RHJGrimshaw

List of Publications by Year
in descending order

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365 papers	9,152 citations	41323 49 h-index	71651 76 g-index
376 all docs	376 docs citations	376 times ranked	2602 citing authors

#	Article	IF	Citations
1	Amplification of Wave Groups in the Forced Nonlinear SchrÃ¶dinger Equation. Fluids, 2022, 7, 233.	0.8	6
2	Resonant coupling of mode-1 and mode-2 internal waves by topography. Journal of Fluid Mechanics, 2021, 908, .	1.4	3
3	Wavefronts and modal structure of long surface and internal ring waves on a parallel shear current. Journal of Fluid Mechanics, 2021, 927, .	1.4	2
4	Intricate dynamics of rogue waves governed by the Sasaâ€“Satsuma equation. Physica D: Nonlinear Phenomena, 2020, 402, 132252.	1.3	21
5	Emergence of Envelope Solitary Waves from Initial Localized Pulses within the Ostrovsky Equation. Radiophysics and Quantum Electronics, 2020, 63, 21-28.	0.1	4
6	Generation of nonlinear internal waves by flow over topography: Rotational effects. Physical Review E, 2020, 101, 033104.	0.8	4
7	Transcritical flow over obstacles and holes: Forced extended Kortewegâ€“de Vries framework. Physical Review Fluids, 2020, 5, .	1.0	1
8	The interaction of a mode-1 internal solitary wave with a step and the generation of mode-2 waves. Geophysical and Astrophysical Fluid Dynamics, 2019, 113, 327-347.	0.4	5
9	Generation of mode 2 internal waves by the interaction of mode 1 waves with topography. Journal of Fluid Mechanics, 2019, 880, 799-830.	1.4	7
10	Transcritical flow over obstacles and holes: forced Kortewegâ€“de Vries framework. Journal of Fluid Mechanics, 2019, 881, 660-678.	1.4	8
11	High-order rogue waves and their dynamics of the Fokasâ€“Lenells equation revisited: a variable separation technique. Nonlinear Dynamics, 2019, 98, 2067-2077.	2.7	10
12	Two-dimensional modulation instability of wind waves. Journal of Ocean Engineering and Marine Energy, 2019, 5, 413-417.	0.9	4
13	Initial conditions for the cylindrical Kortewegâ€de Vries equation. Studies in Applied Mathematics, 2019, 143, 176-191.	1.1	8
14	Brief communication: Modulation instability of internal waves in a smoothly stratified shallow fluid with a constant buoyancy frequency. Natural Hazards and Earth System Sciences, 2019, 19, 583-587.	1.5	4
15	Generation of Wave Groups by Shear Layer Instability. Fluids, 2019, 4, 39.	0.8	6
16	Modulation instability and rogue waves for shear flows with a free surface. Physical Review Fluids, 2019, 4, .	1.0	4
17	The Evolution of Internal Undular Bores over a Slope in the Presence of Rotation. Studies in Applied Mathematics, 2018, 140, 465-482.	1.1	6
18	Internal solitary wave generation by tidal flow over topography. Journal of Fluid Mechanics, 2018, 839, 387-407.	1.4	16

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19	Decay of Kadomtsevâ€“Petviashvili lumps in dissipative media. Physica D: Nonlinear Phenomena, 2018, 366, 43-50.	1.3	11
20	The Propagation of Internal Solitary Waves over Variable Topography in a Horizontally Two-Dimensional Framework. Journal of Physical Oceanography, 2018, 48, 283-300.	0.7	16
21	The evolution of second mode internal solitaryÂwaves over variable topography. Journal of Fluid Mechanics, 2018, 836, 238-259.	1.4	27
22	Generation of Wave Groups. Procedia IUTAM, 2018, 26, 92-101.	1.2	1
23	The Effect of a Variable Background Density Stratification and Current on Oceanic Internal Solitary Waves. Fluids, 2018, 3, 96.	0.8	1
24	Topographic effect on oblique internal waveâ€“wave interactions. Journal of Fluid Mechanics, 2018, 856, 36-60.	1.4	12
25	Fast and slow resonant triads in the two-layer rotating shallow water equations. Journal of Fluid Mechanics, 2018, 850, 18-45.	1.4	1
26	Preface: Nonlinear waves and chaos. Nonlinear Processes in Geophysics, 2018, 25, 477-479.	0.6	0
27	Modeling internal rogue waves in a long wave-short wave resonance framework. Physical Review Fluids, 2018, 3, .	1.0	10
28	Nonlinear Periodic and Solitary Water Waves on Currents in Shallow Water. Studies in Applied Mathematics, 2017, 139, 60-77.	1.1	4
29	Radiating solitary waves in coupled Boussinesq equations. IMA Journal of Applied Mathematics, 2017, 82, 802-820.	0.8	8
30	Internal solitary waves propagating through variable background hydrology and currents. Ocean Modelling, 2017, 116, 134-145.	1.0	5
31	Modelling and observations of oceanic nonlinear internal wave packets affected by the Earthâ€™s rotation. Ocean Modelling, 2017, 116, 146-158.	1.0	15
32	The Hydrodynamic Nonlinear SchrÃ¶dinger Equation: Space and Time. Fluids, 2016, 1, 23.	0.8	41
33	Depression and elevation tsunami waves in the framework of the Kortewegâ€“de Vries equation. Natural Hazards, 2016, 84, 493-511.	1.6	10
34	Advances in nonlinear wave research for hazard warning and mitigation. Natural Hazards, 2016, 84, 431-436.	1.6	0
35	Transcritical flow over two obstacles: forced Kortewegâ€“de Vries framework. Journal of Fluid Mechanics, 2016, 809, 918-940.	1.4	15
36	Internal breather-like wave generation by the second mode solitary wave interaction with a step. Physics of Fluids, 2016, 28, .	1.6	32

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37	The propagation of internal undular bores over variable topography. Physica D: Nonlinear Phenomena, 2016, 333, 200-207.	1.3	11
38	Rogue waves for a long waveâ€“short wave resonance model with multiple short waves. Nonlinear Dynamics, 2016, 85, 2827-2841.	2.7	23
39	Nonlinear Wave Equations for Oceanic Internal Solitary Waves. Studies in Applied Mathematics, 2016, 136, 214-237.	1.1	15
40	Formation of wave packets in the Ostrovsky equation for both normal and anomalous dispersion. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20150416.	1.0	23
41	Modelling of Polarity Change in a Nonlinear Internal Wave Train in Laoshan Bay. Journal of Physical Oceanography, 2016, 46, 965-974.	0.7	7
42	Modulational Instability and Rogue Waves in Shallow Water Models. Lecture Notes in Physics, 2016, , 135-151.	0.3	3
43	Critical control in transcritical shallow-water flow over two obstacles. Journal of Fluid Mechanics, 2015, 780, 480-502.	1.4	5
44	A coupled â€œABâ€•system: Rogue waves and modulation instabilities. Chaos, 2015, 25, 103113.	1.0	40
45	Change of Polarity for Periodic Waves in the Variableâ€Coefficient Kortewegâ€de Vries Equation. Studies in Applied Mathematics, 2015, 134, 363-371.	1.1	10
46	Breaking the chainlinks of poverty: strategies for social justice. Criminal Justice Matters, 2015, 99, 3-3.	0.0	0
47	Dynamics of Rogue Waves on a Multisoliton Background in a Vector Nonlinear SchrÃ¶dinger Equation. SIAM Journal on Applied Mathematics, 2015, 75, 1-20.	0.8	118
48	Changing forms and sudden smooth transitions of tsunami waves. Journal of Ocean Engineering and Marine Energy, 2015, 1, 145-156.	0.9	9
49	Observation of internal wave polarity conversion generated by a rising tide. Geophysical Research Letters, 2015, 42, 4007-4013.	1.5	11
50	Solitary Waves and Undular Bores in a Mesosphere Duct. Journals of the Atmospheric Sciences, 2015, 72, 4412-4422.	0.6	5
51	Justice and institutional care. Criminal Justice Matters, 2014, 96, 10-11.	0.0	0
52	Coupled Ostrovsky equations for internal waves in a shear flow. Physics of Fluids, 2014, 26, .	1.6	28
53	Rogue wave modes for a derivative nonlinear SchrÃ¶dinger model. Physical Review E, 2014, 89, 032914.	0.8	81
54	Geostrophic adjustment in a closed basin with islands. Journal of Fluid Mechanics, 2014, 738, 358-377.	1.4	2

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55	An extended equatorial plane: linear spectrum and resonant triads. Geophysical and Astrophysical Fluid Dynamics, 2014, 108, 1-19.	0.4	2
56	Combined Effect of Rotation and Topography on Shoaling Oceanic Internal Solitary Waves. Journal of Physical Oceanography, 2014, 44, 1116-1132.	0.7	65
57	On strongly interacting internal waves in a rotating ocean and coupled Ostrovsky equations. Chaos, 2013, 23, 023121.	1.0	19
58	Stability of steady gravity waves generated by a moving localised pressure disturbance in water of finite depth. Physics of Fluids, 2013, 25, 076605.	1.6	15
59	Modified reduced Ostrovsky equation: Integrability and breaking. Physical Review E, 2013, 88, 021201.	0.8	7
60	Coupled Kortewegâ€“de Vries Equations. Understanding Complex Systems, 2013, , 317-333.	0.3	4
61	Steady and unsteady nonlinear internal waves incident on an interface. Quarterly Journal of the Royal Meteorological Society, 2013, 139, 1990-1996.	1.0	5
62	Transcritical flow of a stratified fluid over topography: analysis of the forced Gardner equation. Journal of Fluid Mechanics, 2013, 736, 495-531.	1.4	15
63	Two-soliton interaction as an elementary act of soliton turbulence in integrable systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 272-275.	0.9	60
64	Internal solitary wave transformation over a bottom step: Loss of energy. Physics of Fluids, 2013, 25, .	1.6	41
65	Rogue waves: analytical predictions. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2013, 469, 20130094.	1.0	35
66	Rogue Wave Modes for the Long Waveâ€“Short Wave Resonance Model. Journal of the Physical Society of Japan, 2013, 82, 074001.	0.7	51
67	Experimental study of the effect of rotation on nonlinear internal waves. Physics of Fluids, 2013, 25, .	1.6	41
68	Reflection of an internal wave at an interface representing a rapid increase in viscosity. Geophysical and Astrophysical Fluid Dynamics, 2013, 107, 603-613.	0.4	3
69	Global existence of small-norm solutions in the reduced Ostrovsky equation. Discrete and Continuous Dynamical Systems, 2013, 34, 557-566.	0.5	23
70	Internal solitary waves with a weakly stratified critical layer. Physics of Fluids, 2012, 24, .	1.6	10
71	Thinking of suicide: understanding the risks associated with child institutional care. Criminal Justice Matters, 2012, 90, 38-40.	0.0	1
72	The effect of rotation on internal solitary waves. IMA Journal of Applied Mathematics, 2012, 77, 326-339.	0.8	47

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73	Transformation of a shoaling undular bore. Journal of Fluid Mechanics, 2012, 709, 371-395.	1.4	29
74	Undular bore theory for the Gardner equation. Physical Review E, 2012, 86, 036605.	0.8	83
75	The Reduced Ostrovsky Equation: Integrability and Breaking. Studies in Applied Mathematics, 2012, 129, 414-436.	1.1	39
76	Modelling the effect of bottom sediment transport on beach profiles and wave set-up. Ocean Modelling, 2012, 59-60, 24-30.	1.0	0
77	Nonlinear wave evolution equation for critical layers. Physical Review E, 2012, 86, 046311.	0.8	1
78	Rossby waves and zonons in zonostrophic turbulence. AIP Conference Proceedings, 2012, , .	0.3	7
79	Ernest Oliver Tuck 1939 - 2009. Historical Records of Australian Science, 2012, 23, 187.	0.3	2
80	<i>Preface</i> Large amplitude internal waves in the coastal ocean. Nonlinear Processes in Geophysics, 2011, 18, 653-655.	0.6	9
81	Atmospheric gravity waves in the Red Sea: a new hotspot. Nonlinear Processes in Geophysics, 2011, 18, 71-79.	0.6	11
82	My Story â€“ witnessing narratives of childhood trauma and violence. Criminal Justice Matters, 2011, 86, 43-44.	0.0	0
83	Water Wave Packets Over Variable Depth. Studies in Applied Mathematics, 2011, 126, 409-427.	1.1	32
84	A short comment on the effect of a shear layer on nonlinear water waves. Science China: Physics, Mechanics and Astronomy, 2011, 54, 67-73.	2.0	6
85	Steady transcritical flow over an obstacle: Parametric map of solutions of the forced extended Kortewegâ€“de Vries equation. Physics of Fluids, 2011, 23, 046602.	1.6	6
86	Evolution of solitary waves in a two-pycnocline system. Journal of Fluid Mechanics, 2010, 642, 235-277.	1.4	12
87	Rogue waves â€“ towards a unifying concept?: Discussions and debates. European Physical Journal: Special Topics, 2010, 185, 5-15.	1.2	100
88	Rogue internal waves in the ocean: Long wave model. European Physical Journal: Special Topics, 2010, 185, 195-208.	1.2	53
89	Steady gap solitons in a coupled Kortewegâ€“de Vries system: A dynamical systems approach. Physica D: Nonlinear Phenomena, 2010, 239, 635-639.	1.3	4
90	Homogenization of the variable-speed wave equation. Wave Motion, 2010, 47, 496-507.	1.0	25

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91	Internal solitary waves: propagation, deformation and disintegration. Nonlinear Processes in Geophysics, 2010, 17, 633-649.	0.6	134
92	TRANSCRITICAL FLOW PAST AN OBSTACLE. ANZIAM Journal, 2010, 52, 2-26.	0.3	19
93	Structure formation in the oceanic subsurface bubble layer by an internal wave field. Physics of Fluids, 2010, 22, 106603.	1.6	6
94	Steady transcritical flow over a hole: Parametric map of solutions of the forced Kortewegâ€“de Vries equation. Physics of Fluids, 2010, 22, .	1.6	23
95	Interaction of a large amplitude interfacial solitary wave of depression with a bottom step. Physics of Fluids, 2010, 22, .	1.6	50
96	Nonreflecting Internal Wave Beam Propagation in the Deep Ocean. Journal of Physical Oceanography, 2010, 40, 802-813.	0.7	23
97	The long-time interaction of an eddy with shelf topography. Ocean Modelling, 2010, 32, 25-35.	1.0	13
98	Generation of solitons and breathers in the extended Kortewegâ€“de Vries equation with positive cubic nonlinearity. Chaos, 2010, 20, 013102.	1.0	44
99	â€˜The outsiderâ€™: communication, diversity, and communities. Criminal Justice Matters, 2010, 80, 44-45.	0.0	0
100	Exponential Asymptotics and Generalized Solitary Waves. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2010, , 71-120.	0.3	12
101	The transformation of an interfacial solitary wave of elevation at a bottom step. Nonlinear Processes in Geophysics, 2009, 16, 33-42.	0.6	27
102	My story: young people talk about the trauma in their lives. Criminal Justice Matters, 2009, 75, 47-48.	0.0	1
103	Stability of gravity-capillary waves generated by a moving pressure disturbance in water of finite depth. Physics of Fluids, 2009, 21, .	1.6	22
104	Value of targeting at-risk populations at outreach venues: findings from a local sauna. International Journal of STD and AIDS, 2009, 20, 642-643.	0.5	10
105	Transcritical Flow Over a Hole. Studies in Applied Mathematics, 2009, 122, 235-248.	1.1	11
106	On vorticity waves propagating in a waveguide formed by two critical layers. Journal of Fluid Mechanics, 2009, 629, 161-171.	1.4	1
107	Transcritical shallow-water flow past topography: finite-amplitude theory. Journal of Fluid Mechanics, 2009, 640, 187-214.	1.4	30
108	Asymptotic description of solitary wave trains in fully nonlinear shallow-water theory. Physica D: Nonlinear Phenomena, 2008, 237, 2423-2435.	1.3	33

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109	Gap-solitons in a three-layered stratified flow. Wave Motion, 2008, 45, 758-769.	1.0	2
110	Longâ€time Solutions of the Ostrovsky Equation. Studies in Applied Mathematics, 2008, 121, 71-88.	1.1	62
111	Nonlinear free surface flows past a semi-infinite flat plate in water of finite depth. Physics of Fluids, 2008, 20, .	1.6	6
112	The probation spending crisis. Criminal Justice Matters, 2008, 73, 40-42.	0.0	2
113	Nonlinear Disintegration of the Internal Tide. Journal of Physical Oceanography, 2008, 38, 686-701.	0.7	88
114	Fission of a weakly nonlinear interfacial solitary wave at a step. Geophysical and Astrophysical Fluid Dynamics, 2008, 102, 179-194.	0.4	28
115	The sharp end of politics?. Criminal Justice Matters, 2008, 72, 44-45.	0.0	0
116	Internal Tide Generation at the Continental Shelf Modeled Using a Modal Decomposition: Two-Dimensional Results. Journal of Physical Oceanography, 2007, 37, 428-451.	0.7	63
117	Novel Solitary Pulses for a Variable-Coefficient Derivative Nonlinear SchrÃ¶dinger Equation. Journal of the Physical Society of Japan, 2007, 76, 074004.	0.7	14
118	Solitary wave solution for a non-integrable, variable coefficient nonlinear SchrÃ¶dinger equation. Physica Scripta, 2007, 75, 620-623.	1.2	8
119	Looking at the whole picture: an interview with Naomi Eisenstadt. Criminal Justice Matters, 2007, 69, 20-22.	0.0	0
120	Asymmetric internal solitary waves with a trapped core in deep fluids. Physics of Fluids, 2007, 19, .	1.6	10
121	Reflecting tidal wave beams and local generation of solitary waves in the ocean thermocline. Journal of Fluid Mechanics, 2007, 593, 297-313.	1.4	52
122	Evolution of solitary waves and undular bores in shallow-water flows over a gradual slope with bottom friction. Journal of Fluid Mechanics, 2007, 585, 213-244.	1.4	53
123	Generation of solitary waves by transcritical flow over a step. Journal of Fluid Mechanics, 2007, 587, 235-254.	1.4	26
124	Internal solitary waves in a variable medium. GAMM Mitteilungen, 2007, 30, 96-109.	2.7	16
125	Rossby Solitary Waves in the Presence of a Critical Layer. Studies in Applied Mathematics, 2007, 118, 313-364.	1.1	19
126	Modelling Internal Solitary Waves in the Coastal Ocean. Surveys in Geophysics, 2007, 28, 273-298.	2.1	90

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127	Solitary waves propagating over variable topography. , 2007, , 51-64.		6
128	Unsteady undular bores in fully nonlinear shallow-water theory. Physics of Fluids, 2006, 18, 027104.	1.6	119
129	Probation, the public and what is possible: an interview with Andrew Bridges. Criminal Justice Matters, 2006, 66, 20-22.	0.0	0
130	Modelling internal solitary waves on the Australian North West Shelf. Marine and Freshwater Research, 2006, 57, 265.	0.7	19
131	Modulational instability of two pairs of counter-propagating waves and energy exchange in a two-component system. Physica D: Nonlinear Phenomena, 2006, 214, 1-24.	1.3	26
132	Generalized solitary waves and fronts in coupled Kortewegâ€“de Vries systems. Physica D: Nonlinear Phenomena, 2005, 210, 96-117.	1.3	15
133	Soliton dynamics in a strong periodic field: The Kortewegâ€“de Vries framework. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 344, 203-210.	0.9	4
134	Free surface flow under gravity and surface tension due to an applied pressure distribution II Bond number less than one-third. European Journal of Mechanics, B/Fluids, 2005, 24, 502-521.	1.2	12
135	Rossby Waves on a Shear Flow with Recirculation Cores. Studies in Applied Mathematics, 2005, 115, 387-403.	1.1	13
136	Interactions of breathers and solitons in the extended Kortewegâ€“de Vries equation. Wave Motion, 2005, 43, 158-166.	1.0	98
137	Short-Lived Large-Amplitude Pulses in the Nonlinear Long-Wave Model Described by the Modified Korteweg-De Vries Equation. Studies in Applied Mathematics, 2005, 114, 189-210.	1.1	41
138	Wave Breaking and the Generation of Undular Bores in an Integrable Shallow Water System. Studies in Applied Mathematics, 2005, 114, 395-411.	1.1	28
139	Free surface flow under gravity and surface tension due to an applied pressure distribution: I Bond number greater than one-third. Theoretical and Computational Fluid Dynamics, 2005, 19, 237-252.	0.9	15
140	Solitons in nonintegrable systems. Chaos, 2005, 15, 037101.	1.0	1
141	Analytic model for a weakly dissipative shallow-water undular bore. Chaos, 2005, 15, 037102.	1.0	29
142	Korteweg de-Vries Equation. , 2005, , 1-28.		14
143	Frictional effects on the deep-flow feedback on the -drift of a baroclinic vortex over sloping topography. Deep-Sea Research Part I: Oceanographic Research Papers, 2005, 52, 2156-2167.	0.6	6
144	The Effect of Bubbles on Internal Waves. Journal of Physical Oceanography, 2004, 34, 477-489.	0.7	6

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145	Interaction of two lump solitons described by the Kadomtsevâ€“Petviashvili I equation. Wave Motion, 2004, 40, 123-135.	1.0	68
146	Generation of Secondary Solitary Waves in the Variable-Coefficient Korteweg-de Vries Equation. Studies in Applied Mathematics, 2004, 112, 271-279.	1.1	12
147	A Cancer Research (UK) randomized phase II study of idoxifene in patients with locally advanced/metastatic breast cancer resistant to tamoxifen. Cancer Chemotherapy and Pharmacology, 2004, 53, 341-348.	1.1	25
148	Steady multipolar planar vortices with nonlinear critical layers. Geophysical and Astrophysical Fluid Dynamics, 2004, 98, 473-506.	0.4	15
149	Simulation of the Transformation of Internal Solitary Waves on Oceanic Shelves. Journal of Physical Oceanography, 2004, 34, 2774-2791.	0.7	156
150	Internal Waves in a Lagrangian Reference Frame. Journals of the Atmospheric Sciences, 2004, 61, 1308-1313.	0.6	8
151	Cjm update. Criminal Justice Matters, 2004, 55, 37-40.	0.0	0
152	The Influence of Modulational Instability on Energy Exchange in Coupled Sine-Gordon Equations. Theoretical and Mathematical Physics(Russian Federation), 2003, 137, 1448-1458.	0.3	6
153	The effect of barriers on the tidal range in estuaries. Estuarine, Coastal and Shelf Science, 2003, 58, 57-66.	0.9	3
154	Damping of large-amplitude solitary waves. Wave Motion, 2003, 37, 351-364.	1.0	47
155	Solitary waves of a coupled Korteweg-de Vries system. Mathematics and Computers in Simulation, 2003, 62, 31-40.	2.4	24
156	Internal Solitary Waves. , 2003, , 1-27.		39
157	Atmospheric Internal Solitary Waves. , 2003, , 61-88.		12
158	Singular and regular gap solitons between three dispersion curves. Physical Review E, 2002, 65, 066606.	0.8	9
159	Generation of undular bores in the shelves of slowly-varying solitary waves. Chaos, 2002, 12, 1015-1026.	1.0	43
160	Generation of large-amplitude solitons in the extended Kortewegâ€“de Vries equation. Chaos, 2002, 12, 1070-1076.	1.0	82
161	Dispersion management for solitons in a Kortewegâ€“de Vries system. Chaos, 2002, 12, 8-15.	1.0	19
162	INTERACTION OF A SOLITARY WAVE WITH AN EXTERNAL FORCE IN THE EXTENDED KORTEWEGâ€“DE VRIES EQUATION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2002, 12, 2409-2419.	0.7	9

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163	Transcritical flow of a stratified fluid: The forced extended Kortewegâ€“de Vries model. Physics of Fluids, 2002, 14, 755-774.	1.6	25
164	Nonlinear geostrophic adjustment in the presence of a boundary. Journal of Fluid Mechanics, 2002, 471, 257-283.	1.4	18
165	Solitary waves with recirculation zones in axisymmetric rotating flows. Journal of Fluid Mechanics, 2002, 464, 217-250.	1.4	14
166	The effect of a barrier on tidally forced flow in a density-stratified estuary. Continental Shelf Research, 2002, 22, 2035-2044.	0.9	2
167	Higher-order Korteweg-de Vries models for internal solitary waves in a stratified shear flow with a free surface. Nonlinear Processes in Geophysics, 2002, 9, 221-235.	0.6	109
168	Long-Wave Instability in a Three-Layer Stratified Shear Flow. Studies in Applied Mathematics, 2002, 108, 77-88.	1.1	6
169	Nonlinear Effects in Wave Scattering and Generation. Fluid Mechanics and Its Applications, 2002, , 23-34.	0.1	1
170	Ageostrophic dynamics of an intense localized vortex on a Î²-plane. Journal of Fluid Mechanics, 2001, 443, 351-376.	1.4	14
171	Wave group dynamics in weakly nonlinear long-wave models. Physica D: Nonlinear Phenomena, 2001, 159, 35-57.	1.3	96
172	Numerical simulations of the flow of a continuously stratified fluid, incorporating inertial effects. Fluid Dynamics Research, 2001, 28, 323-347.	0.6	5
173	Transient Linear Growth and Nonlinear Effects. Studies in Applied Mathematics, 2001, 106, 47-68.	1.1	0
174	Integrable Shallow-Water Equations and Undular Bores. Studies in Applied Mathematics, 2001, 106, 157-186.	1.1	54
175	Short-Wave Instability in a Three-Layer Stratified Shear Flow. Quarterly Journal of Mechanics and Applied Mathematics, 2001, 54, 375-388.	0.5	5
176	Models for Instability in Geophysical Flows. Fluid Mechanics and Its Applications, 2001, , 153-160.	0.1	0
177	On the long-term evolution of an intense localized divergent vortex on the beta-plane. Journal of Fluid Mechanics, 2000, 422, 249-280.	1.4	28
178	Weakly nonlinear internal wave fronts trapped in contractions. Journal of Fluid Mechanics, 2000, 415, 323-345.	1.4	14
179	On the generation of solitons and breathers in the modified Kortewegâ€“de Vries equation. Chaos, 2000, 10, 383-392.	1.0	48
180	Soliton formation from a pulse passing the zero-dispersion point in a nonlinear SchrÃ¶dinger equation. Physical Review E, 2000, 61, 5794-5801.	0.8	6

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181	The Effect of Topography on the Dynamics of Interacting Solitary Waves in the Context of Atmospheric Blocking. Journals of the Atmospheric Sciences, 1999, 56, 3663-3678.	0.6	21
182	Hamiltonian-versus-energy diagrams in soliton theory. Physical Review E, 1999, 59, 6088-6096.	0.8	71
183	Solitary waves in a two-layer quasigeostrophic model with wind stress forcing. Geophysical and Astrophysical Fluid Dynamics, 1999, 91, 169-197.	0.4	1
184	Exact periodic steady solutions for nonlinear wave equations: A new approach. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 251, 25-30.	0.9	6
185	Passage of a wave pulse through a zero-dispersion point in the nonlinear SchrÃ¶dinger equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 262, 434-444.	0.9	5
186	Solitary wave transformation in a medium with sign-variable quadratic nonlinearity and cubic nonlinearity. Physica D: Nonlinear Phenomena, 1999, 132, 40-62.	1.3	86
187	Dissipative effects in a nonlinear wave system with an unstable linear spectrum. Physica D: Nonlinear Phenomena, 1999, 132, 63-86.	1.3	0
188	Numerical simulations of internal solitary waves with vortex cores. Fluid Dynamics Research, 1999, 25, 315-333.	0.6	14
189	Hamiltonian formulation for solitary waves propagating on a variable background. Journal of Engineering Mathematics, 1999, 36, 89-98.	0.6	4
190	The Formation of Coherent Structures in the Context of Blocking. Journals of the Atmospheric Sciences, 1999, 56, 3640-3662.	0.6	21
191	The effect of weak shear on finite-amplitude internal solitary waves. Journal of Fluid Mechanics, 1999, 395, 125-159.	1.4	10
192	Long Nonlinear Surface and Internal Gravity Waves in a Rotating Ocean. Surveys in Geophysics, 1998, 19, 289-338.	2.1	145
193	Solitary Wave Transformation Due to a Change in Polarity. Studies in Applied Mathematics, 1998, 101, 357-388.	1.1	36
194	Stable two-dimensional parametric solitons in fluid systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 248, 208-218.	0.9	21
195	Nonlinear analysis of instability produced by linear mode coupling. Physica D: Nonlinear Phenomena, 1998, 113, 26-42.	1.3	2
196	Terminal Damping of a Solitary Wave Due to Radiation in Rotational Systems. Studies in Applied Mathematics, 1998, 101, 197-210.	1.1	74
197	The effect of the induced mean flow on solitary waves in deep water. Journal of Fluid Mechanics, 1998, 355, 317-328.	1.4	17
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