, 667-714.	1.2	7
87	Effects of an axial flow component on the Honji instability. Journal of Fluids and Structures, 2014, 49, 614-639.	3.4	7
88	On the Role of In-Plane Compliance in Edge Wrinkling. Journal of Elasticity, 2017, 126, 135-154.	1.9	7
89	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
90	On integrable Ermakovâ€“PainlevÃ© IV systems. Journal of Mathematical Analysis and Applications, 2018, 462, 1225-1241.	1.0	7

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91	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
92	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
93	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
94	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
95	Vortex motion in a weak background shear flow. Journal of Fluid Mechanics, 2004, 509, 281-304.	3.4	6
96	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
97	Neutral modes of a two-dimensional vortex and their link to persistent catâ€™s eyes. Physics of Fluids, 2008, 20, 027101.	4.0	6
98	Dean vortices in finite-aspect-ratio ducts. Journal of Fluid Mechanics, 2013, 716, .	3.4	6
99	A MATHEMATICAL MODEL FOR CELL-INDUCED GEL COMPACTION IN VITRO. Mathematical Models and Methods in Applied Sciences, 2013, 23, 127-163.	3.3	6
100	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
101	Finite amplitude thermal inertial waves in a rotating fluid layer. Geophysical and Astrophysical Fluid Dynamics, 1998, 87, 193-214.	1.2	5
102	Diffusion driven instability in an inhomogeneous circular domain. Mathematical and Computer Modelling, 1999, 29, 53-66.	2.0	5
103	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
104	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
105	The Dean instability for shear-thinning fluids. Journal of Non-Newtonian Fluid Mechanics, 2013, 198, 125-135.	2.4	5
106	Weakly Nonlinear Convection in a Porous Layer with Multiple Horizontal Partitions. Transport in Porous Media, 2014, 103, 437-448.	2.6	5
107	Singularities and wrinkling: The case of a concentrated force. International Journal of Engineering Science, 2016, 106, 229-244.	5.0	5
108	Delineation of fault segments in mines using seismic source mechanisms and location uncertainty. Journal of Applied Geophysics, 2019, 170, 103828.	2.1	5

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109	Singular Perturbations and Torsional Wrinkling in a Truncated Hemispherical Thin Elastic Shell. Journal of Elasticity, 2022, 150, 197-220.	1.9	5
110	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
111	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
112	Localised rotating convection induced by topography. Physica D: Nonlinear Phenomena, 1996, 97, 29-44.	2.8	4
113	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
114	On finite-amplitude subcritical instability in narrow-gap spherical Couette flow. Journal of Fluid Mechanics, 2004, 499, 277-314.	3.4	4
115	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
116	Diffusion and the formation of vorticity staircases in randomly strained two-dimensional vortices. Journal of Fluid Mechanics, 2009, 638, 49-72.	3.4	4
117	Interfacial behaviour in two-fluid Taylorâ€“Couette flow. Quarterly Journal of Mechanics and Applied Mathematics, 2018, 71, 79-97.	1.3	4
118	The Inclined Wooding Problem. Transport in Porous Media, 2018, 125, 465-482.	2.6	4
119	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
120	The effect of wall cooling on compressible GÃ¶rtler vortices. European Journal of Mechanics, B/Fluids, 2000, 19, 37-68.	2.5	3
121	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
122	Front propagation in a phase field model with phase-dependent heat absorption. Physica D: Nonlinear Phenomena, 2006, 215, 127-136.	2.8	3
123	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
124	The linear stability of a Stokes layer with an imposed axial magnetic field. Journal of Fluid Mechanics, 2010, 662, 320-328.	3.4	3
125	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
126	Accurate approximations for planetary and gravity waves in a polar basin. Tellus, Series A: Dynamic Meteorology and Oceanography, 2019, 71, 1618133.	1.7	3

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127	Modified Rayleighâ€“BÃ©nard convection driven by long-wavelength heating from above and below. Theoretical and Computational Fluid Dynamics, 2019, 33, 37-57.	2.2	3
128	Simulating Mining-Induced Seismicity Using the Material Point Method. Rock Mechanics and Rock Engineering, 2021, 54, 4483-4503.	5.4	3
129	Axially compressed thin cylindrical shells: Asymptotic limits for a nonlinear basic state. International Journal of Non-Linear Mechanics, 2022, 138, 103848.	2.6	3
130	On the Instability of GÃ¶rtler Vortices to Nonlinear Travelling Waves. IMA Journal of Applied Mathematics, 1991, 46, 269-296.	1.6	2
131	TIME-DEPENDENT INVISCID VORTICES IN THREE-DIMENSIONAL BOUNDARY LAYERS. Quarterly Journal of Mechanics and Applied Mathematics, 1992, 45, 339-362.	1.3	2
132	THE EFFECT OF CROSSFLOW ON TAYLOR VORTICES. Quarterly Journal of Mechanics and Applied Mathematics, 1994, 47, 323-339.	1.3	2
133	Nonlinear Development of Viscous Gertler Vortices in a Threeâ€Dimensional Boundary Layer. Studies in Applied Mathematics, 1994, 92, 17-39.	2.4	2
134	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
135	Three-dimensional inviscid waves in buoyant boundary layer flows. Fluid Dynamics Research, 2001, 28, 89-109.	1.3	2
136	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
137	BATCH PROCESSING IN A GLASS FURNACE. ANZIAM Journal, 2015, 57, 175-188.	0.2	2
138	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
139	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
140	Topographic Rossby waves in a polar basin. Journal of Fluid Mechanics, 2020, 899, .	3.4	2
141	Large-time solutions of a class of scalar, nonlinear hyperbolic reactionâ€“diffusion equations. Journal of Engineering Mathematics, 2021, 130, 1.	1.2	2
142	Alpha-Quenched Î±2Î©-Dynamo Waves in Stellar Shells. , 2001, , 297-304.		2
143	Simulating hydraulic fracturing preconditioning in mines with the material point method. Journal of Applied Geophysics, 2021, 195, 104471.	2.1	2
144	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

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145	Long-wave/short-wave interactions in flow between concentric cylinders. Journal of Fluid Mechanics, 1990, 215, 525.	3.4	1
146	The Existence of GÃ¶rtler Vortices in Separated Boundary Layers. Studies in Applied Mathematics, 1996, 96, 247-271.	2.4	1
147	The Nonparallel Evolution of Nonlinear Short Waves in Buoyant Boundary Layers. Studies in Applied Mathematics, 2003, 110, 139-156.	2.4	1
148	The asymptotics of neutral curve crossing in Taylorâ€“Dean flow. Zeitschrift Fur Angewandte Mathematik Und Physik, 2005, 57, 76-93.	1.4	1
149	The Linear Impulse Response for Disturbances in an Oscillatory Stokes Layer. Procedia IUTAM, 2015, 14, 381-384.	1.2	1
150	Frequency staircases in narrow-gap spherical Couette flow. Geophysical and Astrophysical Fluid Dynamics, 2016, 110, 166-197.	1.2	1
151	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
152	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
153	TRUCK SAFETY BARRIERS FOR MINING SITES. ANZIAM Journal, 2017, 59, 35-50.	0.2	1
154	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
155	Eigen-transitions in cantilever cylindrical shells subjected to vertical edge loads. Mathematics and Mechanics of Solids, 2019, 24, 701-722.	2.4	1
156	New complex-valued solutions of PainlevÃ© IV: An application to the nonlinear SchrÃ¶dinger equation. Applied Mathematics Letters, 2020, 101, 106060.	2.7	1
157	Planetary waves in polar basins: Some exact solutions. Applied Mathematics Letters, 2021, 117, 107121.	2.7	1
158	Advection-diffusion of a passive scalar in the flow of a decaying vortex. , 2002, , 31-36.		1
159	An inversion method of Gel'fand-Levitan type for the electromagnetic induction problem. Geophysical Journal International, 1988, 92, 111-123.	2.4	0
160	Long wavelength vortices in time-periodic flows. Journal of the Australian Mathematical Society Series B Applied Mathematics, 1998, 39, 498-512.	0.2	0
161	On the frontal condition for finite amplitude Î±2Î©-dynamo wave trains in stellar shells. Geophysical and Astrophysical Fluid Dynamics, 2001, 95, 285-328.	1.2	0
162	Book Review of Theory and Computation in Hydrodynamic Stability, by W.O. Criminale, T.L. Jackson and R.D. Joslin, in series Cambridge Monographs in Mechanics, Cambridge University Press, 2003, XXII+441 pp., Â£60, $90, hardback (ISBN 0-521-63200-5).. Geophysical and Astrophysical Fluid Dynamics, 2004, 98, 171-172.	1.2	0

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163	The stability of a pre-stressed annular thin film in tension. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 4040007-4040008.	0.2	0
164	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
165	The linear impulse response for disturbances in an oscillatory stokes layer. , 2013, , .		0
166	The large-time asymptotic solution of the mKdV equation. European Journal of Applied Mathematics, 2015, 26, 931-943.	2.9	0
167	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
168	Modelling topographic waves in a polar basin. Geophysical and Astrophysical Fluid Dynamics, 0, , 1-19.	1.2	0