

List of Publications by Year in
Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

354 papers	7,562 citations	45 h-index	68 g-index
376 ext. papers	8,205 ext. citations	2.7 avg, IF	6.14 L-index

#	Paper	IF	Citations
354	Generation of nonlinear internal waves by flow over topography: Rotational effects. <i>Physical Review E</i> , 2020 , 101, 033104	2.4	1
353	Intricate dynamics of rogue waves governed by the Sasa–Satsuma equation. <i>Physica D: Nonlinear Phenomena</i> , 2020 , 402, 132252	3.3	10
352	Emergence of Envelope Solitary Waves from Initial Localized Pulses within the Ostrovsky Equation. <i>Radiophysics and Quantum Electronics</i> , 2020 , 63, 21-28	0.7	2
351	Initial conditions for the cylindrical Korteweg-de Vries equation. <i>Studies in Applied Mathematics</i> , 2019 , 143, 176-191	2.1	4
350	Brief communication: Modulation instability of internal waves in a smoothly stratified shallow fluid with a constant buoyancy frequency. <i>Natural Hazards and Earth System Sciences</i> , 2019 , 19, 583-587	3.9	3
349	Generation of Wave Groups by Shear Layer Instability. <i>Fluids</i> , 2019 , 4, 39	1.6	4
348	The interaction of a mode-1 internal solitary wave with a step and the generation of mode-2 waves. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2019 , 113, 327-347	1.4	4
347	Generation of mode 2 internal waves by the interaction of mode 1 waves with topography. <i>Journal of Fluid Mechanics</i> , 2019 , 880, 799-830	3.7	2
346	Transcritical flow over obstacles and holes: forced Korteweg–de Vries framework. <i>Journal of Fluid Mechanics</i> , 2019 , 881, 660-678	3.7	2
345	High-order rogue waves and their dynamics of the Fokas–Lenells equation revisited: a variable separation technique. <i>Nonlinear Dynamics</i> , 2019 , 98, 2067-2077	5	5
344	Two-dimensional modulation instability of wind waves. <i>Journal of Ocean Engineering and Marine Energy</i> , 2019 , 5, 413-417	1.5	2
343	Modulation instability and rogue waves for shear flows with a free surface. <i>Physical Review Fluids</i> , 2019 , 4,	2.8	3
342	The Evolution of Internal Undular Bores over a Slope in the Presence of Rotation. <i>Studies in Applied Mathematics</i> , 2018 , 140, 465-482	2.1	5
341	Internal solitary wave generation by tidal flow over topography. <i>Journal of Fluid Mechanics</i> , 2018 , 839, 387-407	3.7	12
340	Decay of Kadomtsev–Petviashvili lumps in dissipative media. <i>Physica D: Nonlinear Phenomena</i> , 2018 , 366, 43-50	3.3	8
339	The Propagation of Internal Solitary Waves over Variable Topography in a Horizontally Two-Dimensional Framework. <i>Journal of Physical Oceanography</i> , 2018 , 48, 283-300	2.4	10
338	Internal Undular Bores in the Coastal Ocean. <i>Springer Oceanography</i> , 2018 , 23-39	0.5	1

337	Preface: Nonlinear waves and chaos. <i>Nonlinear Processes in Geophysics</i> , 2018 , 25, 477-479	2.9	
336	Modeling internal rogue waves in a long wave-short wave resonance framework. <i>Physical Review Fluids</i> , 2018 , 3,	2.8	6
335	The evolution of second mode internal solitary waves over variable topography. <i>Journal of Fluid Mechanics</i> , 2018 , 836, 238-259	3.7	19
334	Generation of Wave Groups. <i>Procedia IUTAM</i> , 2018 , 26, 92-101		0
333	The Effect of a Variable Background Density Stratification and Current on Oceanic Internal Solitary Waves. <i>Fluids</i> , 2018 , 3, 96	1.6	1
332	Topographic effect on oblique internal wave-wave interactions. <i>Journal of Fluid Mechanics</i> , 2018 , 856, 36-60	3.7	5
331	Fast and slow resonant triads in the two-layer rotating shallow water equations. <i>Journal of Fluid Mechanics</i> , 2018 , 850, 18-45	3.7	1
330	Nonlinear Periodic and Solitary Water Waves on Currents in Shallow Water. <i>Studies in Applied Mathematics</i> , 2017 , 139, 60-77	2.1	3
329	Radiating solitary waves in coupled Boussinesq equations. <i>IMA Journal of Applied Mathematics</i> , 2017 , 82, 802-820	1	6
328	Internal solitary waves propagating through variable background hydrology and currents. <i>Ocean Modelling</i> , 2017 , 116, 134-145	3	5
327	Modelling and observations of oceanic nonlinear internal wave packets affected by the Earth's rotation. <i>Ocean Modelling</i> , 2017 , 116, 146-158	3	12
326	Modulational Instability and Rogue Waves in Shallow Water Models. <i>Lecture Notes in Physics</i> , 2016 , 135-158		3
325	Rogue waves for a long wave-short wave resonance model with multiple short waves. <i>Nonlinear Dynamics</i> , 2016 , 85, 2827-2841	5	17
324	Nonlinear Wave Equations for Oceanic Internal Solitary Waves. <i>Studies in Applied Mathematics</i> , 2016 , 136, 214-237	2.1	12
323	Formation of wave packets in the Ostrovsky equation for both normal and anomalous dispersion. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2016 , 472, 20150416	2.4	19
322	Modelling of Polarity Change in a Nonlinear Internal Wave Train in Laoshan Bay. <i>Journal of Physical Oceanography</i> , 2016 , 46, 965-974	2.4	4
321	The Hydrodynamic Nonlinear Schrödinger Equation: Space and Time. <i>Fluids</i> , 2016 , 1, 23	1.6	22
320	Depression and elevation tsunami waves in the framework of the Korteweg-de Vries equation. <i>Natural Hazards</i> , 2016 , 84, 493-511	3	9

- 319 Transcritical flow over two obstacles: forced Korteweg-de Vries framework. *Journal of Fluid Mechanics*, **2016**, 809, 918-940 3.7 9
- 318 Internal breather-like wave generation by the second mode solitary wave interaction with a step. *Physics of Fluids*, **2016**, 28, 116602 4.4 24
- 317 The propagation of internal undular bores over variable topography. *Physica D: Nonlinear Phenomena*, **2016**, 333, 200-207 3.3 10
- 316 Changing forms and sudden smooth transitions of tsunami waves. *Journal of Ocean Engineering and Marine Energy*, **2015**, 1, 145-156 1.5 7
- 315 Observation of internal wave polarity conversion generated by a rising tide. *Geophysical Research Letters*, **2015**, 42, 4007-4013 4.9 5
- 314 Solitary Waves and Undular Bores in a Mesosphere Duct. *Journals of the Atmospheric Sciences*, **2015**, 72, 4412-4422 2.1 4
- 313 Critical control in transcritical shallow-water flow over two obstacles. *Journal of Fluid Mechanics*, **2015**, 780, 480-502 3.7 3
- 312 A coupled "AB" system: Rogue waves and modulation instabilities. *Chaos*, **2015**, 25, 103113 3.3 36
- 311 Change of Polarity for Periodic Waves in the Variable-Coefficient Korteweg-de Vries Equation. *Studies in Applied Mathematics*, **2015**, 134, 363-371 2.1 9
- 310 Dynamics of Rogue Waves on a Multisoliton Background in a Vector Nonlinear Schrödinger Equation. *SIAM Journal on Applied Mathematics*, **2015**, 75, 1-20 1.8 88
- 309 Rogue wave modes for a derivative nonlinear Schrödinger model. *Physical Review E*, **2014**, 89, 032914 2.4 59
- 308 Geostrophic adjustment in a closed basin with islands. *Journal of Fluid Mechanics*, **2014**, 738, 358-377 3.7 2
- 307 An extended equatorial plane: linear spectrum and resonant triads. *Geophysical and Astrophysical Fluid Dynamics*, **2014**, 108, 1-19 1.4 2
- 306 Combined Effect of Rotation and Topography on Shoaling Oceanic Internal Solitary Waves. *Journal of Physical Oceanography*, **2014**, 44, 1116-1132 2.4 52
- 305 Justice and institutional care. *Criminal Justice Matters*, **2014**, 96, 10-11
- 304 Coupled Ostrovsky equations for internal waves in a shear flow. *Physics of Fluids*, **2014**, 26, 126603 4.4 21
- 303 On strongly interacting internal waves in a rotating ocean and coupled Ostrovsky equations. *Chaos*, **2013**, 23, 023121 3.3 17
- 302 Stability of steady gravity waves generated by a moving localised pressure disturbance in water of finite depth. *Physics of Fluids*, **2013**, 25, 076605 4.4 12

301	Modified reduced Ostrovsky equation: integrability and breaking. <i>Physical Review E</i> , 2013 , 88, 021201	2.4	7
300	Coupled Korteweg–de Vries Equations. <i>Understanding Complex Systems</i> , 2013 , 317-333	0.4	4
299	Steady and unsteady nonlinear internal waves incident on an interface. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2013 , 139, 1990-1996	6.4	3
298	Transcritical flow of a stratified fluid over topography: analysis of the forced Gardner equation. <i>Journal of Fluid Mechanics</i> , 2013 , 736, 495-531	3.7	12
297	Two-soliton interaction as an elementary act of soliton turbulence in integrable systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013 , 377, 272-275	2.3	46
296	Internal solitary wave transformation over a bottom step: Loss of energy. <i>Physics of Fluids</i> , 2013 , 25, 032110	4.4	34
295	Rogue waves: analytical predictions. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2013 , 469, 20130094	2.4	27
294	Rogue Wave Modes for the Long Wave–Short Wave Resonance Model. <i>Journal of the Physical Society of Japan</i> , 2013 , 82, 074001	1.5	42
293	Experimental study of the effect of rotation on nonlinear internal waves. <i>Physics of Fluids</i> , 2013 , 25, 056602	4.4	35
292	Reflection of an internal wave at an interface representing a rapid increase in viscosity. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2013 , 107, 603-613	1.4	2
291	Global existence of small-norm solutions in the reduced Ostrovsky equation. <i>Discrete and Continuous Dynamical Systems</i> , 2013 , 34, 557-566	2	20
290	Undular bore theory for the Gardner equation. <i>Physical Review E</i> , 2012 , 86, 036605	2.4	67
289	The Reduced Ostrovsky Equation: Integrability and Breaking. <i>Studies in Applied Mathematics</i> , 2012 , 129, 414-436	2.1	32
288	Modelling the effect of bottom sediment transport on beach profiles and wave set-up. <i>Ocean Modelling</i> , 2012 , 59-60, 24-30	3	
287	Nonlinear wave evolution equation for critical layers. <i>Physical Review E</i> , 2012 , 86, 046311	2.4	1
286	Rossby waves and zonons in zonostrophic turbulence 2012 ,		7
285	Internal solitary waves with a weakly stratified critical layer. <i>Physics of Fluids</i> , 2012 , 24, 056602	4.4	8
284	Thinking of suicide: understanding the risks associated with child institutional care. <i>Criminal Justice Matters</i> , 2012 , 90, 38-40		1

283	The effect of rotation on internal solitary waves. <i>IMA Journal of Applied Mathematics</i> , 2012 , 77, 326-339	1	41
282	Transformation of a shoaling undular bore. <i>Journal of Fluid Mechanics</i> , 2012 , 709, 371-395	3.7	26
281	<i>Preface</i> Large amplitude internal waves in the coastal ocean. <i>Nonlinear Processes in Geophysics</i> , 2011 , 18, 653-655	2.9	7
280	Atmospheric gravity waves in the Red Sea: a new hotspot. <i>Nonlinear Processes in Geophysics</i> , 2011 , 18, 71-79	2.9	10
279	My Story ¶witnessing narratives of childhood trauma and violence. <i>Criminal Justice Matters</i> , 2011 , 86, 43-44		
278	Water Wave Packets Over Variable Depth. <i>Studies in Applied Mathematics</i> , 2011 , 126, 409-427	2.1	26
277	A short comment on the effect of a shear layer on nonlinear water waves. <i>Science China: Physics, Mechanics and Astronomy</i> , 2011 , 54, 67-73	3.6	6
276	Steady transcritical flow over an obstacle: Parametric map of solutions of the forced extended Korteweg¶de Vries equation. <i>Physics of Fluids</i> , 2011 , 23, 046602	4.4	5
275	Internal solitary waves: propagation, deformation and disintegration. <i>Nonlinear Processes in Geophysics</i> , 2010 , 17, 633-649	2.9	97
274	TRANSCRITICAL FLOW PAST AN OBSTACLE. <i>ANZIAM Journal</i> , 2010 , 52, 2-26	0.5	12
273	Structure formation in the oceanic subsurface bubble layer by an internal wave field. <i>Physics of Fluids</i> , 2010 , 22, 106603	4.4	2
272	Steady transcritical flow over a hole: Parametric map of solutions of the forced Korteweg¶de Vries equation. <i>Physics of Fluids</i> , 2010 , 22, 056602	4.4	19
271	Interaction of a large amplitude interfacial solitary wave of depression with a bottom step. <i>Physics of Fluids</i> , 2010 , 22, 076602	4.4	45
270	Nonreflecting Internal Wave Beam Propagation in the Deep Ocean. <i>Journal of Physical Oceanography</i> , 2010 , 40, 802-813	2.4	18
269	The long-time interaction of an eddy with shelf topography. <i>Ocean Modelling</i> , 2010 , 32, 25-35	3	10
268	Generation of solitons and breathers in the extended Korteweg-de Vries equation with positive cubic nonlinearity. <i>Chaos</i> , 2010 , 20, 013102	3.3	36
267	¶he outsider¶communication, diversity, and communities. <i>Criminal Justice Matters</i> , 2010 , 80, 44-45		
266	Evolution of solitary waves in a two-pycnocline system. <i>Journal of Fluid Mechanics</i> , 2010 , 642, 235-277	3.7	11

265	Rogue waves [towards a unifying concept?: Discussions and debates. <i>European Physical Journal: Special Topics</i> , 2010 , 185, 5-15	2.3	82
264	Rogue internal waves in the ocean: Long wave model. <i>European Physical Journal: Special Topics</i> , 2010 , 185, 195-208	2.3	40
263	Steady gap solitons in a coupled Korteweg-de Vries system: A dynamical systems approach. <i>Physica D: Nonlinear Phenomena</i> , 2010 , 239, 635-639	3.3	4
262	Homogenization of the variable-speed wave equation. <i>Wave Motion</i> , 2010 , 47, 496-507	1.8	17
261	Exponential Asymptotics and Generalized Solitary Waves. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , 2010 , 71-120	0.6	11
260	The transformation of an interfacial solitary wave of elevation at a bottom step. <i>Nonlinear Processes in Geophysics</i> , 2009 , 16, 33-42	2.9	26
259	My story: young people talk about the trauma in their lives. <i>Criminal Justice Matters</i> , 2009 , 75, 47-48		
258	Stability of gravity-capillary waves generated by a moving pressure disturbance in water of finite depth. <i>Physics of Fluids</i> , 2009 , 21, 082101	4.4	20
257	Value of targeting at-risk populations at outreach venues: findings from a local sauna. <i>International Journal of STD and AIDS</i> , 2009 , 20, 642-3	1.4	8
256	Transcritical Flow Over a Hole. <i>Studies in Applied Mathematics</i> , 2009 , 122, 235-248	2.1	10
255	On vorticity waves propagating in a waveguide formed by two critical layers. <i>Journal of Fluid Mechanics</i> , 2009 , 629, 161-171	3.7	1
254	Transcritical shallow-water flow past topography: finite-amplitude theory. <i>Journal of Fluid Mechanics</i> , 2009 , 640, 187-214	3.7	24
253	Long-time Solutions of the Ostrovsky Equation. <i>Studies in Applied Mathematics</i> , 2008 , 121, 71-88	2.1	53
252	Nonlinear free surface flows past a semi-infinite flat plate in water of finite depth. <i>Physics of Fluids</i> , 2008 , 20, 062102	4.4	5
251	The probation spending crisis. <i>Criminal Justice Matters</i> , 2008 , 73, 40-42		1
250	Nonlinear Disintegration of the Internal Tide. <i>Journal of Physical Oceanography</i> , 2008 , 38, 686-701	2.4	67
249	Fission of a weakly nonlinear interfacial solitary wave at a step. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2008 , 102, 179-194	1.4	25
248	The sharp end of politics?. <i>Criminal Justice Matters</i> , 2008 , 72, 44-45		

247	Asymptotic description of solitary wave trains in fully nonlinear shallow-water theory. <i>Physica D: Nonlinear Phenomena</i> , 2008 , 237, 2423-2435	3.3	28
246	Gap-solitons in a three-layered stratified flow. <i>Wave Motion</i> , 2008 , 45, 758-769	1.8	2
245	Reflecting tidal wave beams and local generation of solitary waves in the ocean thermocline. <i>Journal of Fluid Mechanics</i> , 2007 , 593, 297-313	3.7	45
244	Evolution of solitary waves and undular bores in shallow-water flows over a gradual slope with bottom friction. <i>Journal of Fluid Mechanics</i> , 2007 , 585, 213-244	3.7	46
243	Generation of solitary waves by transcritical flow over a step. <i>Journal of Fluid Mechanics</i> , 2007 , 587, 235-254	3.7	20
242	Internal solitary waves in a variable medium. <i>GAMM Mitteilungen</i> , 2007 , 30, 96-109	1.8	13
241	Rossby Solitary Waves in the Presence of a Critical Layer. <i>Studies in Applied Mathematics</i> , 2007 , 118, 313-364	3.6	18
240	Modelling Internal Solitary Waves in the Coastal Ocean. <i>Surveys in Geophysics</i> , 2007 , 28, 273-298	7.6	75
239	Internal Tide Generation at the Continental Shelf Modeled Using a Modal Decomposition: Two-Dimensional Results. <i>Journal of Physical Oceanography</i> , 2007 , 37, 428-451	2.4	53
238	Novel Solitary Pulses for a Variable-Coefficient Derivative Nonlinear Schrödinger Equation. <i>Journal of the Physical Society of Japan</i> , 2007 , 76, 074004	1.5	12
237	Solitary wave solution for a non-integrable, variable coefficient nonlinear Schrödinger equation. <i>Physica Scripta</i> , 2007 , 75, 620-623	2.6	8
236	Asymmetric internal solitary waves with a trapped core in deep fluids. <i>Physics of Fluids</i> , 2007 , 19, 096601	4.4	7
235	Solitary waves propagating over variable topography		4
234	Unsteady undular bores in fully nonlinear shallow-water theory. <i>Physics of Fluids</i> , 2006 , 18, 027104	4.4	100
233	Modelling internal solitary waves on the Australian North West Shelf. <i>Marine and Freshwater Research</i> , 2006 , 57, 265	2.2	18
232	Modulational instability of two pairs of counter-propagating waves and energy exchange in a two-component system. <i>Physica D: Nonlinear Phenomena</i> , 2006 , 214, 1-24	3.3	23
231	Frictional effects on the deep-flow feedback on the -drift of a baroclinic vortex over sloping topography. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2005 , 52, 2156-2167	2.5	6
230	Generalized solitary waves and fronts in coupled Korteweg-de Vries systems. <i>Physica D: Nonlinear Phenomena</i> , 2005 , 210, 96-117	3.3	14

229	Soliton dynamics in a strong periodic field: The Korteweg de Vries framework. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2005 , 344, 203-210	2.3	4
228	Free surface flow under gravity and surface tension due to an applied pressure distribution II Bond number less than one-third. <i>European Journal of Mechanics, B/Fluids</i> , 2005 , 24, 502-521	2.4	8
227	Rossby Waves on a Shear Flow with Recirculation Cores. <i>Studies in Applied Mathematics</i> , 2005 , 115, 387-403	2.3	10
226	Interactions of breathers and solitons in the extended Korteweg de Vries equation. <i>Wave Motion</i> , 2005 , 43, 158-166	1.8	79
225	Short-Lived Large-Amplitude Pulses in the Nonlinear Long-Wave Model Described by the Modified Korteweg de Vries Equation. <i>Studies in Applied Mathematics</i> , 2005 , 114, 189-210	2.1	36
224	Wave Breaking and the Generation of Undular Bores in an Integrable Shallow Water System. <i>Studies in Applied Mathematics</i> , 2005 , 114, 395-411	2.1	22
223	Free surface flow under gravity and surface tension due to an applied pressure distribution: I Bond number greater than one-third. <i>Theoretical and Computational Fluid Dynamics</i> , 2005 , 19, 237-252	2.3	13
222	Solitons in nonintegrable systems. <i>Chaos</i> , 2005 , 15, 37101	3.3	1
221	Analytic model for a weakly dissipative shallow-water undular bore. <i>Chaos</i> , 2005 , 15, 37102	3.3	23
220	Korteweg de-Vries Equation 2005 , 1-28		8
219	The Effect of Bubbles on Internal Waves. <i>Journal of Physical Oceanography</i> , 2004 , 34, 477-489	2.4	5
218	Interaction of two lump solitons described by the Kadomtsev-Petviashvili I equation. <i>Wave Motion</i> , 2004 , 40, 123-135	1.8	55
217	Generation of Secondary Solitary Waves in the Variable-Coefficient Korteweg de Vries Equation. <i>Studies in Applied Mathematics</i> , 2004 , 112, 271-279	2.1	9
216	A cancer research (UK) randomized phase II study of idoxifene in patients with locally advanced/metastatic breast cancer resistant to tamoxifen. <i>Cancer Chemotherapy and Pharmacology</i> , 2004 , 53, 341-8	3.5	20
215	Steady multipolar planar vortices with nonlinear critical layers. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2004 , 98, 473-506	1.4	14
214	Simulation of the Transformation of Internal Solitary Waves on Oceanic Shelves. <i>Journal of Physical Oceanography</i> , 2004 , 34, 2774-2791	2.4	123
213	Internal Waves in a Lagrangian Reference Frame. <i>Journals of the Atmospheric Sciences</i> , 2004 , 61, 1308-1313	2.3	6
212	The Influence of Modulational Instability on Energy Exchange in Coupled Sine-Gordon Equations. <i>Theoretical and Mathematical Physics(Russian Federation)</i> , 2003 , 137, 1448-1458	0.7	5

211	The effect of barriers on the tidal range in estuaries. <i>Estuarine, Coastal and Shelf Science</i> , 2003 , 58, 57-66.	2.9	2
210	Damping of large-amplitude solitary waves. <i>Wave Motion</i> , 2003 , 37, 351-364	1.8	44
209	Solitary waves of a coupled Korteweg-de Vries system. <i>Mathematics and Computers in Simulation</i> , 2003 , 62, 31-40	3.3	23
208	Internal Solitary Waves 2003 , 1-27		16
207	Atmospheric Internal Solitary Waves 2003 , 61-88		7
206	Higher-order Korteweg-de Vries models for internal solitary waves in a stratified shear flow with a free surface. <i>Nonlinear Processes in Geophysics</i> , 2002 , 9, 221-235	2.9	86
205	Long-Wave Instability in a Three-Layer Stratified Shear Flow. <i>Studies in Applied Mathematics</i> , 2002 , 108, 77-88	2.1	4
204	Singular and regular gap solitons between three dispersion curves. <i>Physical Review E</i> , 2002 , 65, 066606	2.4	9
203	Generation of undular bores in the shelves of slowly-varying solitary waves. <i>Chaos</i> , 2002 , 12, 1015-1026	3.3	39
202	Generation of large-amplitude solitons in the extended Korteweg-de Vries equation. <i>Chaos</i> , 2002 , 12, 1070-1076	3.3	72
201	Dispersion management for solitons in a Korteweg-de Vries system. <i>Chaos</i> , 2002 , 12, 8-15	3.3	12
200	INTERACTION OF A SOLITARY WAVE WITH AN EXTERNAL FORCE IN THE EXTENDED KORTEWEG-DE VRIES EQUATION. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2002 , 12, 2409-2419	2	3
199	Transcritical flow of a stratified fluid: The forced extended Korteweg-de Vries model. <i>Physics of Fluids</i> , 2002 , 14, 755-774	4.4	20
198	Nonlinear geostrophic adjustment in the presence of a boundary. <i>Journal of Fluid Mechanics</i> , 2002 , 471, 257-283	3.7	16
197	Solitary waves with recirculation zones in axisymmetric rotating flows. <i>Journal of Fluid Mechanics</i> , 2002 , 464, 217-250	3.7	12
196	The effect of a barrier on tidally forced flow in a density-stratified estuary. <i>Continental Shelf Research</i> , 2002 , 22, 2035-2044	2.4	2
195	Nonlinear Effects in Wave Scattering and Generation. <i>Fluid Mechanics and Its Applications</i> , 2002 , 23-34	0.2	
194	Wave group dynamics in weakly nonlinear long-wave models. <i>Physica D: Nonlinear Phenomena</i> , 2001 , 159, 35-57	3.3	84

193	Numerical simulations of the flow of a continuously stratified fluid, incorporating inertial effects. <i>Fluid Dynamics Research</i> , 2001 , 28, 323-347	1.2	5
192	Transient Linear Growth and Nonlinear Effects. <i>Studies in Applied Mathematics</i> , 2001 , 106, 47-68	2.1	
191	Integrable Shallow-Water Equations and Undular Bores. <i>Studies in Applied Mathematics</i> , 2001 , 106, 157-186		47
190	Short-Wave Instability in a Three-Layer Stratified Shear Flow. <i>Quarterly Journal of Mechanics and Applied Mathematics</i> , 2001 , 54, 375-388	1	4
189	Ageostrophic dynamics of an intense localized vortex on a β -plane. <i>Journal of Fluid Mechanics</i> , 2001 , 443, 351-376	3.7	13
188	Models for Instability in Geophysical Flows. <i>Fluid Mechanics and Its Applications</i> , 2001 , 153-160	0.2	
187	On the long-term evolution of an intense localized divergent vortex on the beta-plane. <i>Journal of Fluid Mechanics</i> , 2000 , 422, 249-280	3.7	24
186	Weakly nonlinear internal wave fronts trapped in contractions. <i>Journal of Fluid Mechanics</i> , 2000 , 415, 323-345	3.7	13
185	On the generation of solitons and breathers in the modified Korteweg-de Vries equation. <i>Chaos</i> , 2000 , 10, 383-392	3.3	40
184	Soliton formation from a pulse passing the zero-dispersion point in a nonlinear Schrodinger equation. <i>Physical Review E</i> , 2000 , 61, 5794-801	2.4	6
183	The Effect of Topography on the Dynamics of Interacting Solitary Waves in the Context of Atmospheric Blocking. <i>Journals of the Atmospheric Sciences</i> , 1999 , 56, 3663-3678	2.1	20
182	Hamiltonian-versus-energy diagrams in soliton theory. <i>Physical Review E</i> , 1999 , 59, 6088-96	2.4	63
181	Solitary waves in a two-layer quasigeostrophic model with wind stress forcing. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1999 , 91, 169-197	1.4	1
180	Exact periodic steady solutions for nonlinear wave equations: A new approach. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1999 , 251, 25-30	2.3	5
179	Passage of a wave pulse through a zero-dispersion point in the nonlinear Schrödinger equation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1999 , 262, 434-444	2.3	5
178	Solitary wave transformation in a medium with sign-variable quadratic nonlinearity and cubic nonlinearity. <i>Physica D: Nonlinear Phenomena</i> , 1999 , 132, 40-62	3.3	78
177	Dissipative effects in a nonlinear wave system with an unstable linear spectrum. <i>Physica D: Nonlinear Phenomena</i> , 1999 , 132, 63-86	3.3	
176	Numerical simulations of internal solitary waves with vortex cores. <i>Fluid Dynamics Research</i> , 1999 , 25, 315-333	1.2	14

175	Hamiltonian formulation for solitary waves propagating on a variable background. <i>Journal of Engineering Mathematics</i> , 1999 , 36, 89-98	1.2	4
174	The Formation of Coherent Structures in the Context of Blocking. <i>Journals of the Atmospheric Sciences</i> , 1999 , 56, 3640-3662	2.1	18
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