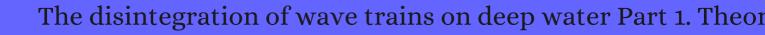
CITATION REPORT List of articles citing



DOI: 10.1017/s002211206700045x Journal of Fluid Mechanics, 1967, 27, 417-430.

Source: https://exaly.com/paper-pdf/9222051/citation-report.pdf

Version: 2024-04-09

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
2056	An experimental study of the scattering of light by natural waters. 1952 , 140, 321-38		10
2055	An experiment on third-order resonant wave interactions. <i>Journal of Fluid Mechanics</i> , 1966 , 25, 417-435	3.7	59
2054	The disintegration of wave trains on deep water Part 1. Theory. <i>Journal of Fluid Mechanics</i> , 1967 , 27, 417-430	3.7	1880
2053	A criterion for nonlinear wave stability. <i>Journal of Fluid Mechanics</i> , 1967 , 30, 737-739	3.7	136
2052	Viscous damping of small amplitude waves in a non-homogeneous fluid of infinite depth. 1968 , 15, 259-	-266	1
2051	On the shape of progressive internal waves. 1968 , 263, 563-614		122
2050	Resonant gravity-wave interactions in a shear flow. <i>Journal of Fluid Mechanics</i> , 1968 , 34, 531-549	3.7	28
2049	Phase jumps. Journal of Fluid Mechanics, 1968, 32, 779-789	3.7	4
2048	A nonlinear mechanism for the generation of sea waves. 1969 , 311, 371-389		81
2047	A variational method for weak resonant wave interactions. 1969 , 309, 551-577		77
2046	Finite bandwidth, finite amplitude convection. <i>Journal of Fluid Mechanics</i> , 1969 , 38, 279-303	3.7	1195
2045	Rossby wave packet interactions. <i>Journal of Fluid Mechanics</i> , 1969 , 35, 255-271	3.7	80
2044	Wave propagation in weakly nonlinear dispersive systems. 1970 , 2, 429-431		
2043	On slowly-varying Stokes waves. <i>Journal of Fluid Mechanics</i> , 1970 , 41, 873-887	3.7	131
2042	An experiment on second-order capillary gravity resonant wave interactions. <i>Journal of Fluid Mechanics</i> , 1970 , 40, 251-271	3.7	72
2041	Measurements of atmospheric pressure on wind-generated sea waves. <i>Journal of Fluid Mechanics</i> , 1971 , 48, 91-127	3.7	76
2040	The non-linear evolution of Stokes waves in deep water. <i>Journal of Fluid Mechanics</i> , 1971 , 47, 337-351	3.7	59

2039	Wave generation on the air-sea interface. 1971 , 2, 152-160		4
2038	Fairly-long water waves. 1971 , 2, 555-581		3
2037	Nonlinear Modulation of Gravity Waves. 1972 , 33, 805-811		414
2036	Approximate Methods for Obtaining Multi-Phase Modes in Nonlinear Dispersive Wave Problems. 1972 , 51, 17-55		17
2035	Weakly non-linear, slowly varying waves and their instabilities. 1972 , 72, 95-104		1
2034	An instability of internal gravity waves. <i>Journal of Fluid Mechanics</i> , 1972 , 52, 393-399	3.7	3
2033	Validity of averaging methods for certain systems with periodic solutions. 1972 , 330, 349-371		6
2032	Wave Breaking in Shallow Water. 1972 , 413-456		41
2031	Belfmodulation[bf electromagnetic waves in nonlinear transmission lines. 1972, 15, 182-187		3
2030	Instability of monochromatic waves on the surface of a liquid of arbitrary depth. 1973 , 11, 747-751		5
2029	. 1973 , 25, 36-42		
2028	Nonlinear-Evolution Equations of Physical Significance. 1973 , 31, 125-127		746
2027	Parametric phenomena in a plasma. 1973 , 13, 603-621		75
2026	Near-resonant forcing in a shallow two-layer fluid: a model for the internal surge in Loch New?. <i>Journal of Fluid Mechanics</i> , 1974 , 63, 509-527	3.7	69
2025	Nonlinear Dispersive Waves. 1974 , 6, 93-110		23
2024	On three-dimensional packets of surface waves. 1974 , 338, 101-110		729
2023	On the incipient breaking of small scale waves. <i>Journal of Fluid Mechanics</i> , 1974 , 65, 647-656	3.7	211
2022	Computer extension and analytic continuation of StokesLexpansion for gravity waves. <i>Journal of Fluid Mechanics</i> , 1974 , 62, 553	3.7	281

2021 A Stability Criterion for Envelope Equations. 1974 , 27, 441-456	110
2020 A note on the application of Whitham's method to nonlinear waves in dispersive media. 1974 , 11, 63-76	24
2019 Laboratory Generation of Waves of Constant Form. 1974 , 321	9
2018 The stability of vortex filaments. 1975 , 8, 377-383	
2017 Statistical Mechanics of Ocean Waves. 1975 , 9, 25-31	4
2016 Integral properties of periodic gravity waves of finite amplitude. 1975 , 342, 157-174	128
On the nonlinear transfer of energy in the peak of a gravity-wave spectrum: a simplified model. 1976 , 347, 311-328	53
2014 Giant waves. Journal of Fluid Mechanics, 1976 , 77, 417-431	100
2013 Some Nonlinear Multiphase Interactions. 1976 , 55, 231-238	46
2012 Nonlinear multiphase deep-water wavetrains. 1976 , 19, 1253	31
2011 Finite Amplitude Instabilities of Partial Difference Equations. 1977 , 33, 133-160	37
A note on some nonlinear water-wave experiments and the comparison of data with theory. 3.7 3.7	42
2009 The stability of small amplitude Rossby waves in a channel. <i>Journal of Fluid Mechanics</i> , 1977 , 80, 705-720 _{3.7}	22
2008 On two-dimensional packets of capillary-gravity waves. <i>Journal of Fluid Mechanics</i> , 1977 , 79, 703	308
2007 On the modulation of water waves in the neighbourhood of kh 🗈 .363. 1977 , 357, 131-141	101
2006 Steep gravity waves in water of arbitrary uniform depth. 1977 , 286, 183-230	212
Nonlinear deep-water waves: theory and experiment. Part 2. Evolution of a continuous wave train. Journal of Fluid Mechanics, 1977 , 83, 49-74	300
2004 On the development of packets of surface gravity waves moving over an uneven bottom. 1978 , 29, 950-962	2 34

2003	Propagation of nonlinear waves on an electron-charged surface of liquid helium. 1978 , 17, 3567-3575	21
2002	References. 1978 , 20, 561-587	
2001	Relationship between Benjamin E eir instability and recurrence in the nonlinear Schro dinger equation. 1978 , 21, 1275	158
2000	Long WavesBhort Waves; A Solvable Model. 1978 , 35, 650-664	35
1999	Nonlinear tunnelling. 1978 , 19, 1126-1133	87
1998	A new model for nonlinear wind waves. Part 1. Physical model and experimental evidence. <i>Journal of Fluid Mechanics</i> , 1978 , 88, 33	80
1997	Measurement of high frequency capillary waves on steep gravity waves. <i>Journal of Fluid Mechanics</i> , 1978 , 86, 401-413	32
1996	The Korteweg-de Vries equation and water waves. Part 3. Oscillatory waves. <i>Journal of Fluid Mechanics</i> , 1978 , 84, 337	69
1995	The instabilities of gravity waves of finite amplitude in deep water II. Subharmonics. 1978 , 360, 489-505	123
1994	Soliton Perturbations and Nonlinear Focussing. 1978 , 52-67	7
1993	Modeling the presence of wave groups in a random wave field. 1978 , 83, 4117	30
1992	Generation of short waves in a towing tank. 1978 , 25, 43-52	
1991	Solitons in Physics: Basic Concepts. 1979 , 219-232	1
1990	Solitons in Mathematics. 1979 , 233-253	
1989	Solitons. 1979 , 20, 291-295	12
1988	Some solutions pertaining to the resonant interaction of long and short waves. 1979 , 22, 1872	38
1987	Instability of the finite amplitude spin wave in the continuous Heisenberg chain. 1979, 74, 343-345	5
1986	Note on a modification to the nonlinear Schr¶dinger equation for application to deep water waves. 1979 , 369, 105-114	393

1985	Exact solutions of a three-dimensional nonlinear Schr¶dinger equation applied to gravity waves. Journal of Fluid Mechanics, 1979 , 93, 117-133	3.7	32
1984	Ocean Waves: A Survey of Some Recent Results. 1979 , 21, 289-328		5
1983	Modulation characteristics of sea surface waves. 1979 , 84, 7769		27
1982	Mean flow generation by topographic Rossby waves. <i>Journal of Fluid Mechanics</i> , 1979 , 94, 39-64	3.7	28
1981	The high wavenumber instabilities of a Stokes wave. <i>Journal of Fluid Mechanics</i> , 1979 , 93, 491-499	3.7	7
1980	Nonlinear Wave Groups in Deep Water. 1979 , 61, 1-30		8
1979	Stability of plane wave solutions of the two-space-dimensional nonlinear Schr¶dinger equation. 1980 , 2, 215-229		24
1978	Evolution of a random inhomogeneous field of nonlinear deep-water gravity waves. 1980 , 2, 1-16		99
1977	Instabilities of Waves on Deep Water. 1980 , 12, 303-334		85
1976	The Unsolved Problem of Breaking Waves. 1980 , 1		4
1975	On the nonlinear modulation of planetary topographic waves in a rotating stratified ocean. 1980 , 16, 35-54		4
1974	Resonant interactions of surface and internal gravity waves. 1980 , 23, 2556		6
1973	Forward diffraction of Stokes waves by a thin wedge. <i>Journal of Fluid Mechanics</i> , 1980 , 99, 33-52	3.7	70
1972	Spreading of energy in solutions of the nonlinear Schr¶dinger equation. 1980 , 23, 1269		8
1971	Instabilities and transition in flow between concentric rotating cylinders. 1981 , 139-180		29
1970	Elevation and velocity measurements of laboratory shoaling waves. 1981 , 86, 4149		43
1969	The extended velocity potential versus stokes wave representation. 1981 , 86, 6473		4
1968	Amplitude equations at the critical points of unstable dispersive physical systems. 1981 , 377, 185-219		34

Effects of nonlinearity and spectral bandwidth on the dispersion relation and component phase speeds of surface gravity waves. <i>Journal of Fluid Mechanics</i> , 1981 , 112, 1	3.7	15
1966 Wave interactions - the evolution of an idea. <i>Journal of Fluid Mechanics</i> , 1981 , 106, 215	3.7	97
Stability of weakly nonlinear deep-water waves in two and three dimensions. <i>Journal of Fluid Mechanics</i> , 1981 , 105, 177	3.7	76
1964 Three-Dimensional Instability of Finite-Amplitude Water Waves. 1981 , 46, 817-820		98
1963 Aperiodic behaviour of baroclinic wave packets. 1981 , 83, 259-262		1
1962 A theory for the evolution of wind-generated gravity-wave spectra due to dissipation. 1981 , 18, 75	5-92	3
1961 Nonlinear Dynamics of Deep-Water Gravity Waves. 1982 , 67-229		248
1960 Stability of Finite-Amplitude Baroclinic Waves in a Two-Layer Channel Flow. 1982 , 60, 607-619		4
A Note on the Stability of a Finite-amplitude Wave Solution of the Generalized Landau Equation. 1959 1982 , 60, 1024-1033		5
Experiments on nonlinear instabilities and evolution of steep gravity-wave trains. <i>Journal of Fluid Mechanics</i> , 1982 , 124, 45	3.7	104
Three-dimensional deep-water waves. Part 1. Experimental measurement of skew and symmetric wave patterns. <i>Journal of Fluid Mechanics</i> , 1982 , 124, 73	3.7	99
Resonant sideband instabilities in wave propagation in fluidized beds. <i>Journal of Fluid Mechanics</i> , 1956 1982 , 122, 433	3.7	28
1955 The instability and breaking of deep-water waves. <i>Journal of Fluid Mechanics</i> , 1982 , 115, 165	3.7	169
1954 Instabilities of finite-amplitude water waves. <i>Journal of Fluid Mechanics</i> , 1982 , 114, 315	3.7	183
Instabilities of finite-amplitude gravity waves on water of finite depth. <i>Journal of Fluid Mechanics</i> , 1953 1982 , 114, 331	3.7	102
Modification of the surface elevation probability distribution in ocean swell by nonlinear spectral broadening. 1982 , 87, 4155		3
1951 Subharmonic transitions and group formation in a wind wave field. 1982 , 87, 5699		7
On nonlinear evolution equations of a three-dimensional capillary-gravity wave packet at the interface of two superposed fluids. 1982 , 4, 37-52		2

1949	On the capsize performance of a discus buoy in deep sea breakers. 1982 , 9, 501-514		3
1948	The real and complex Lorenz equations and their relevance to physical systems. 1983 , 7, 126-134		63
1947	The Stability of Steep Gravity Waves. 1983 , 52, 3047-3055		65
1946	A parabolic equation for the combined refraction diffraction of Stokes waves by mildly varying topography. <i>Journal of Fluid Mechanics</i> , 1983 , 136, 453	3.7	131
1945	Three-dimensional tertiary motions in a plane shear layer. <i>Journal of Fluid Mechanics</i> , 1983 , 135, 1	3.7	65
1944	Waves in meandering streams. <i>Journal of Fluid Mechanics</i> , 1983 , 130, 109	3.7	3
1943	Transition of mechanically generated regular waves to wind waves under the action of wind. Journal of Fluid Mechanics, 1983 , 130, 397	3.7	14
1942	Marginal State of Modulational Instability N ote on Benjamin-Feir Instability□ 1983 , 52, 4129-4137		59
1941	A coupled mode approach to modulation instability and envelope solitons. 1983 , 54, 5608-5612		30
1940	Nonlinear Evolution of the Disturbance in a Natural Convection Induced in a Vertical Fluid Layer. 1983 , 52, 1206-1214		16
1939	High Wave Grouping in Shallow Water. 1984 , 110, 139-157		16
1938	Methods for the numerical solution of the nonlinear Schroedinger equation. 1984 , 43, 21-21		91
1937	The evolution of long-wave solutions to the nonlinear Schro dinger equation. 1984 , 27, 821		7
1936	Nonlinear Self-Contraction of Electron Waves. 1984 , 53, 1233-1235		14
1935	Study of Quasiperiodic Solutions of the Nonlinear Schr¶dinger Equation and the Nonlinear Modulational Instability. 1984 , 53, 218-221		85
1934	Amplitude equations for the onset of convection in a reactive mixture in a porous medium. 1984 , 80, 431-435		21
1933	Analog of the Benjamin-Feir instability near the onset of convection in binary fluid mixtures. 1984 , 29, 2303-2304		11
1932	Instability of periodic capillary-gravity waves on deep water. 1984 , 6, 155-165		8

1931 On the nonlinear waves in a developing process. 1984 , 2, 1-11	3
1930 Nonlinear properties of laboratory wind waves at energy containing frequencies. 1984 , 40, 12-18	6
Characteristics of a breaking wind-wave field in the light of the individual wind-wave concept. 1984 , 40, 105-114	8
1928 Parametric excitation of surface waves. 1984 , 47, 1482-1494	8
Crossover from critical to tricritical behavior in a nonequilibrium system: The convective instability in a binary fluid mixture. 1984 , 30, 3366-3368	20
1926 On the stability of steep gravity waves. 1984 , 396, 269-280	12
1925 Coupled two- and three-dimensional instabilities of surface gravity waves. 1984 , 27, 2595	22
1924 Instabilities of Weakly Nonlinear Standing Gravity Waves. 1984 , 53, 3788-3796	17
1923 Noise-sustained structure, intermittency, and the Ginzburg-Landau equation. 1985 , 40, 371-395	182
1922 Multiple dark soliton solutions of the nonlinear Schr¶dinger equation. 1985 , 107, 55-58	104
1921 On the stability of the nonlinear Schr¶dinger equation. 1985 , 60, 263-281	13
1920 Modulational instability in magnetic fluids. 1985 , 43, 57-64	16
1919 Solitons in anharmonic chains with long-range interactions. 1985 , 18, 1573-1584	32
1918 Nonlinear slowly varying finite depth standing waves. 1985 , 28, 998	1
1917 Modulational instability of ionization waves. 1985 , 57, 822-826	5
1916 New class of instabilities in passive optical cavities. 1985 , 54, 681-684	85
1915 Propagation of envelope soliton of ionization waves. 1985 , 58, 2975-2980	11

1913	Modulational development of nonlinear gravity-wave groups. <i>Journal of Fluid Mechanics</i> , 1985 , 151, 337 3.	·7	14
1912	Bounded solutions of the nonlinear parabolic amplitude equation for plane Poiseuille flow. 1985 , 402, 299-322		16
1911	The fourth-order evolution equation for deep-water gravity-capillary waves. 1985 , 402, 359-372		51
1910	Wave Breaking and Nonlinear Instability Coupling. 1985, 31-38		8
1909	Stability of a Random Inhomogeneous Field of Weakly Nonlinear Surface Gravity Waves with Application to the JONSWAP Study. 1985 , 39-49		1
1908	Split-Step Methods for the Solution of the Nonlinear Schr¶dinger Equation. 1986 , 23, 485-507		261
1907	Blow-up in Nonlinear Schroedinger Equations-I A General Review. 1986 , 33, 481-497		389
1906	On the structure of artificially generated water wave trains. 1986 , 91, 14237		5
1905	Two-dimensional disturbance travel, growth and spreading in boundary layers. <i>Journal of Fluid Mechanics</i> , 1986 , 169, 353	·7	27
1904	Experimental study of the influence of wind on Benjamin E eir sideband instability. <i>Journal of Fluid Mechanics</i> , 1986 , 162, 237	7	48
1903	Stability of water waves. 1986 , 406, 115-125		74
1902	The Weakly Nonlinear Stability of the Two-Dimensional Jet and Wake. 1986 , 55, 106-114		5
1901	A nonlinear theory of water waves for finite and infinite depths. 1986 , 320, 37-70		15
1900	A Note on Modulational Instability of a Nonlinear Klein-Gordon Equation. 1986 , 55, 3851-3856		13
1899	On evolution equations for a three-dimensional surface gravity wave packet in a two-layer fluid. 1986 , 8, 191-204		4
1898	Fourth order evolution equations and stability analysis for stokes waves on arbitrary water depth. 1986 , 8, 455-472		60
1897	Wave group analysis of natural wind waves based on modulational instability theory. 1986 , 10, 341-354		11
1896	Periodic solutions of the Ginzburg-Landau equation. 1986 , 21, 115-125		26

1895 Benjamin-Feir turbulence in convective binary fluid mixtures. 1986 , 23, 345-361		105
1894 Chaos and coherent structures in partial differential equations. 1986 , 18, 85-112		31
On nonlinear instabilities in leap-frog finite difference schemes. 1986 , 67, 372-395		25
1892 On nonlinear sea waves and the induced mean flow. 1986 , 42, 153-160		
1891 Laboratory generation and propagation of ripples. 1986 , 29, 619		4
1890 Commensurate-incommensurate transition in nonequilibrium systems. 1986 , 56, 724-727		108
Dynamics of the classical Heisenberg ferromagnet. 1986 , 34, 1937-1939		10
The modulation of weakly non-linear dispersive waves near the marginal state of instability. 1987 , 20, 2025-2036		55
Local frequency spectra for nonlinear wave equations. 1987 , 20, 3279-3291		2
1886 Nonlinear effects in optical fibres and fibre devices. 1987 , 134, 138		3
The two-dimensional stability of periodic and solitary wave trains on a water surface over arbitrary depth. 1987 , 30, 2330		10
1884 The Propagation of Nonlinear Wave Packets in a Shear Flow with a Free Surface. 1987 , 76, 69-92		16
1883 A new numerical method for surface hydrodynamics. 1987 , 92, 11803		261
1882 Laboratory Study of Steep and Breaking Deep Water Waves. 1987 , 113, 493-506		20
The Benjamin-Feir instability of a deep-water Stokes wavepacket in the presence of a non-uniform medium. <i>Journal of Fluid Mechanics</i> , 1987 , 176, 311	7	31
$_{ m 1880}$ Boundary Integral Equation Method for Limit Surface Gravity Waves. 1987 , 113, 347-363		1
1879 Modulation instability induced by cross-phase modulation. 1987 , 59, 880-883		368
1878 Recurrence in Semidiscrete Approximations of the Nonlinear Schr¶dinger Equation. 1987 , 8, 988-1004		10

1877 Nonli	near evolution equations, rescalings, model PDES and their integrability: I. 1987 , 3, 229-262		171
1876 Wate	r-Wave Modulation. 1987 , 163		3
1875 Wave	Group Property of Wind Waves from Modulational Instability. 1987, 565		
1874 On th	e Growth of Water Waves by Turbulent Wind. 1987 , 578		
1873 On th	e local equilibrium of winds and wind-waves in relation to surface drag. 1987 , 43, 28-36		35
1872 Quas i	periodie Solutions of the Nonlinear Schr¶dinger Equation. 1987 , 35, 519-536		9
1871 Instal	pility of capillary-gravity waves in water of arbitrary uniform depth. 1987 , 9, 483-492		2
1870 Nonli	near surface waves on a ferromagnetic fluid of variable depth. 1987 , 9, 563-574		1
	ity analysis of finite difference schemes for quantum mechanical equations of motion. 1987 , 04-512		36
1868 Nonli	near Schr¶dinger solitons in the forced toda lattice. 1987 , 25, 361-368		10
1867 Analy	tical instability of the Klein-Gordon equation. 1988 , 21, 17-26		3
1866 On m	odulational instabilities in discretisations of the Korteweg-de Vries equation. 1988 , 79, 167-183		6
	cosecond-pulse generation through cross-phase-modulation-induced modulational instability ical fibers. 1988 , 13, 901-3		46
The n 1864 194, 3	onlinear stability of dynamic thermocapillary liquid layers. <i>Journal of Fluid Mechanics</i> , 1988 , 191	3.7	39
1862	atory spatially periodic weakly nonlinear gravity waves on deep water. <i>Journal of Fluid</i> anics, 1988 , 191, 341	3.7	11
1862 Defe	t-Mediated Turbulence in Wave Patterns. 1988 , 7, 511-516		57
	lational polarization instability of light in a nonlinear birefringent dispersive medium. 1988 , 18-2021		141
1860 Struc	ture of nonlinear traveling-wave states in finite geometries. 1988 , 38, 3593-3600		121

1859 Localized, time-dependent state in the convection of a nematic liquid crystal. 1988 , 60, 2164-2167	119
1858 Modulational instability oscillation in nonlinear dispersive ring cavity. 1988 , 38, 5193-5196	62
On the Absolute/Convective Nature of Primary and Secondary Instabilities. 1988 , 340-353	6
1856 Perturbation-induced decay of an envelope soliton. 1988, 38, 66-74	19
1855 Nonlinear capillary-gravity waves in magnetic fluids. 1989 , 47, 59-70	6
1854 Vibron solitons. 1989 , 39, 5366-5385	20
1853 Eckhaus instabilities in generalized Landaullinzburg equations. 1989, 1, 1745-1747	3
1852 Modulation instability induced by cross-phase modulation in optical fibers. 1989 , 39, 3406-3413	121
Propagative patterns in the convection of a nematic liquid crystal. 1989 , 5, 717-724	4
1850 Chapter 5 Wave Modulation and Breaking. 1989 , 48, 157-177	
A study of the nonlinear behavior of the modulational instability of circularly polarized MHD waves. 1849 1989 , 40, 206-218	2
$_{f 1}848$ Rhythms and patterns transitions. 1989 , 40, 398-408	1
Nonlinear Instability in Dissipative Finite Difference Schemes. 1989 , 31, 191-220	32
1846 A form of turbulence associated with defects. 1989 , 37, 91-103	51
Nonlinear waves of the oscillatory instability on finite convective rolls. 1989 , 37, 300-314	42
1844 Pattern selection and transition to turbulence in propagating waves. 1989 , 37, 359-383	73
Pattern selection and transition to turbulence in propagating waves. 1989 , 37, 359-383 Phase dynamics in aligned coordinate frame. 1989 , 36, 1-22	73

1841	Localized structures in surface waves. 1989 , 40, 3226-3229	59
1840	Sideband damping of water waves over a soft bed. <i>Journal of Fluid Mechanics</i> , 1989 , 201, 189 3.7	14
1839	Dynamics of solitons in nearly integrable systems. 1989 , 61, 763-915	1346
1838	Ultrashort pulse train generation through induced modulational polarization instability in a birefringent Kerr-like medium. 1989 , 6, 238	62
1837	Parametric amplification and modulational instabilities in dispersive nonlinear directional couplers with relaxing nonlinearity. 1989 , 6, 889	69
1836	. 1989 , 25, 2036-2044	50
1835	Numerically induced chaos in the nonlinear Schr¶dinger equation. 1989 , 62, 2065-2068	128
1834	Nonlinear competition between waves on convective rolls. 1989 , 39, 2765-2768	38
1833	The modulational instability of coupled waves. 1989 , 1, 230-237	77
1832	EVOLUTION OF WAVE PACKET ON MILDLY VARYING TOPOGRAPHY. 1989 , 1989, 205-213	
1831	The modulational instability of colinear waves. 1990 , T30, 31-40	29
1830	Linearization of a Novel Nonlinear Integro-Differential Evolution Equation and Its Exact Solutions. 1990 , 59, 1523-1525	2
1829	The Rayleigh-Taylor Instability and Nonlinear Waves. 1990 , 59, 3182-3193	32
1828	A generalized sideband stability theory via center manifold projection. 1990 , 2, 1364-1379	24
1827	Modulational instabilities of electromagnetic and electrostatic waves in plasmas. 1990 , T30, 24-30	8
1826	Geometry of the modulational instability. 1990 , 43, 349-384	117
1825	Nonlinear Marangoni instability in dielectric superposed fluids. 1990 , 41, 669-683	4
1824	Infragravity waves and nearshore bars in protected, storm-dominated coastal environments. 1990 , 94, 181-203	26

1823 Maximum amplitude of modulated wavetrain. 1990 , 12, 559-568	20
1822 Potential for the Complex Ginzburg-Landau Equation. 1990 , 13, 715-720	6
1821 Nonlinear development of modulated two-dimensional gravity wavetrains in deep water. 1990 , 23, 4289-4	295 1
$_{ m 1820}$ Homoclinic crossings and pattern selection. 1990 , 64, 412-414	85
Pseudorecurrence in two-dimensional modulation instability with a saturable self-focusing nonlinearity. 1990 , 65, 1423-1426	34
1818 Onset of chaos in the generalized Ginzburg-Landau equation. 1990 , 42, 6238-6240	12
Dispersive chaos in one-dimensional traveling-wave convection. 1990 , 65, 1579-1582	71
Stabilization of relativistic self-focusing of intense subpicosecond ultraviolet pulses in plasmas. 1990 , 65, 1753-1756	55
1815 Traveling waves and pulses in a two-dimensional large-aspect-ratio system. 1990 , 42, 7195-7203	45
1814 Steady-state ensemble for the complex Ginzburg-Landau equation with weak noise. 1990 , 42, 4661-4677	49
1813 Josephson superlattices and low-amplitude gap solitons. 1990 , 41, 10387-10397	31
1812 Solitons and their observable signatures in quasi-one-dimensional systems. 1990, 1-15	
1811 On the stability of gravity waves on deep water. <i>Journal of Fluid Mechanics</i> , 1990 , 218, 163	7 14
$_{1}8_{10}$ Modulational instability for normal dispersion. 1990 , 42, 682-685	150
1809 Sideband instability and recurrence of Kelvin waves on vortex cores. 1990 , 64, 1385-1388	25
$_{ m 1808}$ Modulational-induced optical pattern formation in a passive optical-feedback system. 1990 , 7, 1039	30
Observation of the buildup of modulational instability from wave breaking. 1991 , 16, 18-20	31
1806 Dynamics of the nonlinear modulational instability in optical fibers. 1991 , 16, 986-8	128

1805	Instability and disturbance amplification in a mixed-convection boundary layer. <i>Journal of Fluid Mechanics</i> , 1991 , 229, 115	14
1804	Thermocapillary stabilization of the capillary breakup of an annular film of liquid. <i>Journal of Fluid Mechanics</i> , 1991 , 229, 205	15
1803	Fourth-order nonlinear evolution equation for two Stokes wave trains in deep water. 1991 , 3, 3021-3026	40
1802	References. 1991 , 459-512	1
1801	Surface waves on viscous magnetic fluid flow down an inclined plane. 1991 , 3, 439-445	17
1800	Soliton turbulence and strange attractor. 1991 , 3, 2709-2715	9
1799	Nonlinear waves: change of structure and collapse. 1991 , 52, 129-141	3
1798	Self-stretching of perturbed vortex filaments. 1991 , 53, 267-294	31
1797	Dynamics of phase singularities in two-dimensional oscillating systems. 1991 , 53, 385-399	19
1796	Localized bifurcations and defect instabilities in the convection of a nematic liquid crystal. 1991 , 64, 981-100	5 38
1795	Modulational instabilities and soliton solutions of a generalized nonlinear Schrodinger equation. 1991 , 24, L1149-L1153	31
1794	On the modulation instability of nonlinear Schrodinger equations. 1991 , 24, 2715-2722	
1793	Space and time intermittency behaviour of a one-dimensional complex Ginzburg-Landau equation. 1991 , 4, 1213-1222	15
1792	A variational principle for linear and nonlinear wave propagation in a dissipative medium. 1991 , 43, 236-239	2
1791	Modulational instability and gap solitons in a finite Josephson transmission line. 1991 , 43, 7297-7300	14
1790	Generation of pulse trains in the normal dispersion regime of a dielectric medium with a relaxing nonlinearity. 1991 , 59, 2489-2491	18
1789	Gap solitons in nonlinear electrical superlattices. 1991 , 70, 4544-4550	13
1788	Bifurcations and three-wave-mixing instabilities in nonlinear propagation in birefringent dispersive media. 1991 , 44, 7509-7523	17

1787	Extended states of nonlinear traveling-wave convection. I. The Eckhaus instability. 1992 , 46, 6431-6451		43
1786	Modulation instability of the lowest nonlinear mode of a cylindrical waveguide. 1992 , 46, 430-435		3
1785	Dynamics of the globally coupled complex Ginzburg-Landau equation. 1992 , 46, R7347-R7350		147
1784	Eckhaus and Benjamin-Feir instabilities near a weakly inverted bifurcation. 1992 , 45, 3732-3736		14
1783	Basic dynamic properties of the high-order nonlinear Schr¶dinger equation. 1992 , 46, 2277-2285		52
1782	Modulational instabilities in discrete lattices. 1992 , 46, 3198-3205		348
1781	Pattern form and homoclinic structure in Zakharov equations. 1992 , 45, 6109-6112		7
1780	STABILITY OF AXISYMMETRIC WAVES ON LIQUID FILMS FLOWING DOWN A VERTICAL COLUMN TO AZIMUTHAL AND STREAMWISE DISTURBANCES. 1992 , 118, 327-340		16
1779	Instability of Three Dimensional Waves in Two Layered Flows. 1992 , 86, 269-280		
1778	Effect of finite spectral width on the modulational instability of AlfvE waves. 1992 , 47, 521-531		1
1777	Subharmonic instabilities of finite-amplitude monochromatic waves. 1992 , 4, 505-523		25
1776	On the stability of weakly nonlinear short waves on finite-amplitude long gravity waves. <i>Journal of Fluid Mechanics</i> , 1992 , 243, 51	3.7	8
1775	Evolution of a short surface wave on a very long surface wave of finite amplitude. <i>Journal of Fluid Mechanics</i> , 1992 , 235, 415	3.7	22
1774	Secondary instabilities of convection in a shallow cavity. <i>Journal of Fluid Mechanics</i> , 1992 , 234, 147	3.7	8
1773	Dynamics of spiral waves in a spatially inhomogeneous Hopf bifurcation. 1992 , 45, R567-R570		45
1772	Space-time dynamics of wide-gain-section lasers. 1992 , 45, 8129-8137		174
1771	Nonlinear stability of resonant capillary-gravity waves. 1992 , 15, 267-283		22
1770	Pattern formation in the strong resonant forcing of spatially distributed oscillators. 1992 , 188, 190-200		38

1769 Defect-mediated spatial complexity and chaos in a phase-conjugate resonator. 1992 , 91, 321-330	22
Gradient expansion of the nonequilibrium potential for the supercritical Ginzburg-Landau equation. 1992 , 170, 84-90	22
1767 Spatiotemporal chaos in the one-dimensional complex Ginzburg-Landau equation. 1992 , 57, 241-248	180
1766 The Eckhaus instability for traveling waves. 1992 , 55, 269-286	120
Strong resonances of spatially distributed oscillators: a laboratory to study patterns and defects. 1992 , 61, 119-131	163
1764 Fronts, pulses, sources and sinks in generalized complex Ginzburg-Landau equations. 1992 , 56, 303-367	431
1763 Nonlinear propagation of wave packets in superposed magnetic fluids. 1992 , 107, 1279-1289	4
Effect of Finite Spectral Width on the Modulational Instability of Langmuir Waves described by a Nonlinear Schr¶dinger Equation. 1992 , 32, 101-107	
Some results on the stability and dynamics of finite difference approximations to nonlinear partial differential equations. 1993 , 9, 117-133	1
1760 Localized modes in a chain with nonlinear on-site potential. 1993 , 173, 172-178	83
1759 Competition between dispersion and nonlinearity in deep water waves. 1993 , 12, 281-291	1
1758 Wave grouping and sequential correlation, field studies in Italian coastal areas. 1993 , 21, 271-300	3
1757 Pattern formation outside of equilibrium. 1993 , 65, 851-1112	5971
1756 Sources and sinks of wave patterns. 1993 , 62, 75-79	34
1755 Ultra-Wideband, Short-Pulse Electromagnetics. 1993 ,	21
1754 Energy localization in nonlinear lattices. 1993 , 70, 3935-3938	190
1753 Onset of spatially chaotic waves on flowing films. 1993 , 70, 2289-2292	64
1752 Modulational instability of a wave scattered by a nonlinear center. 1993 , 47, 10402-10406	57

1751 Energy self-localization and gap local puls	es in a two-dimensional nonlinear lattice. 1993 , 47, 14866-14874	39
1750 Vector order parameter for an unpolarize	d laser and its vectorial topological defects. 1993 , 70, 162-165	58
1749 Approach to chaos through instabilities. 1	993 , 65, 1535-1543	7
$_{ m 1748}$ Derivation of amplitude equations and an	alysis of sideband instabilities in two-layer flows. 1993 , 5, 2738-2762	2 37
On Spectral Instabilities and Development Trains. 1993 , 658	t of Non-Linearities in Propagating Deep-Water Wave	1
1746 Focusing and defocusing of electromagne	tic waves in a ferromagnet. 1994 , 27, 3245-3256	20
1745 Modulational instabilities in the discrete of	deformable nonlinear Schr¶dinger equation. 1994 , 49, 3543-3546	63
Benjamin-Feir-type instability in a saturate regimes for polarized electromagnetic wa	ed ferrite: Transition between focusing and defocusing ves. 1994 , 50, 2275-2286	31
1743 Traveling waves on vertical films: Numeric	tal analysis using the finite element method. 1994 , 6, 2202-2220	104
1742 Stability of a layer of viscous magnetic flu	id flow down an inclined plane. 1994 , 6, 3235-3246	17
Laboratory-generated, shallow-water surf transform. 1994 , 6, 1727-1744	ace waves: Analysis using the periodic, inverse scattering	41
Pattern structures on generalized nonline 17 40 1994 , 50, 4136-4155	ar Schr¶dinger equations with various nonlinear terms.	20
Nonlinear electrohydrodynamic instability perpendicular field. 1994 , 207, 561-573	of capillary- gravity waves under the influence of a	4
Sideband evolution of a complex Ginzburg and its resulting new aperiodic attractor. 1738	g-Landau equation: a three-dimensional dynamical system 1994 , 72, 48-60	2
Extended modulational instability and new equations. 1994 , 185, 265-272	w type of solitary wave in coupled nonlinear Schr¶dinger	19
1736 A possible mechanism for frequency dowr	n-shift in nonlinear wave modulation. 1994 , 20, 99-110	11
1735 On the propagation of nonlinear travelling	g waves in an incompressible elastic plate. 1994 , 19, 271-292	25
1734 Modulational instability in optical fibers n	ear the zero dispersion point. 1994 , 108, 60-64	44

1733	Nonlinear transverse modes of large-aspect-ratio homogeneously broadened lasers: I. Analysis and numerical simulation. 1994 , 49, 4189-4200	65
1732	Nonequilibrium potential for the Ginzburg-Landau equation in the phase-turbulent regime. 1994 , 93, 509-513	20
1731	Further results on the stability of symmetric and asymmetric resonant capillary-gravity waves. 1994 , 11, 465-483	4
1730	Generation of envelope and hole solitons in an experimental transmission line. 1994 , 49, 828-835	149
1729	Vector soliton associated with polarization modulational instability in the normal-dispersion regime. 1994 , 49, 3389-3399	34
1728	Modulational instability of continuous waves and one-dimensional temporal solitons in fiber arrays. 1994 , 19, 1186-8	47
1727	. 1994 , 30, 37-45	70
1726	Stability analysis from fourth order evolution equation for small but finite amplitude interfacial waves in the presence of a basic current shear. 1994 , 35, 348-365	9
1725	Stability theory for periodic pulse train solutions of the nonlinear Schr¶dinger equation. 1994 , 52, 123-140	15
1724	Taylor-Couette Instability With a Continuous Spectrum. 1995 , 62, 915-923	7
1723	The dynamics of spatiotemporal modulations. 1995 , 5, 578-588	8
1722	Nonlinear evolution of whistler wave modulational instability. 1995 , 2, 3302-3319	7
1721	Wave Number Downshift in Modulated Wavetrain through a Nonlinear Damping Effect. 1995 , 64, 4660-4669	17
1720	Propagative Sine-Gordon solitons in the spatially forced Kelvin-Helmholtz instability. 1995 , 80, 333-355	3
1719	Asymptotically exact Zakharov equations and the stability of water waves with bimodal spectra. 1995 , 81, 341-373	3
1718	Editors' introduction. 1995 , 87, vii-ix	
1717	Fourth-order theory for multiple-wave interaction. 1995 , 25, 43-63	10
1716	A proof of the Benjamin-Feir instability. 1995 , 133, 145-198	55

1715	All-optical-switching and pulse amplification and steering in nonlinear fiber arrays. 1995 , 87, 262-272	30
1714	Modulational instability analysis of surface-waves in the BBard-Marangoni phenomenon. 1995 , 87, 356-360	2
1713	Dynamics of induced modulational instability in waveguides with saturable nonlinearity. 1995 , 121, 69-72	18
1712	Chaotic and fractal properties of laboratory-generated surface water waves. 1995 , 18, 195-207	
1711	Effects from Directionality and Spectral Bandwidth on Non-Linear Spatial Modulations of Deep-Water Surface Gravity Wave Trains. 1995 , 579	5
1710	Four-photon homoclinic instabilities in nonlinear highly birefringent media. 1995 , 51, 774-791	16
1709	Electron-phonon interaction, localization, and polaron formation in one-dimensional systems. 1995 , 51, 15038-15052	44
1708	Periodical waves, domain walls, and modulational instability in dispersive quadratic nonlinear media. 1995 , 51, 4994-4998	29
1707	Evolution equations which model the ripples arising from an adjacent mode interaction. 1995 , 10, 163-178	
1706	SEA FLOOR DYNAMICS. 1995 , 77-123	16
,	SEA FLOOR DYNAMICS. 1995 , 77-123 A stochastic approach to the theory of nonlinear wave trains near marginal stability. 1995 , 51, 154-158	16
1705		16
1705	A stochastic approach to the theory of nonlinear wave trains near marginal stability. 1995 , 51, 154-158	
1705 1704	A stochastic approach to the theory of nonlinear wave trains near marginal stability. 1995 , 51, 154-158 Distributed defects in mature dissipative structures. 1995 , 52, 492-497 Stability analysis of relativistic and charge-displacement self-channelling of intense laser pulses in	1
1705 1704 1703	A stochastic approach to the theory of nonlinear wave trains near marginal stability. 1995 , 51, 154-158 Distributed defects in mature dissipative structures. 1995 , 52, 492-497 Stability analysis of relativistic and charge-displacement self-channelling of intense laser pulses in underdense plasmas. 1995 , 37, 569-597 Modulational instability of two counterpropagating waves in an experimental transmission line.	77
1705 1704 1703 1702	A stochastic approach to the theory of nonlinear wave trains near marginal stability. 1995, 51, 154-158 Distributed defects in mature dissipative structures. 1995, 52, 492-497 Stability analysis of relativistic and charge-displacement self-channelling of intense laser pulses in underdense plasmas. 1995, 37, 569-597 Modulational instability of two counterpropagating waves in an experimental transmission line. 1995, 51, 817-820	1 77 37
1705 1704 1703 1702 1701	A stochastic approach to the theory of nonlinear wave trains near marginal stability. 1995, 51, 154-158 Distributed defects in mature dissipative structures. 1995, 52, 492-497 Stability analysis of relativistic and charge-displacement self-channelling of intense laser pulses in underdense plasmas. 1995, 37, 569-597 Modulational instability of two counterpropagating waves in an experimental transmission line. 1995, 51, 817-820 Modulational instability in second-harmonic generation. 1995, 20, 438-40	1 77 37 99

1697	Break-up of two-dimensional bright spatial solitons due to transverse modulation instability. 1996 , 35, 25-30	50
1696	Role of nonlinear dispersion in the dynamics of induced modulational instability in Kerr media. 1996 , 13, 848	9
1695	The Role of Surface-Wave Breaking in Air-Sea Interaction. 1996 , 28, 279-321	372
1694	Onset of chaos in the weakly dissipative two-dimensional complex Ginzburg-Landau equation. 1996 , T67, 143-147	6
1693	Some Properties of Nonlinear Wave Systems. 1996 , 96, 111-139	37
1692	Periodic patterns, linear instability symplectic structure and mean-flow dynamics for three-dimensional surface waves. 1996 , 354, 533-574	12
1691	Solitons and modulational instability. 1996 , 51, 297-303	0
1690	Extreme waves in shallow and intermediate water depths. 1996 , 27, 21-46	34
1689	Periodic solutions for a complex Hamiltonian system: New standing water-waves. 1996 , 24, 139-150	19
1688	Conjectures about phase turbulence in the complex Ginzburg-Landau equation. 1996 , 90, 96-106	13
1687	Numerical study of a Lyapunov functional for the complex Ginzburg-Landau equation. 1996 , 96, 47-65	27
1686	Differential flow instability in the Ginzburg-Landau and Swift-Hohenberg approximations. 1996 , 95, 306-318	3
1685	Peak point displacement in the two-dimensional nonlinear Schr¶dinger equation. 1996 , 216, 247-254	3
1684	Integrability of nonlinearly coupled helicons and phonons in strongly magnetized dispersive media. 1996 , 217, 289-293	3
1683	Modulational instability in optical fibers with variable dispersion. 1996 , 220, 213-218	59
1682	Evolution equations and stability results for finite-depth Wilton ripples. 1996 , 31, 41-57	4
1681	Parametric waves in birefringent fiber oscillators. 1996 , 124, 628-641	1
1680	Envelope solitary Rossby waves and modulational instabilities of uniform Rossby wave trains in two space dimensions. 1996 , 24, 315-325	14

1679	A bound on the decay of defect-defect correlation functions in two-dimensional complex order parameter equations. 1996 , 99, 252-268	11
1678	The Mechanism for Frequency Downshift in Nonlinear Wave Evolution. 1996 , 59-117C	152
1677	Noise-sustained structures in coupled complex Ginzburg-Landau equations for a convectively unstable system. 1996 , 54, 6344-6355	13
1676	Modulation instability and recurrence phenomena in anharmonic lattices. 1996 , 54, 3257-3265	17
1675	Propagation of light beams in anisotropic nonlinear media: From symmetry breaking to spatial turbulence. 1996 , 54, 870-879	142
1674	Eckhaus-Benjamin-Feir instability in systems with temporal modulation. 1996 , 54, 5161-5168	3
1673	Modulational instability: first step towards energy localization in nonlinear lattices. 1997 , 10, 617-630	136
1672	Pattern selection and the effect of group velocity on interacting oscillatory and stationary instabilities. 1997 , 55, 6887-6897	5
1671	Polarization Symmetry Breaking and Pulse Train Generation from the Modulation of Light Waves. 1997 , 79, 661-664	26
1670	On the motion of slender vortex filaments. 1997 , 9, 970-981	25
1669	Parametric forcing of waves with a nonmonotonic dispersion relation: Domain structures in ferrofluids. 1997 , 55, 5448-5454	13
1668	Modulational Instability Induced by Cavity Boundary Conditions in a Normally Dispersive Optical Fiber. 1997 , 79, 4139-4142	133
1667	Eckhaus-Benjamin-Feir Instability in Rotating Convection. 1997 , 78, 4391-4394	30
1666	Target patterns arising from the short-wave instability in near-critical regimes of reaction-diffusion systems. 1997 , 56, 2412-2417	8
1665	Wound-up phase turbulence in the complex Ginzburg-Landau equation. 1997 , 56, 151-167	39
1664	Oscillations and spatiotemporal chaos of one-dimensional fluid fronts. 1997 , 55, 4274-4287	27
1663	Cell Formation in Cylinder Wakes at Low Reynolds Numbers. 1997 , 78, 1259-1262	9
1662	Instability of continuous waves and rotating solitons in waveguide arrays. 1997 , 55, 7662-7668	38

1661	Finite-amplitude perturbations and modulational instability of a stable geostrophic front. 1997 , 86, 149-	·172	4
1660	Reappraisal of the KelvinHelmholtz problem. Part 2. Interaction of the KelvinHelmholtz, superharmonic and BenjaminHeir instabilities. <i>Journal of Fluid Mechanics</i> , 1997 , 333, 327-373	3.7	31
1659	Nonlinear ripples of KelvinHelmholtz type which arise from an interfacial mode interaction. <i>Journal of Fluid Mechanics</i> , 1997 , 341, 295-315	3.7	14
1658	Nonlinear Travelling Waves in a Neo-Hookean Plate Subjected to a Simple Shear. 1997 , 2, 27-48		5
1657	Multi-symplectic structures and wave propagation. 1997 , 121, 147-190		289
1656	Inside the sea-spike: low grazing angle radar imaging of laboratory waves repeatedly breaking in wave groups.		3
1655	Wave interactions and the transition to chaos of baroclinic waves in a thermally driven rotating annulus. 1997 , 355, 101-153		53
1654	Primary and secondary instabilities in the wake of a cylinder with free ends. <i>Journal of Fluid Mechanics</i> , 1997 , 332, 295-339	3.7	16
1653	Chaotic nucleation of metastable domains. 1997 , 56, R2359-R2362		15
1652	Nonlinear wave collapse and strong turbulence. 1997 , 69, 507-574		331
1651	Roles of sideband instability and mode coupling in forming a water-wave chaos. 1997 , 26, 163-185		7
1650	Exact solutions in the FPU oscillator chain. 1997 , 103, 251-272		102
1649	Collective chaos and noise in the globally coupled complex Ginzburg-Landau equation. 1997 , 103, 273-2	93	24
1648	Upstream-advancing waves generated by a current over a sinusoidal bed. 1997 , 21, 1-28		2
1647	The empirical mode decomposition and the Hilbert spectrum for nonlinear and non-stationary time series analysis. 1998 , 454, 903-995		12098
1646	Nonlinear EHD Stability of the Interfacial Waves of Two Superposed Dielectric Fluids. 1998 , 200, 203-219	9	15
1645	A fractional step method for unsteady free-surface flow with applications to non-linear wave dynamics. 1998 , 28, 293-315		123
1644	Benjamin-feir and eckhaus instabilities with galilean invariance: the case of interfacial waves in viscous shear flows. 1998 , 17, 1-18		13

1643 A generic mechanism for spatiotemporal intermittency. 1998 , 257, 45-60	14
1642 Dynamics of a creep-slip model of earthquake faults. 1998 , 260, 391-417	3
Two-dimensional modulation and instabilities of flexural waves of a thin plate on nonlinear elastic foundation. 1998 , 27, 341-354	8
1640 Simple theories of complex lattices. 1998 , 123, 403-424	10
1639 Frequency analysis of discrete breather modes using a continuous wavelet transform. 1998 , 123, 437-447	6
1638 Wave collapse in physics: principles and applications to light and plasma waves. 1998 , 303, 259-370	569
Nonlinear dynamics of the FrenkelKontorova model. 1998 , 306, 1-108	490
Double Phase Slips and Spatiotemporal Chaos in a Model for Parametrically Excited Standing Waves. 1998 , 59, 900-919	2
1635 Breather solutions to the focusing nonlinear Schr¶dinger equation. 1998 , 57, 3510-3519	90
Observation of induced modulational polarization instabilities and pulse-train generation in the normal-dispersion regime of a birefringent optical fiber. 1998 , 15, 1266	47
Large-signal enhanced frequency conversion in birefringent optical fibers: theory and experiments. 1998 , 15, 2537	10
Wind-wave tank measurements of bound and freely propagating short gravity-capillary waves. 1998 , 103, 21697-21709	27
1631 Modulational instability of nonlinear spin waves in easy-axis antiferromagnetic chains. 1998 , 57, 3433-3443	45
1630 On the chance of freak waves at sea. <i>Journal of Fluid Mechanics</i> , 1998 , 355, 113-138	146
On phase kinks, negative frequencies, and other third-order peculiarities of modulated surface waves. <i>Journal of Fluid Mechanics</i> , 1998 , 368, 321-338	13
1628 Nonlinear dynamics of a continuous spring - block model of earthquake faults. 1998 , 31, L185-L191	6
1627 EHD Envelope Solitons of Capillary-Gravity Waves in Fluids of Finite Depth. 1998 , 57, 161-170	15
Nonlinear excitations in ferromagnetic chains with nearest- and next-nearest-neighbor exchange interactions. 1998 , 58, 9194-9206	20

1625	Supercritical Eckhaus Instability for Surface-Tension-Driven Hydrothermal Waves. 1998 , 80, 4661-4664		50
1624	Observation of a Novel Large-Signal Four-Photon Instability in Optical Wave Mixing. 1998 , 80, 504-507		10
1623	Asymmetric gap soliton modes in diatomic lattices with cubic and quartic nonlinearity. 1998 , 57, 5746-5	757	39
1622	The Revised Modulational Instability Criterion: I T he Mono-Inductance Transmission Line. 1998 , 57, 410-415		16
1621	On the determination of the onset of breaking for modulating surface gravity water waves. <i>Journal of Fluid Mechanics</i> , 1998 , 367, 107-137	3.7	75
1620	Weakly nonlinear shear waves. <i>Journal of Fluid Mechanics</i> , 1998 , 372, 71-91	3.7	14
1619	Sir James Lighthill and modern fluid mechanics: a memorial tribute. 1999 , 22, 667-688		
1618	Multiscale analysis of discrete nonlinear evolution equations. 1999 , 32, 2845-2869		35
1617	A new approach to high-order Boussinesq models. <i>Journal of Fluid Mechanics</i> , 1999 , 399, 319-333	3.7	118
1616	Laboratory observations of wave group evolution, including breaking effects. <i>Journal of Fluid Mechanics</i> , 1999 , 378, 197-232	3.7	187
1615	Growing-and-decaying mode solution to the Davey-Stewartson equation. 1999 , 60, 2297-305		44
1614	Modulational instability of electromagnetic waves in birefringent fibers with periodic and random dispersion. 1999 , 60, 1042-50		17
1613	Discreteness-Induced Oscillatory Instabilities of Dark Solitons. 1999 , 82, 85-88		102
1612	Nonlinear traveling waves in rotating Rayleigh-Bflard convection: Stability boundaries and phase diffusion. 1999 , 59, 4091-4105		32
1611	Modulational instability of bright solitary waves in incoherently coupled nonlinear Schr¶dinger equations. 1999 , 60, 1019-29		14
1610	Transverse oscillation arising from spatial soliton formation in nonlinear optical cavities. 1999 , 59, 3953-	-3958	16
1609	On short-crested waves: experimental and analytical investigations. 1999 , 18, 889-930		28
1608	Interaction between a stokes wave packet and a solitary wave. 1999 , 18, 67-91		12

1607	Nonlinear nanoscale localization of magnetic excitations in atomic lattices. 1999 , 314, 147-236	73
1606	EHD self-modulation of capillary-gravity waves on a liquid layer of uniform depth. 1999 , 269, 235-251	9
1605	Unsteady water wave modulations: fully nonlinear solutions and comparison with the nonlinear Schr¶dinger equation. 1999 , 29, 341-361	153
1604	Sideband instability and modulations of Faraday waves. 1999 , 30, 43-55	21
1603	Secondary instabilities of interfacial waves due to coupling with a long wave mode in a two-layer Couette flow. 1999 , 125, 311-324	14
1602	Description of arbitrary deformation of deep water waves with fractional derivatives. 1999 , 25, 113-128	
1601	Weakly Nonlinear Evolution of a Wave Packet in a Zonal Mixing Layer. 1999 , 102, 69-85	5
1600	Attenuation of ultrasonic Rayleigh[lamb waves by small horizontal defects in thin aluminium plates. 1999 , 41, 581-594	13
1599	On the stability and nonlinear dynamics of ocean-like wave systems with energy continuously distributed in direction. 1999 , 35, 59-70	1
1598	Special issue on ocean mechanics and a dedication to Sir James Lighthill. 1999 , 35, 1-4	
1597	Discrete Instability in Nonlinear Lattices. 1999 , 83, 2324-2327	28
1596	Correlation of hydrodynamic features with LGA radar backscatter from breaking waves. 1999 , 37, 2442-2460	30
1595	Stability of flexural-gravity waves and quadratic interactions. 1999 , 34, 78-86	1
1595 1594	Stability of flexural-gravity waves and quadratic interactions. 1999 , 34, 78-86 Modulation instability of soliton trains in fiber communication systems. 1999 , 120, 997-1008	1
373		
1594	Modulation instability of soliton trains in fiber communication systems. 1999 , 120, 997-1008	6
1594	Modulation instability of soliton trains in fiber communication systems. 1999, 120, 997-1008 NONLINEAR GRAVITY AND CAPILLARY-GRAVITY WAVES. 1999, 31, 301-346 Instabilities and oscillations of one and two dimensional Kadomtsev Petviashvili waves and	231

1589	Stability Regimes of Finite Depth Short-Crested Water Waves. 1999 , 29, 2318-2331		11
1588	Modulation of Bichromatic Wave Train in a Wave Tank. 1999 , 656		
1587	Experiments on nonlinear gravitydapillary waves. Journal of Fluid Mechanics, 1999, 380, 205-232	3.7	12
1586	The effect of non-uniformity of modulated wavepackets on the mechanism of BenjaminHeir instability. <i>Journal of Fluid Mechanics</i> , 1999 , 399, 237-249	3.7	7
1585	Experimental Study of Wave Breaking and Blocking on Opposing Currents. 1999 , 759		4
1584	?????????????. 2000 , 47, 11-15		
1583	Dissipative dynamics of an open Bose Einstein condensate. 2000 , 179, 149-156		11
1582	Internal wave reflection in uniform shear. 2000 , 126, 3255-3286		19
1581	Wave-envelope steepening in the Blasius boundary-layer. 2000 , 19, 871-888		4
1580	Instability of parametrically second- and third-subharmonic resonances governed by nonlinear Shr¶dinger equations with complex coefficients. 2000 , 11, 1773-1787		12
1579	Amplitude equations for description of chemical reaction diffusion systems. 2000, 337, 193-235		69
1578	The initialization of nonlinear waves using an adjustment scheme. 2000 , 32, 307-317		65
1577	Stability of oscillating hexagons in rotating convection. 2000 , 143, 187-204		6
1576	Criteria for the stability of spatial extensions of fixed points and periodic orbits of differential equations in dimension 2. 2000 , 146, 121-136		1
1575	Modulational instability induced by randomly varying coefficients for the nonlinear Schr¶dinger equation. 2000 , 145, 65-83		19
1574	Symmetry and chaos in the complex Ginzburg[landau equation. II. Translational symmetries. 2000 , 135, 79-97		9
1573	Self-focusing and transverse instabilities of solitary waves. 2000 , 331, 117-195		305
1572	Nonfocusing Instabilities in Coupled, Integrable Nonlinear Schr¶dinger pdes. 2000 , 10, 291-331		58

1571	Solitary waves in media with dispersion and dissipation (a review). 2000 , 35, 157-176	16
1570	BIFURCATION MECHANISM FOR GENERATION OF RANDOM DEEP-WATER STOKES WAVES. 2000 , 2000, 27-36	
1569	Strong four-photon conversion regime of cross-phase-modulation-induced modulational instability. 2000 , 61, 3139-3150	24
1568	Modulation instability of incoherent beams in noninstantaneous nonlinear media. 2000 , 84, 467-70	181
1567	Stability analysis of plane wave solutions of the discrete ginzburg-landau equation. 2000 , 61, 390-3	19
1566	Optical solitons: Perspectives and applications. 2000 , 10, 471-474	37
1565	Chaotic and turbulent behavior of unstable one-dimensional nonlinear dispersive waves. 2000 , 41, 4125-4153	29
1564	Modulated periodic stokes waves in deep water. 2000 , 84, 887-90	51
1563	Experimental demonstration of the Fermi-Pasta-Ulam recurrence in a modulationally unstable optical wave. 2001 , 87, 033902	128
1562	A unified theory for modeling water waves. 2001 , 37, 1-88	29
1561	Continuous-wave ultrahigh-repetition-rate pulse-train generation through modulational instability in a passive fiber cavity. 2001 , 26, 39-41	80
1560	Influence of two-photon absorption on modulational instability. 2001 , 18, 1144	6
1559	Experiments on focusing unidirectional water waves. 2001 , 106, 16917-16928	37
1558	Freak waves in random oceanic sea states. 2001 , 86, 5831-4	373
1557	Eckhaus instability (la) possible wavelength changing mechanism in the evolution of dislocation patterns. 2001 , 21, 230-242	4
1556	SPILLINGBREAKERS. 2001 , 33, 519-547	125
1555	Finite-amplitude internal wavepacket dispersion and breaking. <i>Journal of Fluid Mechanics</i> , 2001 , 429, 343-380	83
1554	Sound Iltrasound interaction in bubbly fluids: Theory and possible applications. 2001 , 13, 3582-3598	38

1553	Derivation of a higher order nonlinear Schr¶dinger equation for weakly nonlinear Rossby waves. 2001 , 33, 339-347	14
1552	Asymptotic dynamics of monochromatic short surface wind waves. 2001 , 149, 231-236	18
1551	Long-time dynamics of the modulational instability of deep water waves. 2001 , 152-153, 416-433	47
1550	Nonlinear wavefields in optical fibers with finite time response and amplification effects. 2001 , 157, 90-111	8
1549	Fluctuation of mean Lyapunov exponent for turbulence. 2001 , 292, 175-181	9
1548	Nonlinear EHD stability of the travelling and standing waves of two superposed dielectric bounded fluids in relative motion. 2001 , 291, 211-228	9
1547	Stability of traveling water waves on the sphere. 2001 , 55, 577-584	
1546	Wavelet analysis for processing of ocean surface wave records. 2001 , 28, 957-987	106
1545	Stability and long time evolution of the periodic solutions to the two coupled nonlinear Schr¶dinger equations. 2001 , 12, 721-734	27
1544	Nonlinear phenomena during electrochemical oxidation of hydrogen on platinum electrodes. 2001 , 70, 411-425	33
1543	Modulational Instability and Stimulated Raman Scattering in Normally Dispersive Highly Birefringent Fibers. 2001 , 7, 170-205	34
1542	On the Efficient Numerical Simulation of Directionally Spread Surface Water Waves. 2001 , 174, 277-305	91
1541	Two-dimensional mechanisms of interaction between ultrasound and sound in bubbly liquids: Interaction equations. 2001 , 47, 10-15	7
1540	Nonlinear physics. D¶vu in optics. 2001 , 413, 267-8	80
1539	NONLINEAR MODULATION OF WATER WAVES. 2001 , 1-75	
1538	A DIRECT COMPUTATION OF THE PHASE STABILITY CRITERION FOR SPATIALLY HOMOGENEOUS TIME PERIODIC SOLUTIONS CLOSE TO A HOPF BIFURCATION. 2001 , 11, 2097-2103	1
1537	Evolution of a nonlinear wave field along a tank: experiments and numerical simulations based on the spatial Zakharov equation. <i>Journal of Fluid Mechanics</i> , 2001 , 427, 107-129	7 60
1536	Experiments and Numerics of Bichromatic Wave Groups. 2001 , 127, 334-342	13

Soliton Stability to the Davey-Stewartson I Equation by the Hirota Method. 2001 , 70, 1505-1511	5
1534 Experimental Study of Wave Blocking. 2001 , 227	1
1533 Modulational Instability in Some Physical Systems. 2001 , 64, 410-412	11
1532 Spatiotemporal Instability of Ultrashort Pulses in Dispersive Self-Focusing Media. 2001 , 18, 776-778	3
Role of polarization mode dispersion on modulational instability in optical fibers. 2001 , 63, 066616	4
Asynchronous development of the Benjamin-Feir unstable mode: solution of the Davey-Stewartson equation. 2001 , 64, 056622	16
Nonlinear Schr¶dinger equations with mean terms in nonresonant multidimensional quadratic materials. 2001 , 63, 046605	30
1528 Modulational instability in periodic quadratic nonlinear materials. 2001 , 87, 133901	28
1527 Broadband parametric imaging of breaking ocean waves. 2001 , 110, 150-162	2
1526 Modulational instability in nonlocal nonlinear Kerr media. 2001 , 64, 016612	292
Onset of homogeneous oscillations in reactive systems. 2001 , 114, 9265-9275	19
1524 Electromigration-induced propagation of nonlinear surface waves. 2002 , 65, 036603	13
Spatiotemporal optical modulation instability of coherent light in noninstantaneous nonlinear media. 2002 , 88, 133902	55
1522 Generic features of modulational instability in nonlocal Kerr media. 2002 , 66, 066615	170
1521 The Nonlinear Schr¶dinger Equation as Both a PDE and a Dynamical System. 2002 , 2, 599-675	18
1520 Dissipative Dynamics Of An Open Bose-Einstein Condensate. 2002 , 187-200	
1519 Extreme wave events in directional, random oceanic sea states. 2002 , 14, L25-L28	102
1518 Pattern Formation in Gradient Systems. 2002 , 677-722	17

1517	Fourth-order nonlinear evolution equations for counterpropagating capillary-gravity wave packets on the surface of water of infinite depth. 2002 , 14, 2225	5
1516	Enhanced dissipation of short gravity and gravity capillary waves due to parasitic capillaries. 2002 , 14, L81-L84	8
1515	Regular spatial structures in arrays of Bose Einstein condensates induced by modulational instability. 2002 , 35, 5105-5119	145
1514	Experimental study of the reversible behavior of modulational instability in optical fibers. 2002 , 19, 477	26
1513	Experimental and theoretical study of the passively mode-locked ytterbium-doped double-clad fiber laser. 2002 , 65,	67
1512	Modulational instability of electromagnetic waves in inhomogeneous and in discrete media. 2002 , 303-365	30
1511	Monochromatic and random wave breaking at blocking points. 2002, 107, 4-1	83
1510	Instabilities and oscillations of one- and two-dimensional Kadomtsev-Petviashvili waves and solitons II. Linear to nonlinear analysis. 2002 , 458, 1231-1244	4
1509	Capillary@ravity simultons in a liquid layer. <i>Journal of Fluid Mechanics</i> , 2002 , 466, 1-15	
1508	A new Boussinesq method for fully nonlinear waves from shallow to deep water. <i>Journal of Fluid Mechanics</i> , 2002 , 462, 1-30	237
1507	Resonant interaction of modulational instability with a periodic soliton in the Davey-Stewartson equation. 2002 , 66, 067601	21
1506	Theory of electrochemical pattern formation. 2002 , 12, 215-230	61
1505	Nonlinear Ocean Wave and the Inverse Scattering Transform. 2002 , 637-666	44
1504	Three-Dimensional Wave Focusing in Fully Nonlinear Wave Models. 2002, 1102	1
1503	Finite-Wavelength Stability¶of Capillary-Gravity Solitary Waves. 2002, 225, 487-521	16
1502	New method for numerical simulation of a nonstationary potential flow of incompressible fluid with a free surface. 2002 , 21, 283-291	122
1501	Landau damping of partially incoherent Langmuir waves. 2002 , 303, 61-66	27
1500	A phase-averaged Boussinesq model with effective description of carrier wave group and associated long wave evolution. 2002 , 29, 21-37	5

1499	Modulational instability of optical waves in the high dispersive cubicquintic nonlinear Schr¶dinger equation. 2002 , 213, 173-182	55
1498	Breaking criteria and energy losses for three-dimensional wave breaking. 2002, 107, 41-1	70
1497	A Note on the Two-Dimensional Ginzburg Landau Equation for Directional, Nearly Monochromatic Waves. 2003 , 33, 431-442	1
1496	Modified Ginzburg[landau Equation and BenjaminHeir Instability. 2003, 6, 339-349	5
1495	Radar Investigation of the Structure of Wind Waves. 2003 , 59, 49-63	9
1494	Nonlinear hydromagnetic Rayleigh¶aylor instability for strong viscous fluids in porous media. 2003 , 260, 1-18	5
1493	Modulational instability and wave localisation in Toda lattice with elastic substrate effect. 2003 , 38, 117-130	2
1492	Nonlinear dynamics of waves and modulated waves in 1D thermocapillary flows. I. General presentation and periodic solutions. 2003 , 174, 1-29	14
1491	Coherent and incoherent structures in systems described by the 1D CGLE: experiments and identification. 2003 , 174, 134-151	30
1490	An integrable model for stable:unstable wave coupling phenomena. 2003 , 178, 173-189	15
1489	A complex SwiftHohenberg equation coupled to the Goldstone mode in the nonlinear dynamics of flames. 2003 , 179, 183-210	9
1488	Chaotic-like behavior of modulated waves in a nonlinear discrete LC transmission line. 2003, 15, 465-473	3
1487	The Classical Problem of Water Waves: a Reservoir of Integrable and Nearly-Integrable Equations. 2003 , 10, 72	46
1486	On the nonlinear dynamics of wave groups produced by the focusing of surface water waves. 2003 , 459, 1021-1052	43
1485	Three-dimensional instability of standing waves. <i>Journal of Fluid Mechanics</i> , 2003 , 496, 213-242 3.7	21
1484	Pattern formation in the marginally unstable Ekman layer. <i>Journal of Fluid Mechanics</i> , 2003 , 479, 125-144 _{3.7}	9
1483	Evolution of a narrow-band spectrum of random surface gravity waves. <i>Journal of Fluid Mechanics</i> , 2003 , 478, 1-10	104
1482	Long-time dynamics of modulated waves in a nonlinear discrete LC transmission line. 2003 , 68, 016605	39

1481	Stability and Instability in Viscous Fluids. 2003 , 223-287	3
1480	Nonlinear Four-Wave Interactions and Freak Waves. 2003 , 33, 863-884	476
1479	Simulation of Wave Interactions and Turbulence in One-Dimensional Water Waves. 2003, 63, 1121-1140	15
1478	Modulational instability and complex dynamics of confined matter-wave solitons. 2003 , 91, 080405	158
1477	Modulational instability of Gross-Pitaevskii-type equations in 1+1 dimensions. 2003, 67,	112
1476	Modulational instability arising from collective Rayleigh scattering. 2003 , 67, 025603	2
1475	Landau damping and coherent structures in narrow-banded 1+1 deep water gravity waves. 2003 , 67, 046305	45
1474	Breaking of space-time symmetries in modulated traveling waves. 2003 , 13, 541-51	5
1473	Optical modulational instability in a nonlocal medium. 2003 , 68, 025602	82
1472	Dynamics of Pattern Formation and Modulational Instabilities in the Quintic Complex Ginzburg[landau Equation*. 2003 , 72, 1800-1809	17
1471	Generation of Ultrashort Light Bullets in Dispersive Kerr Media Using the Fourth-Order Dispersion-Dependent Spatiotemporal Instability. 2003 , 20, 845-847	3
1470	Future Directions in the Study of Nonconservative Water Wave Systems. 2003 , 125, 3-8	
1469	References. 2004 , 278-292	
1468	Modulational instability and parametric amplification induced by loss dispersion in optical fibers. 2004 , 93, 163902	31
1467	Variational approach to the modulational instability. 2004 , 69, 017601	29
1466	Noise-seeded spatiotemporal modulation instability in normal dispersion. 2004 , 70, 065603	6
1465	The Nonlinear Schr¶dinger Equation: Self-Focusing and Wave Collapse. 2004,	18
1464	Two-dimensional modulational instability in photorefractive media. 2004 , 6, S397-S403	22

Parametric and modulational instabilities of the discrete nonlinear Schradinger equation. 2004, 37, S257-S264 41 Generation and Propagation of Water Waves in a Two-Dimensional Numerical Viscous Wave Flume. 1462 27 2004, 130, 143-153 1461 Feedback control of travelling wave solutions of the complex Ginzburglandau equation. 2004, 17, 2225-2248 38 Modulational instability on triangular dynamical lattices with long-range interactions and 1460 dispersion. 2004, 41, 495-501 Benjamin Heir instability of Rossby waves on a jet. 2004, 130, 1611-1630 8 1458 On the stability of shoaling Stokes waves over a slowly varying bottom. 2004, 26, 205-212 Performance and limitations of the Hilbert Huang transformation (HHT) with an application to 164 1457 irregular water waves. 2004, 31, 1783-1834 Modulational instabilities and domain walls in coupled discrete nonlinear Schradinger equations. 1456 13 2004, 330, 95-106 Experimental observation of discrete modulational instability. 2004, 92, 163902 102 1454 Spatial modulation instability of coherent light in a weakly-relaxing Kerr medium. 2004, 6, 461-468 9 Laboratory measurements of limiting freak waves on currents. 2004, 109, 1453 46 PATTERN FORMING DYNAMICAL INSTABILITIES OF BOSEEINSTEIN CONDENSATES. 2004, 18, 173-202 1452 159 Modulational instability, solitons and beam propagation in spatially nonlocal nonlinear media. 2004, 1451 312 6, S288-S294 1450 A numerical study of crescent waves. Journal of Fluid Mechanics, 2004, 513, 309-341 3.7 35 Modulational instability and exact solutions of the modified quintic complex Ginzburg landau 1449 11 equation. 2004, 37, 1727-1735 1448 Traveling waves in rotating Rayleigh-Bflard convection. 2004, 69, 056301 Bandwidth similarity at inertial and tidal frequencies in kinetic energy spectra from the Bay of 16 1447 Biscay. 2004, 51, 637-652 1446 Energy Dissipation of Unsteady Wave Breaking on Currents. 2004, 34, 2288-2304 19

1445 Introduction. 2005, xvi-xxii

1444 Fluid field equations and modal analysis in rigid containers. 2005 , 3-87	
1443 Linear forced sloshing. 2005 , 88-155	
1442 Weakly nonlinear lateral sloshing. 2005 , 209-295	
1441 References. 2005 , 833-939	
1440 NUMERICAL MODELING OF NONLINEAR SURFACE WAVES AND ITS VALIDATION. 2005 ,	2
1439 Optical control of atoms laser instability. 2005 , 244, 291-297	
1438 Nonlinear surface wave instability for electrified Kelvin fluids. 2005 , 285, 744-59	1
An efficient model for three-dimensional surface wave simulations: Part I: Free space problems. 2005 , 205, 665-685	91
1436 Formation of walls of water in fully[honlinear simulations. 2005 , 27, 142-157	43
Modulational instabilities in Josephson oscillations of elongated coupled condensates. 2005 , 35, 147-15	54 17
1434 Modulation instability of Stokes wave -ffreak wave. 2005 , 81, 255-259	113
1433 A high-order nonlinear envelope equation for gravity waves in finite-depth water. 2005 , 101, 926-941	87
Pattern selection and modulational instability in the one-dimensional modified complex Ginzburg[landau equation. 2005 , 24, 957-966	10
Soliton-like excitations in the one-dimensional electrical transmission line. 2005 , 8, 513-525	6
1430 Viscous damping and sloshing suppression devices. 2005 , 156-206	
1429 Microgravity sloshing dynamics. 2005 , 752-832	1
1428 Foreword. 2005 , xii-xiii	

1427 Equivalent mechanical models. 2005 , 296-337	1
1426 Parametric sloshing: Faraday waves. 2005 , 338-404	1
1425 Dynamics of liquid sloshing impact. 2005 , 405-478	
1424 Linear interaction with elastic containers. 2005 , 481-537	
Nonlinear interaction under external and parametric excitations. 2005 , 538-606	
1422 Dynamics of rotating fluids. 2005 , 693-751	
1421 Interaction with support structures and tuned sloshing absorbers. 2005 , 607-690	
1420 Freak waves: just bad luck, or avoidable?. 2005 , 36, 159-162	5
Potential dominance of oscillating crescent waves in finite width tanks. 2005 , 17, 038102	
1418 Oscillatory pattern formation with a conserved quantity. 2005 , 18, 1031-1056	11
1417 Measurements of wave modulation and breaking. 2005 , 16, 1921-1928	14
1416 A Modified Stability Criterion for Envelope Equations. 2005 , 71, 238-240	5
1415 A Hamiltonian system for interacting Benjamin Eeir resonances. 2005, 38, 5381-5403	1
1414 Nonlinear and breaking micron waves at the edge of a laser-liquified indium pool. 2005 , 87, 204101	4
1413 Fully three dimensional breather solitons can be created using feshbach resonances. 2005 , 95, 050403	96
1412 Modulational instability in systems with integrating nonlinearity. 2005 , 95, 073901	17
1411 Solitonlike excitations in a one-dimensional electrical transmission line. 2005 , 46, 033502	30
Generation, compression, and propagation of pulse trains in the nonlinear Schr¶dinger equation with distributed coefficients. 2005 , 72, 036614	54

1409	Modulational instability of two-component Bose-Einstein condensates in a quasi-one-dimensional geometry. 2005 , 71,	20
1408	Generation of Bragg solitons through modulation instability in a Bragg grating structure. 2005 , 15, 37109	10
1407	BACK MATTER. 2005 , 1043-I-6	
1406	Higher order harmonics of modulational instability. 2005 , 72, 066617	1
1405	Nonlinear dynamics of short traveling capillary-gravity waves. 2005 , 71, 026307	9
1404	MODULATIONAL INSTABILITY IN NONLINEAR BI-INDUCTANCE TRANSMISSION LINE. 2005 , 19, 3961-3983	9
1403	Nonlinear Partial Differential Equations for Scientists and Engineers. 2005,	58
1402	On modulational instability of nonlinear waves in 1D ferromagnetic spin chains. 2005 , 17, 3083-3112	19
1401	Modulational instability and unstable patterns in the discrete complex cubic Ginzburg-Landau equation with first and second neighbor couplings. 2005 , 72, 036220	20
1400	Observation of power-dependent walk-off via modulational instability in nematic liquid crystals. 2005 , 30, 2290-2	22
1399	Probability distributions of surface gravity waves during spectral changes. <i>Journal of Fluid Mechanics</i> , 2005 , 542, 195	191
1398	Stabilizing the Benjamin Heir instability. <i>Journal of Fluid Mechanics</i> , 2005 , 539, 229 3.7	124
1397	Evolution of packets of surface gravity waves over smooth topography. <i>Journal of Fluid Mechanics</i> , 2005 , 533,	11
1396	Progressive waves with persistent two-dimensional surface patterns in deep water. <i>Journal of Fluid Mechanics</i> , 2005 , 532, 1-52	56
1395	Numerical modeling of quasiplanar giant water waves. 2005 , 72, 066303	14
1394	Stability analysis of three-dimensional breather solitons in a BoseEinstein condensate. 2005, 461, 3561-3574	4
1393	The anti-FPU problem. 2005 , 15, 15110	45
1392	Extreme Events in Nature and Society. 2006,	95

1391 Optical Solitons. 2006, 120-176 5 Mathematical Theory of Water Waves. 2006, 3007-30056 Modulational instability and pattern formation in discrete dissipative systems. 2006, 73, 046607 17 Numerical simulation of lowest-order short-crested wave instabilities. Journal of Fluid Mechanics, 1388 3.7 37 **2006**, 563, 415 Short-crested waves in deep water: a numerical investigation of recent laboratory experiments. 1387 3.7 21 Journal of Fluid Mechanics, 2006, 559, 391 1386 A note on stabilizing the BenjaminHeir instability. Journal of Fluid Mechanics, 2006, 556, 45 3.7 37 Variational formulations for steady water waves with vorticity. Journal of Fluid Mechanics, 2006, 1385 3.7 73 548, 151 NONLINEAR AND WAVE THEORY CONTRIBUTIONS OF T. BROOKE BENJAMIN (1929/1995). 2006, 1384 5 38, 1-25 Modulational instability in a layered Kerr medium: theory and experiment. 2006, 97, 234101 33 1382 Were freak waves involved in the sinking of the Tanker "Prestige"?. 2006, 6, 973-978 9 1381 On Kurtosis and Occurrence Probability of Freak Waves. 2006, 36, 1471-1483 191 Evolution of Packets of Surface Gravity Waves over Strong Smooth Topography. 2006, 116, 289-301 9 Strange nonchaotic attractors in a fifth-order amplitude equation of RayleighBflard system near 1379 2 the codimension-two point. 2006, 28, 1139-1148 Freak waves as nonlinear stage of Stokes wave modulation instability. 2006, 25, 677-692 130 Entire solutions of multivalued nonlinear Schriddinger equations in Sobolev spaces with variable 8 1377 exponent. 2006, 65, 1414-1424 Measurements of higher harmonic wave forces on a vertical truncated circular cylinder. 2006, 33, 219-233 1376 11 Generation, compression and propagation of pulse trains under higher-order effects. 2006, 263, 328-336 1375 49 Modulational instability of two pairs of counter-propagating waves and energy exchange in a 1374 23 two-component system. 2006, 214, 1-24

1373	Modulational instability and generation of pulse trains in asymmetric dual-core nonlinear optical fibers. 2006 , 354, 366-372	21
1372	Displaced phase-amplitude variables for waves on finite background. 2006 , 354, 312-319	17
1371	A numerical study of the breaking of modulated waves generated at a wave maker. 2006 , 28, 9-17	3
1370	Extreme Events in Nonlinear Random Seas. 2006 , 128, 11-16	10
1369	Suppression of the fast and slow modulated waves mixing in the coupled nonlinear discrete LC transmission lines. 2006 , 39, 4504-4515	15
1368	Stability analysis of plane wave solutions of the generalized Ablowitz Dadik system. 2006, 74, 718-725	3
1367	Spatial modulation instability in self-defocusing photorefractive crystal LiNbO3:Fe. 2006 , 8, 149-154	15
1366	Laser beam filamentation in fractal aggregates. 2006 , 97, 123903	22
1365	Finite-time collapse of N classical fields described by coupled nonlinear Schr¶dinger equations. 2006 , 74, 047602	10
1364	Modulational instability criteria for coupled nonlinear transmission lines with dispersive elements. 2006 , 74, 036614	47
1363	Traveling ion channel density waves affected by a conservation law. 2006 , 74, 016206	5
1362	Instability and evolution of nonlinearly interacting water waves. 2006, 97, 094501	115
1361	Breathing rogue wave observed in numerical experiment. 2006 , 74, 036305	21
1360	Modulational instability and nonlocality management in coupled NLS systems. 2007, 76, 558-564	2
1359	Enhancement of the Benjamin-Feir instability with dissipation. 2007, 19, 104104	23
1358	Numerical simulation of the Benjamin-Feir instability and its consequences. 2007 , 19, 016602	21
1357	Fourth-order nonlinear evolution equations for a capillary-gravity wave packet in the presence of another wave packet in deep water. 2007 , 19, 097101	9
1356	Three-dimensional localized coherent structures of surface turbulence. I. Scenarios of two-dimensionalEhree-dimensional transition. 2007 , 19, 114103	34

(2007-2007)

1355	Fully Nonlinear Statistics of Wave Crest Elevation Calculated Using a Spectral Response Surface Method: Applications to Unidirectional Sea States. 2007 , 37, 3-15	14
1354	Steepness effect on modulation instability of the nonlinear wave train. 2007 , 19, 014105	10
1353	The Intermediate Water Depth Limit of the Zakharov Equation and Consequences for Wave Prediction. 2007 , 37, 2389-2400	75
1352	Amplification of nonlinear surface waves by wind. 2007 , 19, 101705	30
1351	Modulational instability in nonlocal Kerr-type media with random parameters. 2007, 75,	12
1350	Cascaded generation of multiply charged optical vortices and spatiotemporal helical beams in a Raman medium. 2007 , 98, 243601	16
1349	Nonlinear stage of the Benjamin-Feir instability: three-dimensional coherent structures and rogue waves. 2007 , 99, 044502	30
1348	Solitary wave interaction for a higher-order nonlinear Schr¶dinger equation. 2007, 72, 206-222	7
1347	Modulational instability of plane waves in nonlocal non-Kerr media with random diffraction and nonlinearity. 2007 ,	1
1346	Wave Crest Heights and Deck Damage in Hurricanes Ivan, Katrina, and Rita. 2007,	7
1345	Measurements of the Doppler spectra of breaking waves. 2007 , 1, 149	9
1344	Ocean Waves Breaking and Marine Aerosol Fluxes. 2007,	23
1343	The Nonlinear Universe. 2007 ,	
1342	Modulational instability in nonlinearity-managed optical media. 2007 , 75,	23
1341	Onset of convection in a moderate aspect-ratio rotating cylinder: Eckhaus B enjamin E eir instability. <i>Journal of Fluid Mechanics</i> , 2007 , 590, 187-208	26
1340	The evolution of large ocean waves: the role of local and rapid spectral changes. 2007, 463, 21-48	59
1339	Observations on the evolution of wave modulation. 2007 , 463, 85-112	26
1338	Stability properties of steady water waves with vorticity. 2007 , 60, 911-950	57

1337	Explaining extreme waves by a theory of stochastic wave groups. 2007 , 85, 291-303	7
1336	Nonlinear Kelvin⊞elmholtz instability of magnetized surface waves on a subsonic gas∏iscous potential liquid interface. 2007 , 375, 381-400	14
1335	The experimental study on infra-gravity wave. 2007 , 34, 1481-1495	6
1334	Stability of plane waves on deep water with dissipation. 2007 , 74, 159-167	5
1333	Stable three-dimensional waves of nearly permanent form on deep water. 2007 , 74, 135-144	8
1332	A qualitative analysis of the mechanisms of generation of the large-scale flows. 2007, 365, 84-88	2
1331	Note on wavefront dislocation in surface water waves. 2007 , 371, 173-179	7
1330	Conservation of phase space properties using exponential integrators on the cubic Schr¶dinger equation. 2007 , 225, 284-299	17
1329	Stable deep-water waves propagating in one and two dimensions. 2007 , 7, 1100401-1100402	
1328	Modulational instability of nonlinearly interacting incoherent sea states. 2007, 84, 645-649	10
1327	Numerical modeling of extreme rogue waves generated by directional energy focusing. 2007 , 44, 395-416	90
1326	Modulational instability in isolated and driven Fermi P asta D lam lattices. 2007 , 147, 3-23	13
1325	The modulation instability revisited. 2007 , 147, 25-43	9
1324	Coupled Klein Cordon equations and energy exchange in two-component systems. 2007, 147, 45-72	5
1323	On the quintic nonlinear Schr¶dinger equation created by the vibrations of a square plate on a weakly nonlinear elastic foundation and the stability of the uniform solution. 2007 , 24, 161-179	3
1322	Spectral Stability of Traveling Water Waves: Analytic Dependence of the Spectrum. 2007 , 17, 369-397	11
1321	Governing equations of envelopes created by nearly bichromatic waves on deep water. 2007 , 50, 49-60	5
1320	Stability of shock waves in the modified quintic complex Ginzburg-Landau equation. 2007, 10, 271-277	

1319	Weak or strong nonlinearity: the vital issue. 2007 , 58, 229-249	23
1318	Statistical Approach of Modulational Instability in the Class of Derivative Nonlinear Schr¶dinger Equations. 2007 , 46, 1190-1204	2
1317	Extreme wave phenomena in down-stream running modulated waves. 2007, 31, 1425-1443	23
1316	Modulational instability in the nonlocal -model. 2007 , 227, 8-25	16
1315	Unstable Surface Waves in Running Water. 2008 , 282, 733-796	25
1314	Progress in ocean wave forecasting. 2008, 227, 3572-3594	161
1313	On generation of coherent structures induced by modulational instability in linearly coupled cubicquintic Ginzburg[landau equations. 2008 , 281, 6112-6119	6
1312	Investigation of the generation of infra-gravity waves. 2008 , 45, 119-132	1
1311	Non-linear temporal dynamics of two-mode interactions of magnetized flow. 2008 , 43, 416-436	14
1310	Bifurcations and the stability of the surface envelope solitons for a finite-depth fluid. 2008 , 87, 195-199	2
1309	Influence of wind on extreme wave events: experimental and numerical approaches. <i>Journal of Fluid Mechanics</i> , 2008 , 594, 209-247	86
1308	The reductive perturbation method and some of its applications. 2008, 41, 043001	75
1307	Freak Waves: Peculiarities of Numerical Simulations. 2008 , 1-29	2
1306	Resonant interactions of nonlinear water waves in a finite basin. 2008 , 78, 016304	17
1305	Harnessing and control of optical rogue waves in supercontinuum generation. 2008, 16, 3644-51	229
1304	Refraction of a Gaussian seaway. 2008 , 113,	40
1303	Random half-order differential correlation functions. 2008 , 61, 189-198	1
1302	Cluster dynamics of planetary waves. 2008 , 83, 50012	19

1301	Dynamics of modulationally unstable ion-acoustic wavepackets in plasmas with negative ions. 2008 , 74, 639-656	71
1300	Transverse stability of solitary waves propagating in coupled nonlinear dispersive transmission lines. 2008 , 78, 026603	15
1299	Modulational instability in a purely nonlinear coupled complex Ginzburg-Landau equations through a nonlinear discrete transmission line. 2008 , 18, 043121	7
1298	Linear and nonlinear instabilities in rotating cylindrical Rayleigh-Bflard convection. 2008, 78, 056303	2
1297	Countertraveling waves in rotating Rayleigh-Bflard convection. 2008, 77, 027301	4
1296	On the wind-induced growth of slow water waves of finite steepness. <i>Journal of Fluid Mechanics</i> , 2008 , 608, 243-274	40
1295	From Maxwell's theory of Saturn's rings to the negative mass instability. 2008 , 366, 1717-33	3
1294	Flow Around a Slender Circular Cylinder: A Case Study on Distributed Hopf Bifurcation. 2009 , 2009, 1-16	
1293	Two different kinds of rogue waves in weakly crossing sea states. 2009 , 79, 065304	10
1292	Statistical properties of directional ocean waves: the role of the modulational instability in the formation of extreme events. 2009 , 102, 114502	156
1291	Matter rogue waves. 2009 , 80,	445
1290	Modulational instability in two-component discrete media with cubic-quintic nonlinearity. 2009 , 79, 046605	20
1289	Phase randomization of three-wave interactions in capillary waves. 2009 , 103, 064502	31
1288	Excitation of chaotic spin waves through modulational instability. 2009 , 102, 237203	27
1288 1287	Excitation of chaotic spin waves through modulational instability. 2009, 102, 237203 Statistical properties of mechanically generated surface gravity waves: a laboratory experiment in a three-dimensional wave basin. <i>Journal of Fluid Mechanics</i> , 2009, 627, 235-257 3.7	139
1287	Statistical properties of mechanically generated surface gravity waves: a laboratory experiment in a	
1287	Statistical properties of mechanically generated surface gravity waves: a laboratory experiment in a three-dimensional wave basin. <i>Journal of Fluid Mechanics</i> , 2009 , 627, 235-257	139

(2009-2009)

1283	Discrete wave turbulence. 2009 , 87, 44001	24
1282	Focusing of unidirectional wave groups on deep water: an approximate nonlinear Schr¶dinger equation-based model. 2009 , 465, 3083-3102	25
1281	Are rogue waves robust against perturbations?. 2009 , 373, 3997-4000	166
1280	A Numerical Method for Nonlinear Water Waves. 2009 , 21, 401-407	10
1279	q-Breathers in discrete nonlinear Schr¶dinger arrays with weak disorder. 2009 , 89, 150-155	1
1278	Spatiotemporal self-organization in the oscillatory HCOOH oxidation on a Pt ribbon electrode [] Theory and experiments. 2009 , 603, 1652-1661	7
1277	Waves that appear from nowhere and disappear without a trace. 2009 , 373, 675-678	804
1276	Wave dynamics in a modified quintic complex Ginzburg[landau system. 2009 , 373, 1015-1018	1
1275	Nonlinear Schr¶dinger equations under random nonlinearity management. 2009 , 373, 1361-1367	4
1274	Extreme waves that appear from nowhere: On the nature of rogue waves. 2009 , 373, 2137-2145	421
1273	Group and phase velocities in the free-surface visco-potential flow: New kind of boundary layer induced instability. 2009 , 373, 3212-3216	5
1272	One-dimensional modulational instability of broad optical beams in biased centrosymmetric photorefractive crystals. 2009 , 374, 169-172	10
1271	Multisymplectic integration of N-coupled nonlinear Schr¶dinger equation with destabilized periodic wave solutions. 2009 , 41, 735-751	18
1270	Sensitivity tests on relations between tsunami signal and seismic rupture characteristics: The 26 December 2004 Indian Ocean event case study. 2009 , 24, 1354-1362	6
1269	Occurrence of standing surface gravity waves modulation in shallow water. 2009 , 28, 521-531	6
1268	Stability of bichromatic gravity waves on deep water. 2009 , 28, 605-612	8
1267	Numerical simulation of [Imiting[envelope solitons of gravity waves on deep water. 2009, 109, 676-686	23
1266	Modulational instability and generation of self-induced transparency solitons in resonant optical fibers. 2009 , 11, 045205	12

1265	Rogue waves and rational solutions of the nonlinear Schr¶dinger equation. 2009 , 80, 026601		635
1264	How to excite a rogue wave. 2009 , 80,		225
1263	Modulation instability, Akhmediev Breathers and continuous wave supercontinuum generation. 2009 , 17, 21497-508		351
1262	Optical pattern transitions from modulation to transverse instabilities in photorefractive crystals. 2009 , 102, 153905		14
1261	Modulation instability: The beginning. 2009 , 238, 540-548		466
1260	Freak waves: Their occurrence and probability. 2009 , 21, 076602		36
1259	Discrete Lange-Newell criterion for dissipative systems. 2009 , 79, 056611		11
1258	Generation of pulse trains in nonlinear optical fibers through the generalized complex Ginzburg-Landau equation. 2009 , 80, 066604		20
1257	Spectral data for travelling water waves: singularities and stability. <i>Journal of Fluid Mechanics</i> , 2009 , 624, 339-360	3.7	14
1256	Interaction of finite-amplitude waves with vertically sheared current fields. <i>Journal of Fluid Mechanics</i> , 2009 , 627, 179-213	3.7	46
1255	An experimental investigation of incipient spilling breakers. Journal of Fluid Mechanics, 2009, 633, 271-	28 <i>3</i> 7	16
1254	De Gruyter. 2009 , 59,		25
1253	Modulational instability of Rossby and drift waves and generation of zonal jets. <i>Journal of Fluid Mechanics</i> , 2010 , 654, 207-231	3.7	48
1252	Experimental evidence of stable wave patterns on deep water*. <i>Journal of Fluid Mechanics</i> , 2010 , 658, 247-278	3.7	18
1251	Numerical and laboratory investigation of breaking of steep two-dimensional waves in deep water. Journal of Fluid Mechanics, 2010 , 644, 433-463	3.7	64
1250	Evolution of weakly nonlinear random directional waves: laboratory experiments and numerical simulations. <i>Journal of Fluid Mechanics</i> , 2010 , 664, 313-336	3.7	110
1249	A variational approach to Boussinesq modelling of fully nonlinear water waves. <i>Journal of Fluid Mechanics</i> , 2010 , 657, 36-63	3.7	18
1248	Nonlinear Instability Analysis of Deep-Water Wave Trains. 2010 , 97, 573-595		

1247 References. **2010**, 97, 877-896

1246 Suggestions for further reading. 357-366	
Giant waves in weakly crossing sea states. 2010 , 110, 529-536	15
1244 Modulational instability in the anharmonic Peyrard-Bishop model of DNA. 2010 , 74, 151-158	27
1243 Conformal variables in the numerical simulations of long-crested rogue waves. 2010 , 185, 17-33	10
1242 Freak waves in crossing seas. 2010 , 185, 45-55	43
1241 Freak waves in laboratory and space plasmas. 2010 , 185, 57-66	106
Under which conditions the Benjamin-Feir instability may spawn an extreme wave event: A fully nonlinear approach. 2010 , 185, 159-168	19
Rogue waves: Classification, measurement and data analysis, and hyperfast numerical modeling. 2010 , 185, 225-245	5
1238 Efficient modulation frequency doubling by induced modulation instability. 2010 , 283, 1152-1154	25
Modulational instability and moving gap soliton in BoseEinstein condensation with Feshbach resonance management. 2010 , 239, 1-8	8
Modulational instability in two cubicquintic GinzburgQandau equations coupled with a cross phase modulation term. 2010 , 374, 1591-1599	13
Numerical simulation of water wave propagation and transformation. 2010 , 9, 363-371	
1234 What makes the Peregrine soliton so special as a prototype of freak waves?. 2010 , 67, 11-22	194
On the conservation laws and invariant solutions of the mKdV equation. 2010 , 363, 174-181	21
Modulational instability in optical fiber with stochastic parameters and noninstantaneous response. 2010 , 283, 1096-1101	6
1231 Evolution of solitary waves for a perturbed nonlinear Schr¶dinger equation. 2010 , 216, 3642-3651	5
1230 Experimental Evidence for Breather Type Dynamics in Freak Waves. 2010 , 10, 495-496	6

1229	The Peregrine soliton in nonlinear fibre optics. 2010 , 6, 790-795	927
1228	Introduction and history. 1-29	
1227	Nonlinear evolution of the modulational instability under weak forcing and damping. 2010 , 10, 2589-2597	14
1226	Long-Range Interaction between Two Periodic Solitons through Growing-and-Decaying Mode in the DaveyBtewartson I Equation. 2010 , 79, 045002	2
1225	ON SOME THEORETICAL AND NUMERICAL ASPECTS OF THE NEUMANNEELVIN MODEL WITH CAPILLARITY IN HYDRODYNAMICS. 2010 , 08, 337-362	1
1224	Validation of the initialization of a numerical wave flume using a time ramp. 2010 , 42, 045504	4
1223	Classification of solutions of the forced periodic nonlinear Schr¶dinger equation. 2010, 23, 2183-2218	5
1222	Intermittencies in complex Ginzburglandau equation by varying system size. 2010 , 19, 050516	3
1221	Steady water waves. 2010 , 47, 671-671	49
1220	Instability growth rates of crossing sea states. 2010 , 81, 036316	12
1219	Numerical investigation of the instability and nonlinear evolution of narrow-band directional ocean waves. 2010 , 105, 014501	30
1218	MODULATIONAL INSTABILITY AND EXACT SOLITON AND PERIODIC SOLUTIONS FOR TWO WEAKLY COUPLED EFFECTIVELY 1D CONDENSATES TRAPPED IN A DOUBLE-WELL POTENTIAL. 2010 , 24, 2211-2227	7
1217	Blue extension of optical fibre supercontinuum generation. 2010 , 12, 113001	78
1216	Modulation instability and capillary wave turbulence. 2010 , 91, 14002	35
1215	Perpendicular propagating electromagnetic envelope solitons in electron-positron-ion plasma. 2010 , 17, 052308	7
1214	Nonlinear Schr¶dinger invariants and wave statistics. 2010 , 22, 036601	43
1213	Modulational Instabilities and Breaking Strength for Deep-Water Wave Groups. 2010 , 40, 2313-2324	18
1212	Evolution of Persistent Wave Groups. 2010 , 40, 67-84	4

Nonhydrostatic Modeling of Nonlinear Deep-Water Wave Groups. 2010 , 136, 155-167	11
MODEL FOR FULLY NONLINEAR OCEAN WAVE SIMULATIONS DERIVED USING FOURIER INVERSION OF INTEGRAL EQUATIONS IN 3D. 2010 , 1-42	6
TWO-DIMENSIONAL DIRECT NUMERICAL SIMULATIONS OF THE DYNAMICS OF ROGUE WAVES UNDER WIND ACTION. 2010 , 43-74	4
1208 FREAK WAVES AND THEIR INTERACTION WITH SHIPS AND OFFSHORE STRUCTURES. 2010 , 641-687	
Cascaded self-compression of femtosecond pulses in filaments. 2010 , 12, 093046	10
General features of spatiotemporal instability induced by arbitrary high-order nonlinear dispersions in metamaterials. 2010 , 57, 876-884	7
Laboratory observations of wave evolution, modulation and blocking due to spatially varying opposing currents. <i>Journal of Fluid Mechanics</i> , 2010 , 661, 108-129	7 21
1204 Modulation instability scenario in negative index materials. 2010 , 57, 436-443	12
1203 Maximum steepness of oceanic waves: Field and laboratory experiments. 2010 , 37, n/a-n/a	70
1202 Short-term statistics of waves observed in deep water. 2010 , 115,	38
1201 Capillary rogue waves. 2010 , 104, 104503	271
1200 Rogue waves and rational solutions of the Hirota equation. 2010 , 81, 046602	330
1199 Impact of the third-order dispersion on the modulation instability gain of pulsed signals. 2010 , 35, 1194-6	25
Bistable self-starting pulses with terahertz repetition rate in a semiconductor microring laser. 2010 , 35, 1473-5	2
Qualitative comparisons of experimental results on deterministic freak wave generation based on modulational instability. 2010 , 3, 186-192	13
1196 Brief History and Overview of Nonlinear Water Waves. 2010 , 97, 3-31	
1195 Laboratory Experiments of Rogue Waves. 2010 , 745-777	
1194 Traveling Waves in Deep Water with Gravity and Surface Tension. 2010 , 70, 2373-2389	20

1193	Transverse Instability of Periodic Traveling Waves in the Generalized Kadomtsev P etviashvili Equation. 2010 , 42, 2681-2702	17
1192	The modulational instability in deep water under the action of wind and dissipation. <i>Journal of Fluid Mechanics</i> , 2010 , 664, 138-149	43
1191	Modulational instability in resonant optical fiber with higher-order dispersion effect. 2010 , 12, 035210	5
1190	Dispersive shock waves propagating in the cubic-quintic derivative nonlinear Schradinger equation. 2010 , 88, 55-66	7
1189	Modulation instability, Fermi-Pasta-Ulam recurrence, rogue waves, nonlinear phase shift, and exact solutions of the Ablowitz-Ladik equation. 2011 , 83, 046603	57
1188	Quasi-line soliton interactions of the DaveyBtewartson I equation: on the existence of long-range interaction between two quasi-line solitons through a periodic soliton. 2011 , 44, 235204	10
1187	Surface plasma rogue waves. 2011 , 96, 25002	185
1186	Dust-acoustic rogue waves in a nonextensive plasma. 2011 , 84, 066402	162
1185	Spectral dynamics of modulation instability described using Akhmediev breather theory. 2011 , 36, 2140-2	69
1184	Rogue wave observation in a water wave tank. 2011 , 106, 204502	749
1183	Waves in Coastal and Estuarine Waters. 2011 , 171-212	3
1182	Third-order dispersion drastically changes parametric gain in optical fiber systems. 2011 , 83,	11
1181	References. 375-386	
1180	Rediscovered dynamics of nonlinear fiber optics: from breathers to extreme localisation. 2011 ,	
1179	Analytical studies of modulation instability and nonlinear compression dynamics in optical fiber propagation. 2011 ,	2
1178	Frequency spectra evolution of two-dimensional focusing wave groups in finite depth water. <i>Journal of Fluid Mechanics</i> , 2011 , 688, 169-194	32
1177	The instability of periodic surface gravity waves. <i>Journal of Fluid Mechanics</i> , 2011 , 675, 141-167 3.7	53
1176	Rogue Waves. 2011 , 295-307	1

1175	Water Wave Packets Over Variable Depth. 2011 , 126, 409-427	26
1174	Enhanced rise of rogue waves in slant wave groups. 2011 , 94, 177-181	12
1173	The New Year Wave in a seakeeping basin: Generation, propagation, kinematics and dynamics. 2011 , 38, 1624-1639	20
1172	Evolution of wave properties during propagation in a ship towing tank and an offshore basin. 2011 , 38, 2254-2261	10
1171	Recurrence phase shift in Fermi P asta D lam nonlinear dynamics. 2011 , 375, 4158-4161	19
1170	Wave Breaking in Directional Fields. 2011 , 41, 145-156	29
1169	Linear and nonlinear rogue wave statistics in the presence of random currents. 2011 , 24, R67-R87	25
1168	Langmuir rogue waves in electron-positron plasmas. 2011 , 18, 032301	116
1167	Re-study on recurrence period of Stokes wave train with high order spectral method. 2011 , 25, 679-686	7
1166	Modulation instability in filamentary self-compression. 2011 , 21, 1313-1318	8
1165	Nonlinearity and nonequilibrium together in Nature: wind waves in the open ocean. 2011 , 62, 73-80	2
1164	List of Projects. 2011 , 269-279	
1163	Coupled Numerical Modelling of Wind and Waves and the Theory of the Wave Boundary Layer. 2011 , 138, 1-41	43
1162	Stability of resonant interfacial waves in the presence of uniform magnetic field. 2011 , 66, 457-477	3
1161	Theory of wideband instability at combination frequencies of a plane electromagnetic wave propagating in a nonlinear medium. 2011 , 54, 185-192	2
1160	Threshold model on the evolution of Stokes wave side-band instability. 2011 , 30, 147-155	11
1159	Weakly nonlinear non-Boussinesq internal gravity wavepackets. 2011 , 240, 346-356	23
1158	Spectral stability of traveling water waves: Eigenvalue collision, singularities, and direct numerical simulation. 2011 , 240, 376-381	5

1157	Akhmediev breather evolution in optical fiber for realistic initial conditions. 2011 , 375, 2029-2034	50
1156	Observation of the modulation instability and frequency-doubling in self-defocusing crystal. 2011 , 375, 3228-3231	5
1155	Modulation instability of plane electromagnetic beams in centro-symmetric crystals due to two-photon photorefractive effects. 2011 , 83, 025401	1
1154	Experimental study of the inverse cascade in gravity wave turbulence. 2011 , 96, 34004	10
1153	Theoretical description of spontaneous pulse formation in a semiconductor microring laser. 2011 , 83,	3
1152	General approach to spatiotemporal modulational instability processes. 2011 , 83,	27
1151	Triggering rogue waves in opposing currents. 2011 , 107, 184502	105
1150	Numerical analysis of rogue wave generation with boundary damping effects. 2011,	
1149	The evolution of large non-breaking waves in intermediate and shallow water. I. Numerical calculations of uni-directional seas. 2011 , 467, 778-805	17
1148	The analytical evolution of NLS solitons due to the numerical discretization error. 2011 , 44, 505205	
1147	Formation of Extraordinarily High Waves in Space and Time. 2011 ,	8
1146	Distribution of Wave Height Maxima in Storm Sea States. 2011 , 133,	8
1145	Effect of Second-Neighbor Inductive Coupling on the Modulational Instability in a Coupled Line of Transmission. 2011 , 80, 034003	12
1144	Nonlinear excitations in a continuous bi-inductance electrical line. 2011 , 83, 045009	7
1143	Anelastic Internal Wave Packet Evolution and Stability. 2011 , 68, 2844-2859	19
1142	Stability of the NLS Equation with Viscosity Effect. 2011 , 2011, 1-11	
1141	A numerical and experimental study on the nonlinear evolution of long-crested irregular waves. 2011 , 23, 016601	27
1140	Tunable modulational instability sidebands via parametric resonance in periodically tapered optical fibers. 2012 , 20, 25096-110	35

1139	Parametric gain control of a pulse in birefringent photonic crystal fibers. 2012, 86,	1
1138	Propagating solitons generated by localized perturbations on the surface of deep water. 2012 , 85, 026313	4
1137	An eddy viscosity model for two-dimensional breaking waves and its validation with laboratory experiments. 2012 , 24, 036601	36
1136	Laboratory evidence of freak waves provoked by non-uniform bathymetry. 2012 , 24, 097101	37
1135	Parametrically excited water surface ripples as ensembles of oscillons. 2012 , 108, 034502	41
1134	Modulation instability of an intense laser beam in the hot magnetized electron-positron plasma in the quasi-neutral limit. 2012 , 19, 122107	17
1133	Interplay between saturation and relaxation of nonlinear response in the modulational instability of various nonlinear media. 2012 ,	
1132	Energy transport in weakly nonlinear wave systems with narrow frequency band excitation. 2012 , 86, 041129	9
1131	Experimental study of spatiotemporally localized surface gravity water waves. 2012 , 86, 016311	50
1130	Modulation instability, Cherenkov radiation, and FermiPastaDlam recurrence. 2012, 29, 1930	17
1129	SOLITON INTERACTIONS FOR A HIROTAMAXWELL B LOCH SYSTEM IN THE INHOMOGENEOUS ERBIUM-DOPED FIBER. 2012 , 26, 1250115	1
1128	The Most Unstable Conditions of Modulation Instability. 2012 , 2012, 1-11	4
1127	Energy spectra of 2D gravity and capillary waves with narrow frequency band excitation. 2012 , 97, 30004	11
1126	Non-Gaussian Wave Groups Generated in an Offshore Wave Basin. 2012 , 134,	5
1125	Approximate rogue wave solutions of the forced and damped nonlinear Schr¶dinger equation for water waves. 2012 , 376, 3057-3059	50
1124	Linear stability of finite-amplitude capillary waves on water of infinite depth. <i>Journal of Fluid Mechanics</i> , 2012 , 696, 402-422	13
1123	Experimental investigation on the evolution of the modulation instability with dissipation. <i>Journal of Fluid Mechanics</i> , 2012 , 711, 101-121	25
1122	Loaded dice. 2012 , 6, 415-416	7

1121 Musical score for optical signals. **2012**, 6, 416-418

1120	Owen Martin Phillips. 30 December 1930 🛘 3 October 2010. 2012 , 58, 229-244	
1119	Spectral evolution of an optical pattern generated by spatial modulation instability in a reorientational Kerr nonlinear medium. 2012 , 59, 106-114	
1118	Multiscale perturbative approach to SU(2)-Higgs classical dynamics: Stability of nonlinear plane waves and bounds of the Higgs field mass. 2012 , 85,	4
1117	Modulational instability in metamaterials with saturable nonlinearity and higher-order dispersion. 2012 , 59, 972-979	14
1116	On stability of generalized short-crested water waves. 2012 , 241, 1406-1416	
1115	Nematicons. 2012 , 516, 147-208	183
1114	The nonlinear evolution and approximate scaling of directionally spread wave groups on deep water. 2012 , 468, 2704-2721	15
1113	Experimental and Model Spatiotemporal and Spatial Patterns in Electrochemical Systems. 2012 , 65-151	
1112	References. 2012 , 473-509	
1111	Spectral properties of the Peregrine soliton observed in a water wave tank. 2012, 117, n/a-n/a	16
1110	Numerical investigation of turbulence generation in non-breaking potential waves. 2012 , 117, n/a-n/a	22
1109	Surface waves and wave-coupled effects in lower atmosphere and upper ocean. 2012, 117, n/a-n/a	23
1108	Systematic study of rogue wave probability distributions in a fourth-order nonlinear Schr¶dinger equation. 2012 , 117, n/a-n/a	4
1107	BenjaminHeir instability in nonlinear dispersive waves. 2012 , 64, 3557-3568	93
1106	Controllable modulational instability of incoherently coupled beams in photovoltaic photorefractive crystal. 2012 , 285, 5384-5388	
1105	On the nonlinear energy transfer in the unidirected adiabatic surface waves. 2012 , 376, 2795-2798	4
1104	Direct numerical simulation of two-dimensional wall-bounded turbulent flows from receptivity stage. 2012 , 85, 026308	36

(2013-2012)

Numerical Simulations of Water Waves' Modulational Instability Under the Action of Wind and Dissipation. 2012 ,	
lon-acoustic envelope excitations in multispecies plasma with non-thermally distributed electrons. 2012 , 78, 265-278	2
Impact of dispersion and non-Kerr nonlinearity on the modulational instability of the higher-order nonlinear Schr¶dinger equation. 2012 , 85,	47
1100 The Nonlinear Schr¶dinger Equation and Solitary Waves. 2012 , 535-577	
1099 Fluctuations and correlations in modulation instability. 2012 , 6, 463-468	140
Influence of Wind Forcing on Modulation and Breaking of One-Dimensional Deep-Water Wave Groups. 2012 , 42, 928-939	13
The BenjaminHeir instability and propagation of swell across the Pacific. 2012, 82, 1172-1184	4
Plane-wave solutions of a dissipative generalization of the vector nonlinear Schr¶dinger equation. 2012 , 82, 1038-1046	
Factors that influence the modulation instability in self-defocusing photorefractive crystal. 2012 , 285, 2724-2728	5
The higher-dimensional Ablowitz[ladik model: From (non-)integrability and solitary waves to surprising collapse properties and more exotic solutions. 2012 , 376, 982-986	10
1093 . 2012 , 376, 1244-1249	8
1092 One-dimensional optical wave turbulence: Experiment and theory. 2012 , 514, 121-175	62
1091 Surfactant Influence on Water Wave Packets. 2012 , 129, 91-102	1
1090 On the nonlinear Schr¶dinger equation for waves on a nonuniform current. 2012 , 95, 486-491	24
1089 Iterative filtering decomposition based on local spectral evolution kernel. 2012 , 50, 629-664	26
$_{f 1088}$ Wave instability under short-wave amplitude modulations. 2013 , 377, 1260-1263	6
Solitary waves and rogue waves in a plasma with nonthermal electrons featuring Tsallis distribution. 2013 , 377, 2097-2104	38
Modulational Instability in a Pair of Non-identical Coupled Nonlinear Electrical Transmission Lines. 2013 , 60, 93-100	6

1085	Enhancing electrooptic modulators using modulation instability. 2013 , 7, 566-570	5
1084	On the universal third order Stokes wave solution. 2013 , 56, 102-114	6
1083	On the modulation instability of surface waves on a large-scale shear flow. 2013 , 97, 188-193	5
1082	Semiquantum chaotic manifestations of modulational instability. 2013 , 87, 035001	2
1081	Multi-rogue waves for a higher-order nonlinear Schr¶dinger equation in optical fibers. 2013 , 220, 176-184	15
1080	Competition of circularly polarized laser modes in the modulation instability of hot magnetoplasma. 2013 , 20, 012120	20
1079	Taming rogue waves in vector Bose-Einstein condensates. 2013 , 88, 042906	16
1078	Breathers on quantized superfluid vortices. 2013 , 111, 165301	31
1077	Optical rogue waves for the inhomogeneous generalized nonlinear Schr¶dinger equation. 2013 , 88, 062903	32
1076	Experiments on wind-perturbed rogue wave hydrodynamics using the Peregrine breather model. 2013 , 25, 101704	42
1075	Modulational instability in crossing sea states over finite depth water. 2013 , 25, 066605	7
1074	High-Nonlinearity in Glass Fibers and Cross-Phase Modulation. 2013 , 53-68	
1073	Modulation instability in nonlinear propagation of pulses in optical fibers. 2013 , 221, 177-191	4
1072	Observation of rogue wave triplets in water waves. 2013 , 377, 2590-2593	52
1071	Simple determinant representation for rogue waves of the nonlinear Schr¶dinger equation. 2013 , 88, 043201	52
1070	Rogue waves at low Benjamin-Feir indices: Numerical study of the role of nonlinearity. 2013 , 97, 686-689	14
1069	Rogue wave occurrence and dynamics by direct simulations of nonlinear wave-field evolution. <i>Journal of Fluid Mechanics</i> , 2013 , 720, 357-392	98
1068	Breaking Waves in Deep and Intermediate Waters. 2013 , 45, 115-145	118

1067	Philip G. Saffman. 2013 , 45, 19-34	2
1066	Modulational instability based on the exact solution of nonlinear Schr¶dinger equation with an elliptic potential. 2013 , 124, 6411-6414	
1065	Optical rogons for inhomogeneous nonlinear Schr¶dinger equation with inter modal dispersion. 2013 , 225, 318-325	10
1064	Shallow water rogue wavetrains in nonlinear optical fibers. 2013 , 377, 932-939	24
1063	A second look at the Gaussian semiclassical soliton ensemble for the focusing nonlinear Schr¶dinger equation. 2013 , 377, 1179-1188	4
1062	Complete classification of discrete resonant Rossby/drift wave triads on periodic domains. 2013 , 18, 2402-2419	14
1061	Experimental observation of dark solitons on the surface of water. 2013 , 110, 124101	70
1060	Optical Solitons. 2013 , 129-191	8
1059	Rogue waves in coupled Hirota systems. 2013 , 87,	96
1058	Resonance theory of water waves in the long-wave limit. <i>Journal of Fluid Mechanics</i> , 2013 , 722, 461-495 $_{3.7}$	
1057	Modulational instability in a twin-core fiber with the effect of saturable nonlinear response and coupling coefficient dispersion. 2013 , 87,	37
1056	Rogue waves and their generating mechanisms in different physical contexts. 2013 , 528, 47-89	692
1055	Rain-induced attenuation of deep-water waves. <i>Journal of Fluid Mechanics</i> , 2013 , 724, 5-35	11
1054	Vector modulational instability induced by parametric resonance in periodically tapered highly birefringent optical fibers. 2013 , 87,	9
1053	Modulational instability of Bose-Einstein condensate in a complex polynomial in elliptic Jacobian functions potential. 2013 , 86, 1	2
1052	Pattern dynamics and filamentation of femtosecond terawatt laser pulses in air including the higher-order Kerr effects. 2013 , 87, 053103	4
1051	Temperature dependency of modulation instability in photorefractive crystals. 2013, 45, 678-683	О
1050	Bright and peaklike pulse solitary waves and analogy with modulational instability in an extended nonlinear Schr¶dinger equation. 2013 , 88, 043204	12

Optical tsunamis: shoaling of shallow water rogue waves in nonlinear fibers with normal dispersion. 2013 , 15, 064002	18
$_{ m 1048}$ Observations of freak waves in random wave field in 2D experimental wave flume. 2013 , 27, 659-670	7
1047 The Electro-Oxidation ofH2,COin a Model PEM Fuel Cell: Oscillations, Chaos, Pulses. 2013 , 160, F436-F4	146 26
$_{ m 1046}$ The role of dissipation in the evolution of ocean swell. 2013 , 118, 5074-5091	24
1045 Investigation of the Effects on Benjamin-Feir Instability by Uniform Currents. 2013 ,	1
1044 New Methods and Insights in Advanced and Realistic Basin Wave Modelling. 2013 ,	1
1043 Competition of Class I and II Instabilities in Evolution of Crescent Waves. 2013 ,	О
1042 Experimental generation of optical flaticon pulses. 2013 , 38, 3899-902	20
Even harmonic pulse train generation by cross-polarization-modulation seeded instability in optical fibers. 2013 , 30, 99	9
Impact of input profile, absorption coefficients, and chirp on modulational instability of femtosecond pulses in silicon waveguides under fourth-order dispersion. 2013 , 30, 1382	12
1039 Kinetic AlfvII wave turbulence and formation of localized structures. 2013 , 20, 082305	10
On the highest non-breaking wave in a group: fully nonlinear water wave breathers versus weakly nonlinear theory. <i>Journal of Fluid Mechanics</i> , 2013 , 735, 203-248	3.7 41
1037 Competing wave-breaking mechanisms in quadratic media. 2013 , 38, 1648-50	10
1036 Modulation instability of two laser beams in plasma. 2013 , 31, 753-758	1
1035 Oscillons and oscillating kinks in the Abelian-Higgs model. 2013 , 88,	13
1034 Modulational instabilities in lattices with power-law hoppings and interactions. 2013 , 87,	18
1033 Extreme waves generated by modulational instability on adverse currents. 2013 , 25, 114109	18
1032 Spectral Stability of Deep Two-Dimensional Gravity-Capillary Water Waves. 2013 , 130, 81-107	8

1031	Modulated pressure waves in large elastic tubes. 2013 , 23, 033128	20
1030	Time scales and structures of wave interaction exemplified with water waves. 2013 , 102, 44005	11
1029	On the Generation of Spatially Periodic Breather in a Wave Tank. 2013 ,	2
1028	Comparison of Distributions of Wave Heights From Nonlinear Schr¶edinger Equation Simulations and Laboratory Experiments. 2013 ,	4
1027	Statistical approach of modulational instability beyond Gaussian approximation. 2013 , 411, 012029	
1026	Growth and dissipation of wind-forced, deep-water waves. <i>Journal of Fluid Mechanics</i> , 2013 , 722, 5-50 3.7	57
1025	Stabilizing and destabilizing perturbations of PT-symmetric indefinitely damped systems. 2013 , 371, 20120051	9
1024	. 2013,	1
1023	Determining the Stability Domain of Perturbed Four-Dimensional Systems in 1:1 Resonance. 2014 , 155-175	
1022	Modeling extreme wave heights from laboratory experiments with the nonlinear Schr¶dinger equation. 2014 , 14, 959-968	14
1021	On quartet interactions in the California Current system. 2014 , 21, 887-900	
1020	Evolution Equations for Finite Amplitude Waves in Parallel Shear Flows. 2014 , 223-246	1
1019	Modulational instability and wave amplification in finite water depth. 2014 , 14, 705-711	16
1018	Amplitude Vacillation in Baroclinic Flows. 2014 , 61-81	1
1017	. 2014,	4
1016	Phase instabilities in semiconductor lasers: A codimension-2 analysis. 2014 , 90,	1
1015	Predictability horizon of oceanic rogue waves. 2014 , 41, 8477-8485	18
1014	Combined Akhmediev breather and KuznetsovMa solitons in a two-dimensional graded-index waveguide. 2014 , 24, 045406	12

1013	Energy spectrum of the ensemble of weakly nonlinear gravity-capillary waves on a fluid surface. 2014 , 119, 359-365	4
1012	Rogue waves in the ocean. 2014 , 78, 1328-1332	1
1011	Effects of fourth-order dispersion on modulational instability in metamaterials with exponential saturable nonlinearity and self-steepening coefficients. 2014 , 129, 1	6
1010	Encyclopedia of Complexity and Systems Science. 2014 , 1-59	3
1009	Demonstration of V_{pi} Reduction in Electrooptic Modulators Using Modulation Instability. 2014 , 6, 1-9	3
1008	TURBULENCE DRIVEN BY FARADAY SURFACE WAVES. 2014 , 34, 1460379	1
1007	The inverse scattering transform for the focusing nonlinear Schr¶dinger equation with asymmetric boundary conditions. 2014 , 55, 101505	36
1006	Higher-Order Modes of Modulation Instability in Bose E instein Condensates with a Time-Dependent Three-Dimensional Parabolic Potential. 2014 , 83, 104002	2
1005	Manipulating matter rogue waves and breathers in Bose-Einstein condensates. 2014 , 90, 062905	37
1004	Influence of self-steepening and intrapulse Raman scattering on modulation instability in oppositely directed coupler. 2014 , 90, 042910	22
1003	Three dimensional electromagnetic wavepackets in a plasma: Spatiotemporal modulational instability. 2014 , 21, 042304	
1002	Fermi-Pasta-Ulam Recurrence in Nonlinear Fiber Optics: The Role of Reversible and Irreversible Losses. 2014 , 4,	26
1001	Phase instability in semiconductor lasers. 2014 , 113, 213902	8
1000	Dynamics of periodic mechanical structures containing bistable elastic elements: from elastic to solitary wave propagation. 2014 , 90, 023204	89
999	Nonlinear polarization effects in optical fibers: polarization attraction and modulation instability [Invited]. 2014 , 31, 2754	29
998	Steady-state resonance of multiple wave interactions in deep water. <i>Journal of Fluid Mechanics</i> , 2014 , 742, 664-700	38
997	On certain properties of the compact Zakharov equation. <i>Journal of Fluid Mechanics</i> , 2014 , 748, 692-711 3.7	21
996	Numerical modeling of 3D fully nonlinear potential periodic waves. 2014 , 64, 1469-1486	20

(2014-2014)

995	New rogue waves and dark-bright soliton solutions for a coupled nonlinear Schr¶dinger equation with variable coefficients. 2014 , 233, 351-358	24
994	Soliton excitations in a three-spine alpha-helical protein chain with quintic non-linearity. 2014 , 396, 29-41	4
993	On the persistence of breathers at deep water. 2014 , 98, 523-527	4
992	Stability of periodic gravity waves in the presence of surface tension. 2014 , 46, 97-108	13
991	Modulational Instability and Variational Structure. 2014 , 132, 285-331	11
990	Envelope solitons and their modulational instability in dusty plasmas with two-temperature superthermal electrons. 2014 , 351, 581-589	20
989	Inverse scattering transform for the focusing nonlinear Schr¶dinger equation with nonzero boundary conditions. 2014 , 55, 031506	133
988	Modelling rogue waves through exact dynamical lump soliton controlled by ocean currents. 2014 , 470, 20130576	53
987	Gray solitons on the surface of water. 2014 , 89, 011002	13
986	Rogue waves in nonlinear Schr¶dinger models with variable coefficients: Application to Bose E instein condensates. 2014 , 378, 577-583	49
985	Rotation-induced nonlinear wavepackets in internal waves. 2014 , 26, 056606	14
984	Wind-forced modulations in crossing sea states over infinite depth water. 2014 , 26, 096606	2
983	On simplified simulation of nonlinear waves on flows. 2014 , 99, 685-688	
982	An integrable model of (2+1)-dimensional Heisenberg ferromagnetic spin chain and soliton excitations. 2014 , 89, 065204	82
981	Experimental observation of the generation of cutoff solitons in a discrete LC nonlinear electrical line. 2014 , 90, 052901	7
980	Modulational instability in wind-forced waves. 2014 , 378, 3626-3630	23
979	The physics of anomalous ('rogue') ocean waves. 2014 , 77, 105901	59
978	Spectral and modulational stability of periodic wavetrains for the nonlinear Klein ∆ ordon equation. 2014 , 257, 4632-4703	14

977	Rogue waves: New forms enabled by GPU computing. 2014, 378, 2377-2381	7
976	Orbital Instability of the Peregrine Soliton. 2014 , 83, 054005	13
975	Generation and reversal of surface flows by propagating waves. 2014 , 10, 658-663	33
974	Effects of higher order nonlinearities on modulational instability in nonlinear oppositely directed coupler. 2014 , 61, 1670-1678	30
973	Hydrodynamics of periodic breathers. 2014 , 372,	46
972	Stability on Time-Dependent Domains. 2014 , 24, 493-523	9
971	Solitary waves in parity-time (PT)Bymmetric Bragg grating structure and the existence of optical rogue waves. 2014 , 105, 44001	13
970	Optical control of B-frequency conversion by the second-order modulation instability. 2014 , 89,	
969	Time-reversal generation of rogue waves. 2014 , 112, 124101	71
968	Modelling of the spatial evolution of extreme laboratory wave Heights with the nonlinear Schr¶dinger and Dysthe equations. 2014 , 89, 1-9	16
967	Instability and noise-induced thermalization of Fermi P asta D lam recurrence in the nonlinear Schr¶dinger equation. 2014 , 378, 2750-2756	21
966	Quantification and prediction of extreme events in a one-dimensional nonlinear dispersive wave model. 2014 , 280-281, 48-58	39
965	The spectrum of finite depth water waves. 2014 , 46, 181-189	10
964	Stability of traveling wave solutions to the Whitham equation. 2014 , 378, 2100-2107	36
963	Effective dissipation and nonlocality induced by nonparaxiality. 2014 , 89,	4
962	Controlling rogue waves in inhomogeneous Bose-Einstein condensates. 2014 , 89, 052915	29
961	Beyond the standard approximations: an analysis leading to a correct description of phase instabilities in semiconductor lasers. 2014 ,	1
960	Generation and Limiters of Rogue Waves. 2014 , 5, 39-49	8

959	In situ measurements of an energetic wave event in the Arctic marginal ice zone. 2015 , 42, 1863-1870	80
958	Optimal frequency conversion in the nonlinear stage of modulation instability. 2015 , 23, 30861-71	20
957	Polarization modulation instability in a Manakov fiber system. 2015 , 92,	48
956	Modulational instability in binary spin-orbit-coupled Bose-Einstein condensates. 2015 , 92,	33
955	Scaling properties of one-dimensional driven-dissipative condensates. 2015 , 92,	28
954	Unsteady evolution of localized unidirectional deep-water wave groups. 2015 , 91, 063204	31
953	Transition of weak wave turbulence to wave turbulence with intermittent collapses. 2015 , 92, 022927	5
952	Anatomy of the Akhmediev breather: Cascading instability, first formation time, and Fermi-Pasta-Ulam recurrence. 2015 , 92, 063202	24
951	Extreme Capillary Wave Events Under Parametric Excitation. 2015 , 153-162	
950	Effect of Capillarity on Fourth Order Nonlinear Evolution Equation for Two Stokes Wave Trains in Deep Water in the Presence of Air Flowing Over Water. 2015 , 20, 267-282	
949	Rogue waves, rational solitons, and modulational instability in an integrable fifth-order nonlinear Schr¶dinger equation. 2015 , 25, 103112	55
948	Modulational instability and higher-order rogue waves with parameters modulation in a coupled integrable AB system via the generalized Darboux transformation. 2015 , 25, 123115	57
947	Effects of Third-Order Nonlinearities on the Fourier Representation of Deterministic Wave Trains. 2015 ,	
946	Effect of dynamical non-neutrality on the modulational instability of laser propagating through hot magnetoplasma. 2015 , 22, 062116	3
945	Discrete evolution of the surface wave spectrum on a nonuniform adverse current. 2015 , 464, 1075-1079	3
944	Gaussian variational ansatz in the problem of anomalous sea waves: Comparison with direct numerical simulation. 2015 , 120, 925-932	10
943	Modelling of the spatial evolution of extreme laboratory wave crest and trough heights with the NLS-type equations. 2015 , 52, 140-150	12
942	Validation of the Boccotti's generalized model for large nonlinear wave heights from laboratory mixed sea states. 2015 , 53, 297-308	2

941	Numerical Simulation of Freak Waves in Random Sea State. 2015 , 116, 366-372	8
940	Fourth Order Nonlinear Evolution Equation For Interfacial Gravity Waves In The Presence Of Air Flowing Over Water And A Basic Current Shear. 2015 , 20, 517-530	
939	The Effect Of Randomness On The Stability Of Capillary Gravity Waves In The Presence Of Air Flowing Over Water. 2015 , 20, 835-855	
938	Spontaneous excitation of convective cells by kinetic AlfvE waves. 2015 , 112, 65001	5
937	An analytical model of the evolution of a Stokes wave and its two BenjaminHeir sidebands on nonuniform unidirectional current. 2015 , 22, 313-324	3
936	Comparison of Distributions of Wave Heights From Nonlinear Schr¶edinger Equation Simulations and Laboratory Experiments. 2015 , 137,	4
935	FREQUENCY DOWNSHIFTING OF WAVE SPECTRA AND FORMATION OF FREAK WAVES ON NON-UNIFORM OPPOSING CURRENT. 2015 , 1, 24	
934	Influence of the functional form of nonlinearity in the Modulational Instability spectra of relaxing saturable nonlinear system. 2015 , 605, 012032	
933	Emergent rogue wave structures and statistics in spontaneous modulation instability. 2015 , 5, 10380	69
932	Interacting nonlinear wave envelopes and rogue wave formation in deep water. 2015, 27, 012107	27
931	Controllable Nonautonomous Rogue Waves in the Modified Nonlinear Schr¶dinger Equation with Distributed Coefficients in Inhomogeneous Fibers. 2015 , 70, 251-261	6
930	Multi-Soliton and Rational Solutions for the Extended Fifth-Order KdV Equation in Fluids. 2015 , 70, 559-566	4
929	When linear stability does not exclude nonlinear instability. 2015 , 114, 214101	15
928	The flow beneath a periodic travelling surface water wave. 2015 , 48, 143001	15
927	Anomalous wave as a result of the collision of two wave groups on the sea surface. 2015 , 102, 650-654	3
926	Observation of Extreme Sea Waves in a SpaceIIime Ensemble. 2015 , 45, 2261-2275	52
925	Soliton excitations and stability in a square lattice model of ferromagnetic spin system. 2015 , 479, 149-158	7
924	Superregular Breathers in Optics and Hydrodynamics: Omnipresent Modulation Instability beyond Simple Periodicity. 2015 , 5,	77

(2015-2015)

923	A numerical study of the generation mechanism of internal solitary waves in the Luzon Strait. 2015 , 34, 38-43	2
922	KuznetsovMa waves train generation in a left-handed material. 2015 , 62, 392-402	11
921	Bragg grating rogue wave. 2015 , 379, 1067-1070	14
920	The Integrable Nature of Modulational Instability. 2015 , 75, 136-163	32
919	Sound waves and modulational instabilities on continuous-wave solutions in spinor Bose-Einstein condensates. 2015 , 91,	8
918	Modulational instability windows in the nonlinear Schr¶dinger equation involving higher-order Kerr responses. 2015 , 91, 012904	2
917	Matter rogue waves and management by external potentials for coupled Gross P itaevskii equation. 2015 , 80, 685-699	11
916	Dynamics and properties of waves in a modified Noguchi electrical transmission line. 2015 , 91, 022925	24
915	Modulational instability of co-propagating internal wavetrains under rotation. 2015 , 25, 023109	4
914	Dynamics of Timoshenko beam on linear and nonlinear foundation: Phase relations, significance of the second spectrum, stability. 2015 , 344, 209-220	22
913	Analytical study of dynamics of matter-wave solitons in lossless nonlinear discrete bi-inductance transmission lines. 2015 , 91, 032907	14
912	Modulational instability of polarized beams in nonlocal media with stochastic parameters. 2015 , 130, 1	2
911	Rogue waves lead to the instability in GaN semiconductors. 2015 , 5, 12245	16
910	The nonlinear Schr¶dinger equation and the propagation of weakly nonlinear waves in optical fibers and on the water surface. 2015 , 361, 490-500	49
909	Envelope solitary waves and dark solitons at a water-ice interface. 2015 , 289, 152-166	5
908	Generation and evolution features of L2-type crescent waves in laboratory conditions. 2015 , 102, 51-62	1
907	Wave groupiness analysis of the process of 2D freak wave generation in random wave trains. 2015 , 104, 480-488	17
906	Long-range intercellular Ca2+ wave patterns. 2015 , 435, 1-14	14

905	Heisenberg ferromagnetic spin chain with bilinear and biquadratic interactions in (2 + 1) dimensions. 2015 , 28, 109-122	22
904	Dispersion relation equation preserving FDTD method for nonlinear cubic Schr¶dinger equation. 2015 , 299, 1-21	5
903	A new (2+1) dimensional integrable evolution equation for an ion acoustic wave in a magnetized plasma. 2015 , 22, 072302	14
902	Symmetric solitonic excitations of the (1 + 1)-dimensional Abelian-Higgs classical vacuum. 2015 , 91, 023202	5
901	Numerical techniques on improving computational efficiency of spectral boundary integral method. 2015 , 102, 1638-1669	12
900	Modulational instability for a logarithmic nonlinear Schr¶dinger equation. 2015 , 48, 124-127	8
899	Modulational instability, nonautonomous breathers and rogue waves for a variable-coefficient derivative nonlinear Schr¶dinger equation in the inhomogeneous plasmas. 2015 , 22, 032308	25
898	Diffraction-induced instability of coupled dark solitary waves. 2015 , 40, 1771-4	2
897	Quantum corrections to the modulational instability of Bose E instein condensates with two- and three-body interactions. 2015 , 76, 111-120	3
896	Modulation instability dynamics of coupling pulses with different powers in nonlinear fibers. 2015 , 62, 908-917	4
895	Effect of electron beam on the properties of electron-acoustic rogue waves. 2015 , 81,	2
894	Experimental investigation on statistical properties of wave heights and crests in crossing sea conditions. 2015 , 65, 707-720	3
893	On the optimal conditions for the focusing of giant sea waves. 2015 , 100, 751-755	1
892	Dust ion acoustic rogue waves in superthermal warm ion plasma. 2015 , 81,	26
891	Breather interactions and higher-order nonautonomous rogue waves for the inhomogeneous nonlinear Schr¶dinger Maxwell B loch equations. 2015 , 359, 97-114	105
890	Soliton's eigenvalue based analysis on the generation mechanism of rogue wave phenomenon in optical fibers exhibiting weak third order dispersion. 2015 , 23, 143-53	7
889	Vector rogue waves in the Manakov system: diversity and compossibility. 2015 , 48, 215202	79
888	Second-order Lagrangian description of tri-dimensional gravity wave interactions. <i>Journal of Fluid Mechanics</i> , 2015 , 772, 165-196	5

887	Modulational instabilities of periodic traveling waves in deep water. 2015 , 300, 26-33	8
886	Control modulation instability in photorefractive crystals by the intensity ratio of background to signal fields. 2015 , 23, 10266-71	4
885	Study of modulation instability for nonlinear Schr¶dinger equation phase locked with an external source. 2015 , 24, 1550034	4
884	Modulational instability in nonlocal media with competing non-Kerr nonlinearities. 2015 , 357, 7-14	9
883	Some aspects of optical spatial solitons in photorefractive media and their important applications. 2015 , 85, 975-992	2
882	Modulational Instability in the Whitham Equation for Water Waves. 2015 , 134, 120-143	47
881	Gerald Beresford Whitham. 13 December 1927 126 January 2014. 2015 , 61, 555-577	2
880	Hamiltonian Partial Differential Equations and Applications. 2015,	3
879	Modulational instability in the Whitham equation with surface tension and vorticity. 2015, 129, 104-118	25
878	Spectral transverse instabilities and soliton dynamics in the higher-order multidimensional nonlinear Schridinger equation. 2015 , 313, 26-36	13
877	Extraordinary electromagnetic localized structures in plasmas: Modulational instability, envelope solitons, and rogue waves. 2015 , 379, 595-602	5
876	Modulational and oscillatory instabilities of Bose E instein condensates with two- and three-body interactions trapped in an optical lattice potential. 2015 , 379, 299-307	7
875	Theoretical investigation of modulation instability in a three-core coupler with negative index material channel. 2015 , 379, 223-229	16
874	Modulation instability induced by cross-phase modulation in negative index materials with higher-order nonlinearity. 2015 , 339, 66-73	5
873	Controllable bright and dark rogue waves in inhomogeneous erbium doped fibers. 2015 , 21, 20-25	11
872	Initial wave breaking dynamics of Peregrine-type rogue waves: A numerical and experimental study. 2015 , 49, 71-76	33
871	Technical note: Common characteristics of directional spreading-steepness joint distribution in freak wave events. 2016 ,	
870	The Hydrodynamic Nonlinear Schr¶dinger Equation: Space and Time. 2016 , 1, 23	22

869	Modelling wavedurrent interactions off the east coast of Scotland. 2016, 12, 875-897		9
868	Periodic envelopes of waves over non-uniform depth. 2016 , 28, 042106		4
867	Modulation instabilities in equilateral three-core optical fibers. 2016 , 33, 2357		9
866	Nonlinear plasmonics in a two-dimensional plasma layer. 2016 , 18, 053007		6
865	Nonlinear Water Waves. 2016 ,		2
864	A nonlinear lattice model for Heisenberg helimagnet and spin wave instabilities. 2016 , 499, 49-56		6
863	Relativistic dynamics, Green function and pseudodifferential operators. 2016 , 57, 063503		7
862	Drift-induced Benjamin-Feir instabilities. 2016 , 114, 68003		4
861	Chapter 12 Time Reversal of Linear and Nonlinear Water Waves. 2016 , 401-436		
860	Nonlinear guided waves: Preface. 2016 , 25, 1650041		
860 859	Nonlinear guided waves: Preface. 2016, 25, 1650041 An analysis of spatiotemporal localized solutions in the variable coefficients (3 + 1)-dimensional nonlinear Schradinger equation with six different forms of dispersion parameters. 2016, 26, 073116		4
	An analysis of spatiotemporal localized solutions in the variable coefficients (3 + 1)-dimensional		4
859	An analysis of spatiotemporal localized solutions in the variable coefficients (3 + 1)-dimensional nonlinear Schr¶dinger equation with six different forms of dispersion parameters. 2016 , 26, 073116 Nonlinear excitations in negative index materials: Modulational instability and solitary wave		4
859 858	An analysis of spatiotemporal localized solutions in the variable coefficients (3 + 1)-dimensional nonlinear Schr¶dinger equation with six different forms of dispersion parameters. 2016, 26, 073116 Nonlinear excitations in negative index materials: Modulational instability and solitary wave solutions. 2016,		12
859 858 857	An analysis of spatiotemporal localized solutions in the variable coefficients (3 + 1)-dimensional nonlinear Schradinger equation with six different forms of dispersion parameters. 2016, 26, 073116 Nonlinear excitations in negative index materials: Modulational instability and solitary wave solutions. 2016, WAVE-GENERATED FLOWS ON THE WATER SURFACE. 2016, 42, 1660179 Modulation instability in quasi-two-dimensional spinbrbit coupled BoseEinstein condensates. 2016, 49, 245301 Extreme run-up events on a vertical wall due to nonlinear evolution of incident wave groups.	3-7	
859 858 857 856	An analysis of spatiotemporal localized solutions in the variable coefficients (3 + 1)-dimensional nonlinear Schradinger equation with six different forms of dispersion parameters. 2016, 26, 073116 Nonlinear excitations in negative index materials: Modulational instability and solitary wave solutions. 2016, WAVE-GENERATED FLOWS ON THE WATER SURFACE. 2016, 42, 1660179 Modulation instability in quasi-two-dimensional spinBrbit coupled BoseEinstein condensates. 2016, 49, 245301 Extreme run-up events on a vertical wall due to nonlinear evolution of incident wave groups.	3.7	12
859 858 857 856	An analysis of spatiotemporal localized solutions in the variable coefficients (3 + 1)-dimensional nonlinear Schradinger equation with six different forms of dispersion parameters. 2016, 26, 073116 Nonlinear excitations in negative index materials: Modulational instability and solitary wave solutions. 2016, WAVE-GENERATED FLOWS ON THE WATER SURFACE. 2016, 42, 1660179 Modulation instability in quasi-two-dimensional spinBrbit coupled BoseEinstein condensates. 2016, 49, 245301 Extreme run-up events on a vertical wall due to nonlinear evolution of incident wave groups. Journal of Fluid Mechanics, 2016, 797, 644-664	3-7	12 16

851 Observing geophysical state variables and their dynamics with decametric radar. **2016**,

850	High-Order Perturbation of Surfaces Short Course: Stability of Traveling Water Waves. 51-62	1
× 10	Discrete solitons of the focusing Ablowitz-Ladik equation with nonzero boundary conditions via inverse scattering. 2016 , 57, 083510	9
848	Coupling of two counterpropagating modes in nonlinear split-ring resonators hain. 2016 , 367, 346-350	1
	Reduced-order precursors of rare events in unidirectional nonlinear water waves. <i>Journal of Fluid Mechanics</i> , 2016 , 790, 368-388	57
	Breaking-onset, energy and momentum flux in unsteady focused wave packets. <i>Journal of Fluid Mechanics</i> , 2016 , 790, 553-581	40
V 1 =	Modulational instability, nonautonomous characteristics and semirational solutions for the coupled nonlinear Schr¶dinger equations in inhomogeneous fibers. 2016 , 40, 216-237	24
844	Whitham theory for perturbed Kortewegle Vries equation. 2016 , 333, 99-106	8
843	Numerical simulation of surface waves instability on a homogeneous grid. 2016 , 321-322, 51-66	12
842	Propagation of envelope bright breather coupled wave modes in Ablowitz[ladik chains. 2016 , 40, 8139-8155	2
	Nonautonomous rogue wave solutions and numerical simulations for a three-dimensional nonlinear Schr¶dinger equation. 2016 , 85, 1929-1938	1
840	Multi-soliton, multi-breather and higher order rogue wave solutions to the complex short pulse equation. 2016 , 327, 13-29	80
839	Suppression of modulation instability in pump modulated flat-mirror VECSELs. 2016,	1
838	Localized modulated wave solutions in diffusive glucoselhsulin systems. 2016 , 380, 2154-2159	5
	Maximal intensity higher-order Akhmediev breathers of the nonlinear Schr¶dinger equation and their systematic generation. 2016 , 380, 3625-3629	18
836	Integrability in Action: Solitons, Instability and Rogue Waves. 2016 , 23-53	12
835	Hydrodynamic Envelope Solitons and Breathers. 2016 , 55-87	3
834	Experiments on Breathers in Nonlinear Fibre Optics. 2016 , 89-115	2

833 Hamiltonian Description of Ocean Waves and Freak Waves. **2016**, 117-157

832	Dynamical indicators for the prediction of bursting phenomena in high-dimensional systems. 2016 , 94, 032212	33
831	Tracking Breather Dynamics in Irregular Sea State Conditions. 2016 , 117, 144103	41
830	Rogue and Shock Waves in Nonlinear Dispersive Media. 2016 ,	35
829	Modulational instability in a PT-symmetric vector nonlinear Schr¶dinger system. 2016 , 336, 53-61	6
828	Superposed nonlinear waves in coherently coupled Bose E instein condensates. 2016 , 380, 3244-3252	14
827	The instability of Wilton ripples. 2016 , 66, 147-155	14
826	Comparison of linear and nonlinear extreme wave statistics. 2016 , 35, 99-105	6
825	Modeling the spatial evolutions of nonlinear unidirectional surface gravity waves with fully nonlinear numerical method. 2016 , 125, 60-69	7
824	Bipolar solitons of the focusing nonlinear Schr¶dinger equation. 2016 , 501, 117-122	2
823	Suppression of pattern-forming instabilities by genetic optimization. 2016 , 94, 010202	2
822	Physical modelling of wave scattering around fixed FPSO-shaped bodies. 2016 , 61, 115-129	13
821	The stability of capillary waves on fluid sheets. <i>Journal of Fluid Mechanics</i> , 2016 , 806, 5-34 3.7	5
820	Extreme waves in the ocean. 2016 , 80, 194-197	
819	Generation of nonlinear modulated waves in a modified Noguchi electrical transmission network. 2016 , 92, 1-8	5
818	Modulation instability and solitons in two-color nematic crystals. 2016 , 380, 3473-3479	8
817	Transverse instability in a diffraction-management structure consisting of negative-index and positive-index materials. 2016 , 33, 1702	3
816	Twenty years of progresses in oceanic rogue waves: the role played by weakly nonlinear models. 2016 , 84, 541-548	14

815	Manipulating localized matter waves in multicomponent Bose-Einstein condensates. 2016 , 93, 032212	24
814	Influence of optical activity on rogue waves propagating in chiral optical fibers. 2016 , 93, 062223	5
813	Dynamical playground of a higher-order cubic Ginzburg-Landau equation: From orbital connections and limit cycles to invariant tori and the onset of chaos. 2016 , 94, 012210	8
812	Pattern Generation by Dissipative Parametric Instability. 2016 , 116, 028701	26
811	Wave solitons in a coupled left-handed nonlinear transmission line: Effect of the coupling parameter. 2016 , 91, 400-405	O
810	Influence of birefringence in the instability spectra of oppositely directed coupler with negative index material channel. 2016 , 93,	11
809	Nonlinear waves in coherently coupled Bose-Einstein condensates. 2016 , 93,	9
808	Universal Nature of the Nonlinear Stage of Modulational Instability. 2016 , 116, 043902	71
807	Self-Organization of Light in Optical Media with Competing Nonlinearities. 2016, 116, 163902	40
806	The Linear Stability of a Wavetrain Propagating on Water of Variable Depth. 2016 , 76, 2030-2041	4
805	A theoretical study on threshold conditions of modulation instability in oppositely directed couplers. 2016 , 18, 125502	6
804	Experimental study on the dynamic responses of a freestanding bridge tower subjected to coupled actions of wind and wave loads. 2016 , 159, 36-47	23
803	A forecast model of freak wave generations in deep water. 2016 , 19, 303-313	
802	Wave modulation: the geometry, kinematics, and dynamics of surface-wave packets. <i>Journal of Fluid Mechanics</i> , 2016 , 803, 292-312	10
801	Modulation Instability and Extreme Events Beyond Initial Three Wave Systems. 2016,	1
800	Predictability of the appearance of anomalous waves at sufficiently small Benjamin E eir indices. 2016 , 103, 568-572	6
799	Ship responses to abnormal waves simulated by the nonlinear Schr¶dinger equation. 2016, 119, 143-153	2
798	Linear instability of plane Couette and Poiseuille flows. 2016 , 122, 925-931	6

797	Nonlinear sharpening during superposition of surface waves. 2016 , 66, 931-937	5
796	Laboratory Experiments on the Effects of a Variable Current Field on the Spectral Geometry of Water Waves. 2016 , 46, 2695-2717	8
795	Extreme wave solutions: Parametric studies and wavelet analysis. 2016 , 83, 39-47	3
794	Impact of extreme waves on a vertical wall. 2016 , 84, 637-653	7
793	Detuning and wave breaking during nonlinear surface wave focusing. 2016 , 113, 215-223	12
79 ²	Modulational instability in nonlinear nonlocal equations of regularized long wave type. 2016 , 325, 98-112	7
791	Waves. 2016 , 10-1-10-22	
790	Inverse Scattering Transform for the Focusing Ablowitz-Ladik System with Nonzero Boundary Conditions. 2016 , 137, 28-52	10
789	Higher-order semirational solutions and nonlinear wave interactions for a derivative nonlinear Schr¶dinger equation. 2016 , 33, 218-228	30
788	Localized structures in complex plasmas in the presence of a magnetic field. 2016 , 361, 1	4
787	Modulation theory, dispersive shock waves and Gerald Beresford Whitham. 2016 , 333, 6-10	4
786	Modulation instability in a triangular three-core coupler with a negative-index material channel. 2016 , 18, 035102	9
785	Modelling of the temporal and spatial evolutions of weakly nonlinear random directional waves with the modified nonlinear Schr¶dinger equations. 2016 , 55, 130-140	8
784	Turbulence in the OttAntonsen equation for arrays of coupled phase oscillators. 2016 , 29, 257-270	17
783	Amplification of matter rogue waves and breathers in quasi-two-dimensional Bose-Einstein condensates. 2016 , 89, 1	7
782	The long and winding road. 2016 , 12, 198-199	15
781	A hybrid model for simulating rogue waves in random seas on a large temporal and spatial scale. 2016 , 313, 279-309	7
780	AkhmedievBeregrine rogue waves generation in a composite right/left-handed transmission line. 2016 , 48, 1	13

(2017-2016)

779	Modulated charge patterns and noise effect in a twisted DNA model with solvent interaction. 2016 , 442, 498-509	14
778	Effect of competing cubic-quintic nonlinearities on the modulational instability in nonlocal Kerr-type media. 2016 , 63, 558-565	7
777	Nonautonomous rogue waves and flatch[dynamics for the combined HirotalIPD equation with variable coefficients. 2016 , 34, 142-153	58
776	Nonlinear nano-scale localized breather modes in a discrete weak ferromagnetic spin lattice. 2016 , 401, 394-405	31
775	Detection and analysis of coherent groups in three-dimensional fully-nonlinear potential wave fields. 2016 , 103, 73-86	6
774	Introduction. 2016 , 1-19	
773	Modulational Instability in Equations of KdV Type. 2016 , 83-133	16
772	On Higher-Order Boussinesq-Type Wave Models. 2016 , 142, 04015011	5
771	New Approaches to Nonlinear Waves. 2016 ,	2
770	Long-range patterns in Hindmarsh R ose networks. 2017 , 43, 211-219	30
769	Benjamin E eir instabilities on directed networks. 2017 , 96, 8-16	10
768	Frequency mode excitations in two-dimensional Hindmarsh B ose neural networks. 2017 , 474, 186-198	16
767	Localization for spatial pectral implementations of 1D Analytic Boussinesq equations. 2017, 72, 113-132	7
766	Exact brightlark solitary wave solutions of the higher-order cubicquintic nonlinear Schrqdinger equation and its stability. 2017 , 138, 40-49	116
765	Vector-Resonance-Multimode Instability. 2017 , 118, 033904	12
764	Bipolar-rogue-wave structures. 2017 , 117, 14003	1
763	Modulational instability in asymmetric nonlocal media with optical lattices. 2017, 144, 246-250	
762	Applications of extended simple equation method on unstable nonlinear Schr¶dinger equations. 2017 , 140, 136-144	139

761	Linear and nonlinear statistics of extreme waves. 2017 , 32,	2
760	Formation of matter-wave soliton trains by modulational instability. 2017 , 356, 422-426	116
759	Laboratory and numerical study of intense envelope solitons of water waves: Generation, reflection from a wall, and collisions. 2017 , 29, 047103	25
758	Rogue waves in birefringent optical fibers: elliptical and isotropic fibers. 2017 , 19, 065501	10
757	Propagation of electromagnetic soliton in a spin polarized current driven weak ferromagnetic nanowire. 2017 , 441, 660-671	5
756	Fermi P asta D lam recurrence and modulation instability. 2017 , 105, 125-129	14
755	Dynamics of Nth-order rogue waves in ((2+1))-dimensional Hirota equation. 2017 , 88, 1	4
754	Self-focusing and de-focusing of intense left and right-hand polarized laser pulse in hot magnetized plasma: Laser out-put power and laser spot-size. 2017 , 142, 360-369	10
753	The Darboux transformation for the WadatiRonnolthikawa system. 2017, 191, 710-724	8
752	Line Rogue Waves in the Melāikov Equation. 2017 , 72, 609-615	5
751	Breather structures in degenerate relativistic non-extensive plasma. 2017, 83,	8
750	A high-order spectral method for nonlinear water waves in the presence of a linear shear current. 2017 , 154, 224-235	7
749	On the Spectral Dynamics of Noise-Seeded Modulation Instability in Optical Fibers. 2017 , 265-276	1
748	Modulational instability in nonlocal Kerr media with a sine-oscillatory response. 2017, 394, 31-36	14
747	Reduced-order prediction of rogue waves in two-dimensional deep-water waves. 2017, 340, 418-434	29
746	Similarity Theory for Turbulence, Induced by Orbital Motion of Surface Water Waves. 2017 , 20, 99-102	5
745	An experimental and numerical study on breather solutions for surface waves in the intermediate water depth. 2017 , 133, 262-270	5
744	Superregular breathers, characteristics of nonlinear stage of modulation instability induced by higher-order effects. 2017 , 473, 20160681	68

743 Modulation Instability, Four-Wave Mixing and their Applications. **2017**, 1-33

742	Rogue Breather Structures in Nonlinear Systems with an Emphasis on Optical Fibers as Testbeds. 2017 , 293-323		1
741	Waves in hyperbolic and double negative metamaterials including rogues and solitons. 2017 , 28, 44400	1	21
740	On the strength of the weakly nonlinear theory for surface gravity waves. <i>Journal of Fluid Mechanics</i> , 2017 , 810, 1-4	3.7	6
739	On the threshold for wave breaking of two-dimensional deep water wave groups in the absence and presence of wind. <i>Journal of Fluid Mechanics</i> , 2017 , 811, 642-658	3.7	30
738	Light polarization oscillations induced by photon-photon scattering. 2017 , 96,		5
737	Experiments on higher-order and degenerate Akhmediev breather-type rogue water waves. 2017 , 3, 385-394		8
736	A framework for efficient irregular wave simulations using Higher Order Spectral method coupled with viscous two phase model. 2017 , 2, 253-267		9
735	Modulation stability and optical soliton solutions of nonlinear Schr¶dinger equation with higher order dispersion and nonlinear terms and its applications. 2017 , 112, 422-434		83
734	Modulational Instability in JONSWAP Sea States Using the Alber Equation. 2017,		1
733	Versatile rogue waves in scalar, vector, and multidimensional nonlinear systems. 2017 , 50, 463001		113
732	Modulation instability of a spin-1 BoseEinstein condensate with spinBrbit coupling. 2017, 50, 235302		2
731	Kuznetsov-Ma Soliton Dynamics Based on the Mechanical Effect of Light. 2017 , 119, 153901		55
730	Projected Changes in the Occurrence of Extreme and Rogue Waves in Future Climate in the North Atlantic. 2017 ,		1
729	Synchronized nonlinear patterns in electrically coupled Hindmarsh R ose neural networks with long-range diffusive interactions. 2017 , 104, 813-826		18
728	Breather solutions of a fourth-order nonlinear Schr¶dinger equation in the degenerate, soliton, and rogue wave limits. 2017 , 96, 042209		28
727	Three Dimensional Velocity Field Underneath a Breaking Rogue Wave. 2017,		1
726	Estimation of wave height probability based on the statistics of significant wave height. 2017 , 3, 417-42	23	4

725	An exact Hamiltonian coupled-mode system with application to extreme design waves over variable bathymetry. 2017 , 3, 373-383	3
724	Nonconservative higher-order hydrodynamic modulation instability. 2017 , 96, 022219	21
723	Elliptic function and solitary wave solutions of the higher-order nonlinear Schr¶dinger dynamical equation with fourth-order dispersion and cubic-quintic nonlinearity and its stability. 2017 , 132, 1	78
722	Envelope solitons in three-component degenerate relativistic quantum plasmas. 2017 , 24, 092115	15
721	Effects of higher-order nonlinear dispersions on modulational instability in a three-core coupler with negative index material channel and saturable nonlinearity. 2017 , 149, 5-21	6
720	Freak oscillation in a dusty plasma. 2017 , 95, 053207	8
719	Charge transport in DNA model with vibrational and rotational coupling motions. 2017, 43, 341-353	2
718	Self-Focusing and de-Focusing of Intense Left- and Right-Hand Polarized Laser Pulse in Hot Magnetized Plasma in the Presence of an External Non-Uniform Magnetized Field. 2017 , 47, 473-480	8
717	Modulational instability in the full-dispersion Camassa-Holm equation. 2017 , 473, 20170153	3
716	Recurrence in the high-order nonlinear Schr¶dinger equation: A low-dimensional analysis. 2017 , 96, 012222	12
7 ¹ 5	Wave breaking in the Whitham equation. 2017 , 317, 410-437	28
714	On the effect of discreteness in the modulation instability for the Salerno model. 2017 , 27, 073118	1
713	Spatial evolution of an initially narrow-banded wave train. 2017 , 3, 333-351	6
	Spacial evolution of an inicially narrow barrace wave craim. 2011, 3, 333-331	
712	Adiabatic transformation of continuous waves into trains of pulses. 2017 , 96,	22
712 711		22 17
	Adiabatic transformation of continuous waves into trains of pulses. 2017, 96, Modulation instability analysis of modify unstable nonlinear schrodinger dynamical equation and its	
711	Adiabatic transformation of continuous waves into trains of pulses. 2017, 96, Modulation instability analysis of modify unstable nonlinear schrodinger dynamical equation and its optical soliton solutions. 2017, 7, 4153-4161	17

707	Stability through asymmetry: Modulationally stable nonlinear supermodes of asymmetric non-Hermitian optical couplers. 2017 , 95,	23
706	Influence of varying bathymetry in rogue wave occurrence within unidirectional and directional sea-states. 2017 , 3, 309-324	11
705	Harmonic energy transfer for extreme waves in current. 2017 , 31, 160-166	
704	Rogue waves in nonlocal media. 2017 , 95, 042211	9
703	Topological stabilization for synchronized dynamics on networks. 2017 , 90, 1	14
702	Effects of the third-order dispersion on continuous waves in complex potentials. 2017 , 71, 1	4
701	Group-velocity-mismatch-induced transition from absolute to convective instability in birefringent fibers. 2017 , 95,	
700	Dynamics of the higher-order rogue waves for a generalized mixed nonlinear Schr¶dinger model. 2017 , 42, 502-519	50
699	Dynamics of Peregrine combs and Peregrine walls in an inhomogeneous Hirota and Maxwell-Bloch system. 2017 , 47, 190-199	33
698	How pattern is selected in drift wave turbulence: Role of parallel flow shear. 2017 , 24, 122305	6
697	Laboratory and modeling study on modulated wave properties. 2017, 25, 307-314	
696	Impulse response and spatio-temporal wave-packets: The common feature of rogue waves, tsunami, and transition to turbulence. 2017 , 29, 124103	19
695	Breather-type solitons in exciton-polariton microcavities. 2017 , 132, 1	2
694	Spectral up- and downshifting of Akhmediev breathers under wind forcing. 2017 , 29, 107103	17
693	On the Elliptic-Hyperbolic Transition in Whitham Modulation Theory. 2017 , 77, 1989-2011	8
692	Measurement of spatial wave profiles and particle velocities on a wave surface by stereo imaging Dalidation with unidirectional regular waves 2017 , 25, 93-102	
691	Soliton generation and stability in the discrete left-handed electrical network. 2017,	
690	Potential Wave Theory, Instability of Wave Trains. 2017 , 1-11	

689 Wave Breaking and Dissipation. 2017, 1-9

688	Modulation instability in collinear three-core optical fibers. 2017 , 34, 2467	8
687	Modulational Instability in Linearly Coupled Asymmetric Dual-Core Fibers. 2017, 7, 645	13
686	Advanced wave modeling, including wave-current interaction. 2017 , 75, 239-262	7
685	Cross-phase modulation induced modulation instability in negative index metamaterial with saturable nonlinear response. 2017 , 34, 2203	2
684	Stabilization of the Peregrine soliton and KuznetsovMa breathers by means of nonlinearity and dispersion management. 2018 , 382, 968-972	8
683	Envelope solitary waves and their reflection and transmission due to impurities in a granular material. 2018 , 27, 014501	1
682	Rogue Waves in Multi-Ion Cometary Plasmas. 2018 , 44, 102-109	4
681	Optical soliton solutions of nonlinear Schr¶dinger equation with second order spatiotemporal dispersion and its modulation instability. 2018 , 161, 221-229	31
680	Nonlinear Waves and Pattern Dynamics. 2018,	4
679	Modulational Instability and Rogue Waves in Crossing Sea States. 2018 , 48, 1317-1331	18
678	KBM approach to dust acoustic envelope soliton in strongly coupled plasma. 2018 , 109, 252-258	1
677	Rogue Waves in the Ocean, the Role of Modulational Instability, and Abrupt Changes of Environmental Conditions that Can Provoke Non Equilibrium Wave Dynamics. 2018 , 239-247	6
676	New soliton solutions for a discrete electrical lattice using the Jacobi elliptical function method. 2018 , 56, 1010-1020	15
675	Experimental and numerical investigations of temporally and spatially periodic modulated wave trains. 2018 , 30, 034101	7
674	Modulated wave formation in myocardial cells under electromagnetic radiation. 2018 , 32, 1850165	26
673	Rossby Wave Packets on the Midlatitude Waveguide Review. 2018, 146, 1965-2001	75
672	Effects of intermode nonlinearity and intramode nonlinearity on modulation instability in randomly birefringent two-mode optical fibers. 2018 , 415, 74-81	4

671	The exact rogue wave recurrence in the NLS periodic setting via matched asymptotic expansions, for 1 and 2 unstable modes. 2018 , 382, 973-979	34
670	Wave Breaking in a Shallow Water Model. 2018 , 50, 354-380	9
669	On the Mathematical Description of Time-Dependent Surface Water Waves. 2018 , 120, 117-141	1
668	Rogue waves and large deviations in deep sea. 2018 , 115, 855-860	48
667	Breather Rogue Waves in Random Seas. 2018 , 9,	12
666	Breathing pulses in the damped-soliton model for nerves. 2018 , 97, 012211	5
665	Modulated heavy nucleus-acoustic waves and associated rogue waves in a degenerate relativistic quantum plasma system. 2018 , 25, 012113	25
664	Bright Bark solitary wave and elliptic function solutions of unstable nonlinear Schr dinger equation and their applications. 2018 , 50, 1	29
663	Resonant interfacial capillary@ravity waves in the presence of damping effects. 2018, 68, 20-29	
662	Nonlinear stage of Benjamin-Feir instability in forced/damped deep-water waves. 2018 , 30, 017102	12
661	Modulational Instability of Dipolar Bose E instein Condensates in Optical Lattices with Three-Body Interactions. 2018 , 35, 010301	2
660	Matter rogue waves for the three-component Gross-Pitaevskii equations in the spinor Bose-Einstein condensates. 2018 , 474, 20170276	23
659	Matter-wave solitons of Bose E instein condensates with time-dependent complex potentials. 2018 , 32, 1850184	3
658	Integrability and Linear Stability of Nonlinear Waves. 2018 , 28, 1251-1291	15
657	Electroconvection in one-dimensional liquid crystal cells. 2018 , 97, 042707	3
656	Extreme wave formation in unidirectional sea due to stochastic wave phase dynamics. 2018 , 382, 1864-1872	7
655	Gravity waves on modulated flows downstream from an obstacle: The transcritical case. 2018, 97,	2
654	Generation mechanism of rogue waves for the discrete nonlinear Schr¶dinger equation. 2018, 83, 110-115	39

653	Modulational instability and higher order-rogue wave solutions for the generalized discrete Hirota equation. 2018 , 79, 84-97	34
652	Infinitely many solutions for a class of stationary Schr¶dinger equations with non-standard growth. 2018 , 63, 482-500	1
651	Rogue wave in coupled electric transmission line. 2018 , 92, 369-375	10
650	Nonlinear Wavepackets and Nonlinear Schroedinger Equation. 2018, 405-464	
649	Experimental observation of the bipolar super-regular breathers dynamics induced by modulation instability from arbitrary perturbed background. 2018 , 157, 217-221	1
648	The pressure field beneath intense surface water wave groups. 2018 , 67, 25-34	2
647	Optical soliton solutions of unstable nonlinear Schr¶odinger dynamical equation and stability analysis with applications. 2018 , 157, 597-605	30
646	Modulation stability and dispersive optical soliton solutions of higher order nonlinear Schr¶dinger equation and its applications in mono-mode optical fibers. 2018 , 113, 419-429	24
645	Observations of Breaking Waves and Energy Dissipation in Modulated Wave Groups. 2018, 48, 2937-2948	9
644	Mechanisms And Modelling of Wind Driven Waves. 2018 , 26, 3-13	3
644	Mechanisms And Modelling of Wind Driven Waves. 2018 , 26, 3-13 References. 2018 , 247-259	3
		3
643	References. 2018 , 247-259	46
643	References. 2018, 247-259 Numerical modelling of nonlinear extreme waves in presence of wind. 2018, 37, 90-98	
643 642 641	References. 2018, 247-259 Numerical modelling of nonlinear extreme waves in presence of wind. 2018, 37, 90-98 Machine learning analysis of extreme events in optical fibre modulation instability. 2018, 9, 4923	46
643 642 641	References. 2018, 247-259 Numerical modelling of nonlinear extreme waves in presence of wind. 2018, 37, 90-98 Machine learning analysis of extreme events in optical fibre modulation instability. 2018, 9, 4923 Universal Behavior of Modulationally Unstable Media. 2018, 60, 888-908	46
643 642 641 640	References. 2018, 247-259 Numerical modelling of nonlinear extreme waves in presence of wind. 2018, 37, 90-98 Machine learning analysis of extreme events in optical fibre modulation instability. 2018, 9, 4923 Universal Behavior of Modulationally Unstable Media. 2018, 60, 888-908 Modulation instability in higher-order nonlinear Schradinger equations. 2018, 28, 123116 Vector rogue waves, rogue wave-to-soliton conversions and modulation instability of the	46 25 9

635 Drifting Rogue Packets. 2018,

634	Generation of a spatially periodic directional wave field in a rectangular wave basin based on higher-order spectral simulation. 2018 , 169, 428-441	11
633	Unstable and stable regimes of polariton condensation. 2018 , 5, 1163	21
632	The periodic Cauchy problem for PT-symmetric NLS, I: the first appearance of rogue waves, regular behavior or blow up at finite times. 2018 , 51, 495207	14
631	On varying coefficients of spatial inhomogeneous nonlinear Schr¶dinger equation. 2018 , 1039, 012001	
630	Modulational instability and peak solitary wave in a discrete nonlinear electrical transmission line described by the modified extended nonlinear Schr¶dinger equation. 2018 , 91, 1	16
629	The finite gap method and the analytic description of the exact rogue wave recurrence in the periodic NLS Cauchy problem. 1. 2018 , 31, 5258-5308	36
628	Phase Resonances of the NLS Rogue Wave Recurrence in the Quasisymmetric Case. 2018 , 196, 1294-1306	9
627	Influence of pseudo-stimulated-Raman-scattering on the modulational instability in an inhomogeneous nonlinear medium. 2018 , 227, 551-561	3
626	Localization of the eigenmode of the drift-resistive plasma by zonal flow. 2018 , 25, 102501	6
625	Nonlinear spectral analysis of chaotic dynamics and rogue waves: Deep water wave and optics applications. 2018 ,	
624	Applications of modified mathematical method on some nonlinear water wave dynamical models. 2018 , 33, 1850204	О
623	Soliton trapping, transmission, and wake in modulationally unstable media. 2018 , 98,	10
622	Late Stages in the Development of Modulation Instability of Waves. 2018,	
621	Breaking of modulated wave groups: kinematics and energy dissipation processes. <i>Journal of Fluid Mechanics</i> , 2018 , 855, 267-298	7
620	Stable and unstable time quasi periodic solutions for a system of coupled NLS equations. 2018 , 31, 4776-481	1 3
619	Ultrashort spatiotemporal optical solitons in waveguide arrays: the effect of combined linear and nonlinear couplings. 2018 , 51, 435202	2
618	Self-Induced Faraday Instability Laser. 2018 , 120, 213902	7

617	Modulation Instability of Copropagating Optical Beams in Fractional Coupled Nonlinear Schr¶dinger Equations. 2018 , 87, 064401	3
616	XPM-induced modulation instability in silicon-on-insulator nano-waveguides and the impact of nonlinear losses. 2018 , 20, 075502	3
615	Modulational instability in nonlinear oppositely directed coupler with saturable delayed nonlinear response. 2018 , 50, 1	3
614	Superregular breathers and state transitions in a resonant erbium-doped fiber system with higher-order effects. 2018 , 382, 2650-2654	40
613	Gain through losses in nonlinear optics. 2018 , 7, 43	14
612	Resonance in modulation instability from non-instantaneous nonlinearities. 2018 , 43, 3329-3332	1
611	Modulation instability in dispersion oscillating fibers. 2018 , 10, 1	26
610	Can Rogue Waves Be Predicted Using Characteristic Wave Parameters?. 2018 , 123, 5624-5636	17
609	Modulation instability in two-dimensional waveguide arrays with alternating signs of refractive index. 2018 , 35, 2057	2
608	Experimental study on the evolution of Peregrine breather with uniform-depth adverse currents. 2018 , 97, 053102	4
607	Mathematical Modeling of Rogue Waves: A Survey of Recent and Emerging Mathematical Methods and Solutions. 2018 , 7, 42	7
606	Analysis of the Nonlinear Spectrum of Intense Sea Wave with the Purpose of Extreme Wave Prediction. 2018 , 61, 1-21	12
605	Chaos in breaking waves. 2018 , 140, 272-291	11
604	Stabilization of broad-area semiconductor laser sources by simultaneous index and pump modulations. 2018 , 43, 2511-2514	4
603	Periodic soliton trains and informational code structures in an improved soliton model for biomembranes and nerves. 2018 , 98, 022216	3
602	Nonlinear waves in the modulation instability regime for the fifth-order nonlinear Schr¶dinger equation. 2018 , 85, 110-117	23
601	Case study on wave-current interaction and its effects on ship navigation. 2018, 30, 411-419	5
600	Kuznetsov-Ma solution and Akhmediev breather for TD equation. 2019 , 67, 555-567	5

599	On the incomplete recurrence of modulationally unstable deep-water surface gravity waves. 2019 , 66, 167-182	4
598	Vector multi-rogue waves for the three-coupled fourth-order nonlinear Schr¶dinger equations in an alpha helical protein. 2019 , 67, 49-59	20
597	Superharmonic instability of nonlinear travelling wave solutions in Hamiltonian systems. <i>Journal of Fluid Mechanics</i> , 2019 , 876, 896-911	1
596	On kurtosis and extreme waves in crossing directional seas: a laboratory experiment. <i>Journal of Fluid Mechanics</i> , 2019 , 876, 792-817	5
595	Oscillating two-dimensional Ca2+ waves in cell networks with bidirectional paracrine signaling. 2019 , 1-23	1
594	Nonlinear hydroelastic waves on a linear shear current at finite depth. <i>Journal of Fluid Mechanics</i> , 2019 , 876, 55-86	5
593	Modulation instability and soliton formation in the interaction of X-ray laser beam with relativistic quantum plasma. 2019 , 26, 062112	6
592	Numerical simulation of maximum wave loads and run-up heights on offshore wind turbine foundations influenced by the instability of bichromatic wave groups. 2019 , 67, 102648	4
591	Discrete resonant Rossby/drift wave triads: Explicit parameterisations and a fast direct numerical search algorithm. 2019 , 79, 104896	1
590	The (3+1)-dimensional dust-acoustic waves in multi-components magneto-plasmas. 2019 , 59, e201900049	5
589	Lax pair, Darboux transformation and rogue waves for the three-coupled fourth-order nonlinear Schr¶dinger system in an alpha helical protein. 2019 , 1-21	3
588	Field measurement of nonlinear changes to large gravity wave groups. <i>Journal of Fluid Mechanics</i> , 2019 , 873, 1158-1178	4
587	Experimental Observation of Modulational Instability in Crossing Surface Gravity Wavetrains. 2019 , 4, 105	3
586	Head-on Collision of Ion-Acoustic Solitary Waves with Two Negative Ion Species in Electron Positron Ibn Plasmas and Production of Rogue Waves. 2019 , 45, 871-887	3
585	Wave Groups Observed in Pancake Sea Ice. 2019 , 124, 7400-7411	7
584	Breather waves, high-order rogue waves and their dynamics in the coupled nonlinear Schr¶dinger equations with alternate signs of nonlinearities. 2019 , 127, 50005	20
583	The finite-gap method and the periodic NLS Cauchy problem of anomalous waves for a finite number of unstable modes. 2019 , 74, 211-263	14
582	Three-dimensional Nonlinear Structures in Magnetized Complex Plasmas. 2019 , 45, 1026-1034	6

581	Inverse scattering transform for the defocusing Ablowitz Ladik system with arbitrarily large nonzero background. 2019 , 143, 373-403		3
580	Statistical Properties of the Nonlinear Stage of Modulation Instability in Fiber Optics. 2019 , 123, 093902		29
579	Quintic time-dependent-coefficient derivative nonlinear Schr¶dinger equation in hydrodynamics or fiber optics: bilinear forms and dark/anti-dark/gray solitons. 2019 , 98, 269-282		75
578	Solitons and elliptic function solutions of higher-order dispersive and perturbed nonlinear Schr¶dinger equations with the power-law nonlinearities in non-Kerr medium. 2019 , 134, 1		7
577	Study of modulation instability analysis and optical soliton solutions of higher-order dispersive nonlinear Schr¶dinger equation with dual-power law nonlinearity. 2019 , 33, 1950309		3
576	EVOLUTION OF A PAIR OF RANDOM INHOMOGENEOUS WAVE SYSTEMS OVER INFINITE-DEPTH WATER. 2019 , 61, 233-247		
575	On the Asymmetric Spectral Broadening of a Hydrodynamic Modulated Wave Train in the Optical Regime. 2019 , 4, 84		4
574	Doubly periodic solutions of the class-I infinitely extended nonlinear Schr¶dinger equation. 2019 , 99, 052217		6
573	Magnetoacoustic Nonlinear Solitary and Freak Waves in Pair-Ion Plasma. 2019 , 74, 777-786		1
572	Evolutionary properties of mechanically generated deepwater extreme waves induced by nonlinear wave focusing. 2019 , 186, 106077		2
571	Soliton solutions of the generalised third-order nonlinear Schr¶dinger equation by two mathematical methods and their stability. 2019 , 93, 1		24
570	Focusing deep-water surface gravity wave packets: wave breaking criterion in a simplified model. Journal of Fluid Mechanics, 2019, 873, 238-259	3.7	5
569	Rogue Waves and Their Dynamics on Bright-Dark Soliton Background of the Coupled Higher Order Nonlinear Schr¶dinger Equation. 2019 , 88, 074004		36
568	Transmission of rogue wave signals through a modified Noguchi electrical transmission network. 2019 , 99, 062222		13
567	The effects of surface tension on modulational instability in full-dispersion water-wave models. 2019 , 77, 177-182		3
566	Spatio-temporal instability in negative index materials. 2019 , 189, 15-22		1
565	Breather-like solitons, rogue waves, quasi-periodic/chaotic states for the surface elevation of water waves. 2019 , 97, 21-31		9
564	Simulation of unidirectional propagating wave trains in deep water using a fully non-hydrostatic model. 2019 , 180, 254-266		8

(2019-2019)

563	Cross-phase modulation instability under delayed response and walk-off effects in the anomalous regime of dispersion. 2019 , 73, 1	1
562	Drifting breathers and FermiPastaDlam paradox for water waves. 2019, 90, 168-174	3
561	On Natural Modulational Bandwidth of Deep-Water Surface Waves. 2019 , 4, 67	4
560	The Velocity Field Underneath a Breaking Rogue Wave: Laboratory Experiments Versus Numerical Simulations. 2019 , 4, 68	7
559	Breather Turbulence: Exact Spectral and Stochastic Solutions of the Nonlinear Schr¶dinger Equation. 2019 , 4, 72	8
558	Extended criterion for the modulation instability. 2019 , 21, 033029	4
557	Quasi-analytical Perturbation Analysis of the Generalized Nonlinear Schr¶dinger Equation. 2019 , 250-258	
556	Construction of modulation instability analysis and optical soliton solutions of pertubed nonlinear Schr¶dinger dynamical equation with power law nonlinearity in non-kerr medium. 2019 , 13, 102263	19
555	Extreme Events: Mechanisms and Prediction. 2019 , 71,	40
554	Study of optical soliton fibers with power law model by means of higher-order nonlinear Schr¶dinger dynamical system. 2019 , 13, 102251	12
553	Derivative Nonlinear Schr¶dinger Equations for Single Transmission Lines. 2019 , 107-155	
552	Traveling Waves in One-Dimensional Electroconvection of Nematic Liquid Crystals. 2019 , 88, 034602	3
551	Turbulence-Induced Rogue Waves in Kerr Resonators. 2019 , 9,	14
550	Temporal variation of modulated-wave-train geometries and their influence on vertical bending moments of a container ship. 2019 , 86, 128-140	3
549	Predicting ocean rogue waves from point measurements: An experimental study for unidirectional waves. 2019 , 99, 032201	14
548	Rogue Wave Formation in Adverse Ocean Current Gradients. 2019 , 7, 26	7
547	Modulational instability in a full-dispersion shallow water model. 2019 , 142, 3-47	15
546	Optical solitary wave and elliptic function solutions of the FokasIlenells equation in the presence of perturbation terms and its modulation instability. 2019 , 94, 105202	24

545	Generation of rogue waves at model scale. 2019 , 4, 100-112	4
544	Rogue Wave Type Solutions and Spectra of Coupled Nonlinear Schr¶dinger Equations. 2019 , 4, 57	14
543	Nonlinear Evolution of the Locally Induced Modulational Instability in Fiber Optics. 2019 , 122, 054101	39
542	Cluster singularity: The unfolding of clustering behavior in globally coupled Stuart-Landau oscillators. 2019 , 29, 023107	12
541	Wave pattern stability of neurons coupled by memristive electromagnetic induction. 2019 , 96, 1083-1093	12
540	Parametric subharmonic instability in a narrow-band wave spectrum. <i>Journal of Fluid Mechanics</i> , 2019 , 865, 247-280	
539	Nobel Prize: Complexity from Atoms to Atmospheres. 2019 , 12,	
538	Statistics of Extreme Waves in Coastal Waters: Large Scale Experiments and Advanced Numerical Simulations. 2019 , 4, 99	22
537	Wave properties using displaced phase amplitude. 2019 , 364, 012009	2
536	An Experimental Study of Focusing Wave Generation with Improved Wave Amplitude Spectra. 2019 , 11, 2521	4
535	Challenges and Future Directions in Ocean Wave Modeling 🖪 Review. 2019 , 06, 1950004	9
534	Modulational instability in oppositely doubled-doped directed couplers with a non-kerr-like nonlinear refractive-index change. 2019 , 51, 1	1
533	Modulational Instability of Trapped Two-Component Bose E instein Condensates. 2019 , 36, 090302	1
532	Harmonic stability of standing water waves. 2019 , 78, 219-260	3
531	Physics of Nonlinear Waves. 2019 , 1, 1-253	
530	Experimental Evidence of Hydrodynamic Instantons: The Universal Route to Rogue Waves. 2019 , 9,	26
529	Solitary wavelike solutions in nonlinear dynamics of damped DNA systems. 2019 , 134, 1	6
528	Instability of nonlinear Trivelpiece-Gould waves I: Wave degeneracies. 2019 , 26, 102111	3

527	Rogue waves and analogies in optics and oceanography. 2019 , 1, 675-689	103
526	Bound State Soliton Gas Dynamics Underlying the Spontaneous Modulational Instability. 2019 , 123, 234102	39
525	Nonlinear Modulational Instability of Dispersive PDE Models. 2019 , 231, 1487-1530	2
524	A higher-order perturbation analysis of the nonlinear Schr¶dinger equation. 2019 , 72, 152-161	1
523	Desynchronization and pattern formation in a noisy feed-forward oscillator network. 2019 , 99, 012303	6
522	Long-time asymptotics of the focusing Kundu E ckhaus equation with nonzero boundary conditions. 2019 , 266, 5209-5253	106
521	Asymptotics for the long-time evolution of kurtosis of narrow-band ocean waves. <i>Journal of Fluid Mechanics</i> , 2019 , 859, 790-818	10
520	On the effects of nonuniform zonal flow in the resistive-drift plasma. 2019 , 61, 035002	6
519	Effect of electromagnetic radiation on the dynamics of spatiotemporal patterns in memristor-based neuronal network. 2019 , 95, 1067-1078	39
518	Effect of quintic nonlinearity on modulation instability in coupled nonlinear Schr¶dinger systems. 2019 , 180, 792-798	3
517	Localized waves for the mixed coupled Hirota equations in an optical fiber. 2019 , 70, 181-192	8
516	Shallow water models with constant vorticity. 2019 , 73, 170-179	9
515	Effects of the wind on the breaking of modulated wave trains. 2019 , 73, 6-23	7
514	An empirical examination of the use of non-dimensional wave parameters. 2020 , 30, 614-631	
513	David J. Benney: Nonlinear Wave and Instability Processes in Fluid Flows. 2020 , 52, 21-36	1
512	Infinite Sharp Conditions by Nehari Manifolds for Nonlinear Schradinger Equations. 2020, 30, 1865-1886	4
511	Quantum description of sea surface. 2020 , 93-110	
510	Instability modulation for the (2+1)-dimension paraxial wave equation and its new optical soliton solutions in Kerr media. 2020 , 95, 035207	35

509 Phase Dynamics of the Dysthe Equation and the Bifurcation of Plane Waves. **2020**, 2, 123-144

508	Soliton solutions of higher order dispersive cubic-quintic nonlinear Schr¶dinger equation and its applications. 2020 , 67, 405-413		10
507	Dynamics of rogue waves based on a Gaussian pulse with tunable noise modulation in optical fiber. 2020 , 458, 124798		1
506	Stability of periodic progressive gravity wave solutions of the Whitham equation in the presence of vorticity. 2020 , 384, 126060		1
505	Solitons, breathers and rogue waves of the coupled Hirota system with 4 🛭 Lax pair. 2020 , 82, 105055		10
504	Dynamics and stability of cw and pulse lasers in Kerr optical media with K-photon absorption. 2020 , 95, 025502		3
503	Experimental and numerical study of the propagation of focused wave groups in the nearshore zone. 2020 , 384, 126144		6
502	Concurrent instabilities causing multiple rogue waves in infinite-dimensional dynamical systems. 2020 , 99, 2265-2275		2
501	Experimental study of dispersion and modulational instability of surface gravity waves on constant vorticity currents. <i>Journal of Fluid Mechanics</i> , 2020 , 884,	3.7	0
500	The Physics of the one-dimensional nonlinear Schr¶dinger equation in fiber optics: Rogue waves, modulation instability and self-focusing phenomena. 2020 , 5, 100037		20
499	Solitons and periodic waves for the (2 + 1)-dimensional generalized CaudreyDodd&ibbon&oteraBawada equation in fluid mechanics. 2020 , 99, 1039-1052		79
498	On the Interaction between Wind Stress and Waves: Wave Growth and Statistical Properties of Large Waves. 2020 , 50, 383-397		6
497	Transformed nonlinear waves, state transitions and modulation instability in a three-component AB model for the geophysical flows. 2020 , 102, 349-362		4
496	The Maccari system as model system for rogue waves. 2020 , 384, 126740		8
495	Tree-like structures and Freak waves generation induced by quintic-nonlinearity and cubic-Raman effect in a nonlinear metamaterial. 2020 , 52, 1		5
494	Nonlinear self-dual network equations: modulation instability, interactions of higher-order discrete vector rational solitons and dynamical behaviours. 2020 , 476, 20200512		4
493	Nonlinear Schr¶dinger equations involved in dark matter halos: modulational instability. 2020 , 135, 1		2
492	Construction of the soliton solutions and modulation instability analysis for the Melflikov system. 2020 , 140, 110159		3

(2020-2020)

491	Experimental and Numerical Studies on the Focused Waves Generated by Double Wave Groups. 2020 , 8,	3
490	The dynamics of surface wave propagation based on the Benjamin Bona Mahony equation. 2020 , 6, e04004	3
489	Stabilization of uni-directional water wave trains over an uneven bottom. 2020 , 101, 1131-1145	1
488	The routes to stability of spatially periodic solutions of the linearly damped NLS equation. 2020 , 135, 1	2
487	Rogue waves and modulation instability in an extended Manakov system. 2020 , 102, 1801-1812	8
486	Nonlinear dynamics determines the thermodynamic instability of condensed matter. 2020 , 378, 20190534	
485	Structural phase transitions of optical patterns in atomic gases with microwave-controlled Rydberg interactions. 2020 , 102,	1
484	Anomalous Waves Triggered by Abrupt Depth Changes: Laboratory Experiments and Truncated KdV Statistical Mechanics. 2020 , 30, 3235-3263	3
483	Effect of temperature fluctuation on the localized pattern of action potential in cardiac tissue. 2020 , 10, 15087	7
482	Wave group focusing in the ocean: estimations using crest velocities and a Gaussian linear model. 2020 , 104, 2431-2449	1
481	Monoatomic chain: modulational instability and exact traveling wave solutions. 2020, 135, 1	1
480	Higher-order matter rogue waves and their deformations in two-component Bose E instein condensates. 2020 , 1-20	1
479	Nonlinear Fourier Analysis: Rogue Waves in Numerical Modeling and Data Analysis. 2020 , 8, 1005	0
478	Fluctuations of the Sea Level, Caused by Gravitational and Infra🏗 ravitational Sea Waves. 2020 , 8, 796	3
477	Modulational instability of coupled waves in electronegative plasmas. 2020 , 95, 075211	1
476	Role of Nonlinear Four-Wave Interactions Source Term on the Spectral Shape. 2020 , 8, 251	5
475	Operational Probabilistic Forecasting of Coastal Freak Waves by Using an Artificial Neural Network. 2020 , 8, 165	6
474	On the risks of using double precision in numerical simulations of spatio-temporal chaos. 2020 , 418, 109629	5

473	Solitary wave solutions of KaupNewell optical fiber model in mathematical physics and its modulation instability. 2020 , 34, 2050277	3
472	Turing and Benjamin E eir instability mechanisms in non-autonomous systems. 2020 , 476, 20200003	9
471	Heavy ionEcoustic rogue waves in magnetized electronFositron multi-ion plasmas. 2020 , 60, e202000036	1
47°	Effect of a small loss or gain in the periodic nonlinear Schr¶dinger anomalous wave dynamics. 2020 , 101, 032204	9
469	Effect of obliquely external magnetic field on the intense laser pulse propagating in plasma medium. 2020 , 34, 2050044	О
468	Generalized patterns from local and non local reactions. 2020 , 134, 109707	2
467	Stable solution of induced modulation instability. 2020 , 10, 10081	2
466	Engineering rogue waves with quintic nonlinearity and nonlinear dispersion effects in a modified Nogochi nonlinear electric transmission network. 2020 , 102, 012203	14
465	Numerical Modeling of Sea Waves. 2020 , 56, 312-323	
464	Transverse dynamics of vector solitons in defocusing nonlocal media. 2020 , 135, 1	1
463	Instability of finite-amplitude gravityDapillary progressive ring waves by an oscillating surface-piercing body. <i>Journal of Fluid Mechanics</i> , 2020 , 887,	
462	Doubly periodic solutions of the focusing nonlinear Schr¶dinger equation: Recurrence, period doubling, and amplification outside the conventional modulation-instability band. 2020 , 101,	24
461	Effects of wave-field nonlinearity on motions of ship advancing in irregular waves using HOS method. 2020 , 199, 106947	1
460	Long-range memory effects in a magnetized Hindmarsh-Rose neural network. 2020 , 84, 105208	6
459	Semiclassical WKB problem for the non-self-adjoint Dirac operator with analytic potential. 2020 , 61, 011510	2
458	Amplitude modulation and soliton formation of an intense laser beam interacting with dense quantum plasma: Symbolic simulation analysis. 2020 , 60, e202000028	18
457	Hyperbolicity of the Modulation Equations for the Serre G reen N aghdi Model. 2020 , 2, 299-326	1
456	Stochastic treatment of the solutions for the resonant nonlinear Schr¶dinger equation with spatio-temporal dispersions and inter-modal using beta distribution. 2020 , 135, 1	20

(2021-2021)

455	Spatial evolution of the kurtosis of steep unidirectional random waves. <i>Journal of Fluid Mechanics</i> , 2021 , 908,	3.7	2
454	Spatiotemporal engineering of matter-wave solitons in Bose E instein condensates. 2021 , 899, 1-62		23
453	Waves that Appear From Nowhere: Complex Rogue Wave Structures and Their Elementary Particles. 2021 , 8,		12
452	A new numerical scheme based on Haar wavelets for the numerical solution of the Chenlleelliu equation. 2021 , 226, 165847		2
451	Higher order effects on constant intensity waves of nonlinear Schr¶dinger equation with PT symmetric potential. 2021 , 226, 165817		О
450	Global Heteroclinic Rebel Dynamics Among Large 2-Clusters in Permutation Equivariant Systems. 2021 , 20, 1277-1319		1
449	Emergence of Raman Peaks Due to Septic Nonlinearity in Noninstantaneous Kerr Media.		
448	Influence of intermittent steam injection into saline water: a study of wave motions in saline water for optimizing similar hydrodynamics in direct contact condensation based milk sterilization process. 1-20		O
447	Modulation instability, rogue waves and conservation laws in higher-order nonlinear Schr¶dinger equation. 2021 , 73, 025001		1
446	Single-shot observation of breathers from noise-induced modulation instability using heterodyne temporal imaging. 2021 , 46, 298-301		1
445	Pattern selection in coupled neurons under high-low frequency electric field. 2021 , 7, e06132		4
444	Dust-acoustic envelope solitons and rogue waves in an electron depleted plasma. 1		3
443	Stability and Dynamical Evolution. 2021 , 51-66		
442	Theory of filter-induced modulation instability in driven passive optical resonators. 2021, 103,		1
441	Quantization of ocean dynamics. 2021 , 45-84		O
440	High-Frequency Instabilities of the Kawahara Equation: A Perturbative Approach. 2021 , 20, 1571-1595		1
439	Multi-Sasa Satsuma rogue events and multi-wave trains generation in a nonlinear left-handed transmission line. 2021 , 136, 1		1
438	Investigation of bright and dark solitons in #Fermi Pasta Ulam lattice. 2021 , 30, 020502		2

437	Soliton trains after interaction quenches in Bose mixtures. 2021 , 23, 023022		2
436	Physics of kinetic AlfvB waves: a gyrokinetic theory approach. 2021 , 5, 1		4
435	Characteristics of rogue waves on a soliton background of the vector Lakshmanan-Porsezian-Daniel equation. 2021 , 44, 5225-5237		3
434	Laser dynamics in nonlinear transparent media with electron plasma generation: effects of electronfiole radiative recombinations. 2021 , 23, 035402		3
433	An extended nonlinear Schr¶dinger equation for water waves with linear shear flow, wind, and dissipation. 2021 , 11, 025326		4
432	WaveBottom interaction and extreme wave statistics due to shoaling and de-shoaling of irregular long-crested wave trains over steep seabed changes. <i>Journal of Fluid Mechanics</i> , 2021 , 912,	3.7	8
431	Stokes light induced modulation instability in high power continuous wave fiber amplifiers. 2021 , 29, 8407-8416		2
430	On the soliton solutions for an intrinsic fractional discrete nonlinear electrical transmission line. 2021 , 104, 691-704		4
429	Quasi-periodic travelling gravitydapillary waves. Journal of Fluid Mechanics, 2021, 915,	3.7	3
428	Long-Time Asymptotics for the Focusing Nonlinear Schr¶dinger Equation with Nonzero Boundary Conditions in the Presence of a Discrete Spectrum. 2021 , 382, 1495-1577		5
427	Nonlinear coupling of upper-hybrid waves with lower-hybrid waves in a degenerate dense plasma. 2021 , 95, 2507		
426	"Extraordinary" modulation instability in optics and hydrodynamics. 2021 , 118,		6
425	Optical soliton to multi-core (coupling with all the neighbors) directional couplers and modulation instability. 2021 , 136, 1		19
424	Modulational instability and soliton generation in chiral Bose-Einstein condensates with zero-energy nonlinearity. 2021 , 103, 032206		4
423	Semiclassical WKB problem for the non-self-adjoint Dirac operator with a decaying potential. 2021 , 62, 033510		1
422	Phase modulated domain walls and dark solitons for surface gravity waves. 2021 , 395, 127227		1
421	Stabilization of Unsteady Nonlinear Waves by Phase-Space Manipulation. 2021 , 126, 174501		2
420	Directional Coherent Wave Group From an Assimilated Non-linear Wavefield. 2021, 9,		1

419	Dynamics of fundamental solitons and rogue waves on the mixed backgrounds. 2021, 136, 1	О
418	Interfacial waves modulated by linear shear flow of the upper layer in a two-layer fluid with arbitrary layer depths. 2021 , 33, 042112	1
417	Spatially Quasi-Periodic Water Waves of Infinite Depth. 2021 , 31, 1	4
416	On the Stabilization of Breather-type Solutions of the Damped Higher Order Nonlinear Schr¶dinger Equation. 9,	2
415	Penrose instabilities and the emergence of rogue waves in SasaBatsuma equation. 2021 , 136,	О
414	Rapid deterministic wave prediction using a sparse array of buoys. 2021 , 228, 108871	3
413	Why rogue waves occur atop abrupt depth transitions. <i>Journal of Fluid Mechanics</i> , 2021 , 919, 3.7	4
412	Modulation instability in helicoidal spin-orbit coupled open Bose-Einstein condensates. 2021 , 103, 052206	1
411	The nonlinear evolution equations of fourth-order for two surface gravity waves including the effect of air flowing over water. 2021 , 1850, 012130	
410	Modulation instability induced supercontinuum generation in liquid core suspended photonic crystal fiber with cubic-quintic nonlinearities. 2021 , 399, 127290	3
409	Whitham modulation theory for generalized Whitham equations and a general criterion for modulational instability. 2021 , 147, 724	2
408	Modulation instability analysis of a nonautonomous ((3+1))-dimensional coupled nonlinear Schr¶dinger equation. 2021 , 104, 4355	2
407	Progression of Wave Breaker Types on a Plane Impermeable Slope, Depending on Experimental Design. 2021 , 126, e2021JC017211	2
406	Dynamics of spatiotemporal modulated damped signals in a nonlinear RLC transmission network. 2021 , 104, 4181	1
405	Gerstner waves and their generalizations in hydrodynamics and geophysics.	
404	Long-Time Asymptotics for the Focusing Hirota Equation with Non-Zero Boundary Conditions at Infinity Via the Deift-Zhou Approach. 2021 , 24, 1	4
403	Modulational instability in optical fibers with randomly kicked normal dispersion. 2021, 103,	О
402	Viscoelastic effects in circular edge waves. <i>Journal of Fluid Mechanics</i> , 2021 , 919, 3.7	Ο

401	Discrete and periodic complex Ginzburg-Landau equation for a hydrodynamic active lattice. 2021 , 103, 062215	0
400	Three dimensional wave group dynamics of ion acoustic waves in electronpositron plasmas in the presence of an external uniform magnetic field. 2021 , 28, 062105	1
399	Exact Solutions to the Nonlinear Schr¶dinger Equation with Time-Dependent Coefficients. 2021 , 2021, 1-17	2
398	Rogue wave solutions of the generalized (3+1)-dimensional Kadomtsev P etviashvili equation. 2021 , 147, 110935	1
397	Solitons in a Box-Shaped Wave Field with Noise: Perturbation Theory and Statistics. 2021 , 126, 234101	1
396	Five-Wave Resonances in Deep Water Gravity Waves: Integrability, Numerical Simulations and Experiments. 2021 , 6, 205	2
395	The influence of finite depth on the evolution of extreme wave statistics in numerical wave tanks. 2021 , 166, 103870	3
394	Parity-time-symmetric rational vector rogue waves of the n-component nonlinear Schr¶dinger equation. 2021 , 31, 063120	8
393	Experimental study on the evolution of mechanically generated waves mixed with space non-uniform wind-driven waves. 2021 , 232, 109129	1
392	Data-driven rogue waves and parameter discovery in the defocusing nonlinear Schr¶dinger equation with a potential using the PINN deep learning. 2021 , 404, 127408	17
392 391		17
	equation with a potential using the PINN deep learning. 2021 , 404, 127408	
391	equation with a potential using the PINN deep learning. 2021, 404, 127408 Laboratory experiments on CO2 gas exchange with wave breaking. 2021, Modelling rogue waves in 1D wave trains with the JONSWAP spectrum, by means of the High Order	2
391 390	equation with a potential using the PINN deep learning. 2021, 404, 127408 Laboratory experiments on CO2 gas exchange with wave breaking. 2021, Modelling rogue waves in 1D wave trains with the JONSWAP spectrum, by means of the High Order Spectral Method and a fully nonlinear numerical model. 2021, 231, 108715	2
391 390 389	equation with a potential using the PINN deep learning. 2021, 404, 127408 Laboratory experiments on CO2 gas exchange with wave breaking. 2021, Modelling rogue waves in 1D wave trains with the JONSWAP spectrum, by means of the High Order Spectral Method and a fully nonlinear numerical model. 2021, 231, 108715 Dissipative models of swell propagation across the Pacific. Optical soliton and weierstrass elliptic function management to parabolic law nonlinear directional	2 2 4
391 390 389 388	equation with a potential using the PINN deep learning. 2021, 404, 127408 Laboratory experiments on CO2 gas exchange with wave breaking. 2021, Modelling rogue waves in 1D wave trains with the JONSWAP spectrum, by means of the High Order Spectral Method and a fully nonlinear numerical model. 2021, 231, 108715 Dissipative models of swell propagation across the Pacific. Optical soliton and weierstrass elliptic function management to parabolic law nonlinear directional couplers and modulation instability spectra. 2021, 53, 1	2 4 3
391 390 389 388 387	Laboratory experiments on CO2 gas exchange with wave breaking. 2021, Modelling rogue waves in 1D wave trains with the JONSWAP spectrum, by means of the High Order Spectral Method and a fully nonlinear numerical model. 2021, 231, 108715 Dissipative models of swell propagation across the Pacific. Optical soliton and weierstrass elliptic function management to parabolic law nonlinear directional couplers and modulation instability spectra. 2021, 53, 1 Energy Content Characterization of Water Waves Using Linear and Nonlinear Spectral Analysis. 1-30 Capillary-gravity solitary waves on water of finite depth interacting with a linear shear current.	2 4 3

A new integrable model of long wave-short wave interaction and linear stability spectra.. 2021, 477, 20210408 o 383 Coherent terahertz-to-microwave link using electro-optic-modulated Turing rolls. 2021, 104, 382 Exact Analytic Spectra of Asymmetric Modulation Instability in Systems with Self-Steepening 381 \circ Effect. 2021, 127, 094102 Multi-component Nonlinear Schrildinger Equations with Nonzero Boundary Conditions: 380 Higher-Order Vector Peregrine Solitons and Asymptotic Estimates. 2021, 31, 1 The Rayleigh-Haring-Tayfun distribution of wave heights in deep water. 2021, 113, 102739 379 1 Introducing envelope soliton solutions for wave Itructure investigations. 2021, 234, 109271 378 On the influence of collinear surface waves on turbulence in smooth-bed open-channel flows. 1 377 3.7 Journal of Fluid Mechanics, 2021, 924, On the variation of bi-periodic waves in the transverse direction. 376 Femtosecond sliding self-pumping and self-cleaning effects in nonlinear dynamics of the 375 5 higher-order induced modulational instability under the strong Raman self-scattering. 2021, 248, 168046 Peregrine Soliton as a Limiting Behavior of the Kuznetsov-Ma and Akhmediev Breathers. 2021, 9, 374 GravityBapillary multi-component wave patterns generated by a single-frequency wave-maker 3.7 O 373 oscillation and subsequent resonances. Journal of Fluid Mechanics, 2021, 926, On the extreme value statistics of spatio-temporal maximum sea waves under cyclone winds. 2021, 372 197, 102642 A computational approach for finding the numerical solution of modified unstable nonlinear O 371 Schradinger equation via Haar wavelets. Computational Fluid Dynamics Simulation of Deep-Water Wave Instabilities Involving Wave 370 Breaking. 2022, 144, 369 Nonlinear Localization of Dissipative Modulation Instability. 2021, 127, 123901 1 Three-dimensional surface gravity waves of a broad bandwidth on deep water. Journal of Fluid 368 3.7 Mechanics, 2021, 926, 367 Transverse Instability of Rogue Waves. 2021, 127, 104101 2 Generation of matter waves in Bose-Bose mixtures with helicoidal spin-orbit coupling. 2021, 104, 366

365	Modulational instability criterion for optical wave propagation in birefringent fiber of Kundu E ckhaus equation. 2021 , 243, 167429	2
364	The robust inverse scattering method for focusing Ablowitz[ladik equation on the non-vanishing background. 2021 , 424, 132954	4
363	Pure-cubic optical solitons by Jacobil elliptic function approach. 2021 , 243, 167404	9
362	Dynamics of recurrent modulational instability near its separatrix in nonlinear fiber optics. 2021 , 29, 104715	O
361	A deep learning improved numerical method for the simulation of rogue waves of nonlinear Schr¶dinger equation. 2021 , 101, 105896	5
360	Universal rogue wave patterns associated with the Yablonskiillorobelv polynomial hierarchy. 2021 , 425, 132958	5
359	Saturation effects on modulational instability in birefringent media with the help of Kundu E kchaus equation. 2021 , 245, 167687	2
358	Origin of dJIIvulphenomenon in the framework of the FermiPastaUlam problem in nonautonomous systems. 2021 , 246, 167772	6
357	Controlling quantum localized structures in a 1D Heisenberg spin chains containing a large number of quanta via the magic angle. 2021 , 107, 102820	0
356	Rational vector rogue waves for the n-component Hirota equation with non-zero backgrounds. 2021 , 427, 133005	3
355	Modulational instability of spin-orbit coupled Bose-Einstein condensates in discrete media. 2021 , 418, 127696	0
354	Induced modulational instability in the sign-reversal dispersion traps: Imperfect Fermi P asta U lam recurrence and partial பூயிvuphenomenon. 2021 , 247, 167859	5
353	Long-term observations of the group structure of surface waves in ice. 2021 , 71, 343-356	1
352	Modulation instability in the nonlinear Schr¶dinger equation with a synthetic magnetic field: Gauge matters. 2021 , 103,	2
351	New soliton solutions of the 2D-chiral nonlinear Schrodinger equation using two integration schemes. 2021 , 44, 5663-5682	6
350	Weakly Nonlinear Wave Packets and the Nonlinear Schr¶dinger Equation. 2005, 29-67	1
349	An introduction to pattern formation in nonequilibrium systems. 1987 , 55-92	6
348	Freak Ocean Waves and Refraction of Gaussian Seas. 2006 , 189-210	1

347	Perturbation Theories for Nonlinear Waves. 2000 , 47-65	11
346	Encyclopedia of Complexity and Systems Science. 2009 , 9967-10005	1
345	Localized Instabilities in the Convection of Nematic Liquid Crystals. 1992 , 264-292	2
344	General Mathematical Description of Pattern-Forming Instabilities. 1996 , 69-90	4
343	On the Dynamics of Steep Gravity Waves in Deep Water. 1978 , 199-220	9
342	Cooperative Effects in Plasmas. 2001 , 1-226	17
341	Phase VS. Defect Turbulence in the 1D Complex Ginzburg-Landau Equation. 1992 , 173-177	3
340	Solitons in Optical Fibres. 1990 , 325-371	1
339	Nonlinear Deep Water Waves: A Physical Testing Ground for Solitons and Recurrence. 1977 , 67-96	2
338	Experimental Studies of Strong Nonlinear Interactions of Deep-Water Gravity Waves. 1986 , 231-253	1
337	Experimental Study of Elementary Processes in Wind-Waves Using Wind over Regular Waves. 1986 , 117-127	1
336	An Experimental Study of the Statistical Properties of Wind-Generated Gravity Waves. 1986 , 129-144	1
335	Laser Doppler Study of the Onset of Turbulent Convection at Low Prandtl Number. 1977, 425-439	O
334	Dissipation of Narrow-Banded Surface Water Waves. 2015 , 163-183	6
333	Numerical Instability of the Akhmediev Breather and a Finite-Gap Model of It. 2018 , 3-23	3
332	Freak Waves Phenomenon: Physical Mechanisms and Modelling. 2006 , 107-172	5
331	Exact Travelling Periodic Water Waves in Two-Dimensional Irrotational Flows. 2016 , 1-82	1
330	Focusing Wave Group Propagating in Finite Depth in the Presence of Surface Current and Vorticity. 2018 , 77-90	O

329	Defining the Enhancement of Air-Water Interfacial Oxygen Exchange Rate due to Wind-Forced Microscale Waves. 2007 , 119-131	3
328	Dynamics of Oscillator Chains. 2007 , 21-121	18
327	Rogue Waves in Waters of Infinite and Finite Depths. 2009 , 91-171	6
326	Bifurcation and Nonlinear Focusing. 1979 , 244-265	5
325	Solitons in Mathematics: Brief History. 1978 , 2-21	3
324	The Soliton and Its History. 1980 , 1-64	8
323	The Inverse Scattering Transform. 1980 , 177-242	28
322	The Stability of some Three-Dimensional and Time-Dependent Flows. 1994 , 382-396	4
321	Instabilities and Transition in Flow Between Concentric Rotating Cylinders. 1981, 139-180	84
320	Chaotically induced defect diffusion. 1996 , 55-62	3
319	Computations of Breaking Waves. 1990 , 475-490	3
318	Freak Wave Kinematics. 1990 , 535-549	25
317	Defects and Disorder of Non-Linear Waves in Convection. 1990 , 279-296	3
316	Nonlinear Evolution Equations, Quasi-Solitons and their Experimental Manifestation. 1990 , 165-221	2
315	Defects and Defect-Mediated Turbulence. 1990 , 7-24	1
314	Mechanics of Ocean Surface Waves. 1990 , 209-246	17
313	Large Scale Instabilities of Cellular Flows. 1987 , 63-88	8
312	Nonlinear Dynamics of Parametric Wave-Mixing Interactions in Optics: Instabilities and Chaos. 1992 , 489-534	2

(2020-1991)

311	Nonequilibrium Potentials in Spatially Extended Pattern Forming Systems. 1991 , 125-142	3
310	Coupled cubic-quintic nonlinear Schr¶dinger equation: novel brightdark rogue waves and dynamics. 2020 , 100, 3733-3743	3
309	OPTICAL SOLITONS. 1989 , 104-146	3
308	Nonlinear Laser Plasma Interaction Theory. 1981 , 319-354	4
307	Nonlinear Wave Concepts Applied to Deep-Water Waves. 1978, 89-126	19
306	NONLINEAR DYNAMICS AND INSTABILITIES OF COUPLED WAVES AND SOLITONS IN OPTICAL FIBERS. 1992 , 185-236	2
305	Modulation instability, rogue waves and spectral analysis for the sixth-order nonlinear Schr¶dinger equation. 2020 , 89, 105284	13
304	The evolution of free and bound waves during dispersive focusing in a numerical and physical flume. 2018 , 132, 95-109	24
303	Liquid Sloshing Dynamics: Theory and Applications. 2005,	424
302	Humpy LNRF-velocity profiles in accretion discs orbiting almost extreme Kerr black holes. 2007 , 463, 807-816	24
301	Nonlinear Dynamics of Coupled Oscillators. 1994 , 19, 691-714	2
300	A three-fluid model for the dissipation of interfacial capillary-gravity waves. 2020 , 32, 122121	6
300 299	A three-fluid model for the dissipation of interfacial capillary-gravity waves. 2020 , 32, 122121 Modulational instability in a one-dimensional spinBrbit coupled BoseBose mixture. 2020 , 53, 245001	3
299	Modulational instability in a one-dimensional spinBrbit coupled BoseBose mixture. 2020 , 53, 245001	3
299 298	Modulational instability in a one-dimensional spinBrbit coupled BoseBose mixture. 2020, 53, 245001 Emergence of breathers in non-linear pulse compression. 2020, 22, 085502	3
299 298 297	Modulational instability in a one-dimensional spinBrbit coupled BoseBose mixture. 2020, 53, 245001 Emergence of breathers in non-linear pulse compression. 2020, 22, 085502 Nonlinear evolution of wave packets in magnetic fluids. 1990, 48, 415-431	3 0

293	Time-reversal of nonlinear waves: Applicability and limitations. 2016, 1,	6
292	Self-similar gravity wave spectra resulting from the modulation of bound waves. 2018, 3,	7
291	Experimental investigation of the Peregrine Breather of gravity waves on finite water depth. 2018 , 3,	7
290	Coexistence of solitons and extreme events in deep water surface waves. 2018, 3,	19
289	Viscous damping of gravity-capillary waves: Dispersion relations and nonlinear corrections. 2018, 3,	2
288	Anomalous wave statistics induced by abrupt depth change. 2019 , 4,	19
287	From modulational instability to focusing dam breaks in water waves. 2020 , 5,	11
286	Emergence of Peregrine solitons in integrable turbulence of deep water gravity waves. 2020 , 5,	7
285	Spatial Akhmediev breathers and modulation instability growth-decay cycles in a quadratic optical medium. 2019 , 1,	10
284	Reconstruction and Analysis of Freak Waves Generated From Unidirectional Random Waves. 2020 , 142,	3
283	Higher Order Solitons in an Electrical Lattice. 2007 , 76, 074602	11
282	On the Stability of a Wavetrain Caused by Interacting Wave Modes. 1995 , 25,	2
281	Optical Beams in Nonlocal Nonlinear Media. 2003 , 103, 133-147	14
280	Modulation Instability of Two-Dimensional Dipolar Bose-Einstein Condensate in a Deep Optical Lattice. 2009 , 116, 519-521	2
279	Laboratory study on the modulation evolution of nonlinear wave trains. 2012 , 2, 189-203	5
278	Chessboard-like spatio-temporal interference patterns and their excitation. 2019 , 36, 1294	16
277	Raman peak shifts due to walk-off in non-instantaneous Kerr media with higher-order effects. 2019 , 36, 3479	О
276	Interplay of three-body and higher-order interactions on the modulational instability of Bose E instein condensate. 2020 , 37, A54	3

275	Control of spatially rotating structures in diffractive Kerr cavities. 2019 , 27, 31273-31289	4
274	Third-order Riemann pulses in optical fibers. 2020 , 28, 39827-39840	2
273	Modulational-instability-free pulse compression in anti-resonant hollow-core photonic crystal fiber. 2020 , 45, 4044-4047	4
272	Coexistence of cavity solitons with different polarization states and different power peaks in all-fiber resonators. 2017 , 42, 2750-2753	21
271	Optical generation and control of spatial Riemann waves. 2019 , 44, 3542-3545	5
270	Variational formulations of steady rotational equatorial waves. 2020 , 10, 534-547	5
269	Study of Sloshing Flow in a Rectangular Tank. 2011 , 35, 617-624	2
268	Stability of oscillatory gravity wave trains with energy dissipation and Benjamin-Feir instability. 2012 , 17, 2329-2341	1
267	咖啡红咖-1999, 54, 3-92	1
266	Dimension-Reduced Model for Deep-Water Waves. 2019 , 07, 72-92	2
265	TimeErequency analysis of the sea state with the Andrea freak wave. 2014 , 14, 3143-3150	7
265 264	Timefrequency analysis of the sea state with the Andrea freak wave. 2014 , 14, 3143-3150 Modeling extreme wave heights from laboratory experiments with the nonlinear Schradinger equation.	_
	Modeling extreme wave heights from laboratory experiments with the nonlinear Schr¶dinger	7
264	Modeling extreme wave heights from laboratory experiments with the nonlinear Schr¶dinger equation. Technical note: Common characteristics of directional spreading teepness joint distribution in	7
264	Modeling extreme wave heights from laboratory experiments with the nonlinear Schr¶dinger equation. Technical note: Common characteristics of directional spreading®teepness joint distribution in freak wave events. 2016, 12, 781-786	7 1
264 263 262	Modeling extreme wave heights from laboratory experiments with the nonlinear Schradinger equation. Technical note: Common characteristics of directional spreading teepness joint distribution in freak wave events. 2016, 12, 781-786 Stability of periodic waves in Hamiltonian PDEs. 2013, 1-22 Longitudinal Modulation of Marangoni Wave Patterns in Thin Film Heated From Below: Instabilities	7 1 1
264 263 262 261	Modeling extreme wave heights from laboratory experiments with the nonlinear Schradinger equation. Technical note: Common characteristics of directional spreading teepness joint distribution in freak wave events. 2016, 12, 781-786 Stability of periodic waves in Hamiltonian PDEs. 2013, 1-22 Longitudinal Modulation of Marangoni Wave Patterns in Thin Film Heated From Below: Instabilities and Control. 2021, 7, Higher-order dispersion and nonlinear effects of optical fibers under septic self-steepening and	7 1 1 3

257	Investigation of modulational instability in a coupled Kundu-Ekchaus equation in the presence of modified form of saturable nonlinearity. 2021 , 248, 168111	1
256	Asymptotic stage of modulation instability for the nonlocal nonlinear Schr¶dinger equation. 2021 , 428, 133060	1
255	Spatio-temporal intermittency in the spatial unfolding of Andronov Bifurcations. 2000, 131-144	
254	Periodic Soliton Resonances. 2003 , 207-260	
253	Periodic Soliton Resonances. 2004 , 277-287	
252	Velocity measurements of modulated waves in deep water. 2004 , 375-381	
251	Studies on the evolution of bichromatic wave trains. 2004 , 1071-1077	
250	Power-dependent walk-off in modulationally unstable nematic liquid crystals. 2005,	
249	Carrier and Riding Wave Structure of Rogue Waves. 2005 , 25-57	
248	A Study of the Appearance Characteristics and Generation Mechanism of Giant Waves. 2006 , 30, 181-187	
247	Wave Data Analysis for Investigation of Freak wave Characteristics. 2007 , 31, 471-478	3
246	Extended Solutions and Modulational Instability. 2009 , 143-152	
245	Encyclopedia of Complexity and Systems Science. 2009 , 8464-8479	О
244	Weakly Nonlinear Water Waves Propagating over Uneven Bottoms. 2009 , 9-35	
243	Bibliography. 535-546	
242	Mathematics of Complexity and Dynamical Systems. 2012 , 1561-1575	
241	Asymptotic Methods and Nonlinear Evolution Equations. 2012 , 623-674	
240	Nonlinear Dispersive Waves and Whitham⊞ Equations. 2012 , 355-379	

239	Mathematics of Complexity and Ɗynamical Systems. 2012 , 1771-1809	
238	Pulse Self-Compression in Femtosecond Filaments. 2012 , 35-77	
237	Imbalance of energy and momentum source terms of the sea wave transfer equation for fully developed seas.	
236	Imbalance of energy and momentum source terms of the sea wave transfer equation for fully developed seas. 2012 , 8, 1085-1098	
235	Modulational instability and rogue waves in finite water depth.	
234	Encyclopedia of Complexity and Systems Science. 2014 , 1-81	
233	Time-frequency analysis of the sea state with the "Andrea" freak wave.	
232	Phase Jumps. 1970 , 263-273	
231	References. 1975 , 177-180	
230	BIBLIOGRAPHY. 1980 , 379-414	
229	Nonlinear Phenomena in a Dispersive System with Applications to Water Waves. 1984 , 443-467	
228	THREE DIMENSIONAL STABILITY AND BIFURCATION OF STEADY WATER WAVES. 1985 , 355-367	
228	THREE DIMENSIONAL STABILITY AND BIFURCATION OF STEADY WATER WAVES. 1985 , 355-367 Solitons and Nonlinear Phenomena in Parametrically Excited Spin Waves. 1986 , 17, 241-300	2
		2
227	Solitons and Nonlinear Phenomena in Parametrically Excited Spin Waves. 1986 , 17, 241-300	2
227	Solitons and Nonlinear Phenomena in Parametrically Excited Spin Waves. 1986 , 17, 241-300 The Instability and Breaking of a Deep-Water Wave Train. 1986 , 255-256	3
227 226 225	Solitons and Nonlinear Phenomena in Parametrically Excited Spin Waves. 1986, 17, 241-300 The Instability and Breaking of a Deep-Water Wave Train. 1986, 255-256 REFERENCES. 1988, 561-609	

221	Defect-Mediated Turbulence in Spatio-Temporal Patterns. 1990 , 137-144	
220	Sideband Instability of Modulated Traveling Wave Convection. 1990 , 327-332	
219	Onset of Chaos in the Generalized Ginzburg-Landau Equation. 1990 , 419-424	
218	Sideband Instability of Waves with Periodic Boundary Conditions. 1990 , 45-50	
217	About Confined States, Noise-Sustained Structures and Slugs. 1990 , 77-83	
216	Defects and Transition to Disorder in Space-Time Patterns of Non-Linear Waves. 1990 , 125-135	1
215	Vibron Solitons: A Semiclassical Approach. 1990 , 47-62	
214	Localized and B linking T raveling Wave Patterns in a Convective Binary Mixture. 1991 , 207-244	2
213	Darboux Transformations for the Zero Curvature Equations and Nonlocal Nonlinear Evolution Equations. 1991 , 49-76	
212	Defects of Nonlinear Waves in the Convection of a Nematic Liquid Crystal. 1991 , 327-340	
211	Defects and Order to Disorder Transition in Non-Equilibrium Structures. 1991 , 69-81	
210	Modulational Polarization Instabilities and Disorder in Birefringent Optical Fibers. 1992 , 269-281	
209	A Mechanism for Wave Deformation and Breaking Intermediated by Resonant Side-Bands. 1992 , 251-256	1
208	On the Eckhaus and the Benjamin-Feir Instabilty in the Vicinity of a Tricritical Point. 1992 , 167-172	
207	Effect of wind and water shear on wave instabilities. 1993 , 133-143	
206	Modulation and Noise in Soliton Pulse Trains. 1993 , 267-273	1
205	Selected Examples of Flow Instabilities. 1993 , 219-246	
204	The Role of Wave Breaking in Air-Sea Interaction. 1993 , 99-117	Ο

203	OPTICAL SOLITONS. 1995 , 133-200	1
202	B. 1997 , 71-167	
201	Waves on Interfaces. 1998 , 1-44	О
200	Generation of High-Repetition-Rate Dark Soliton Trains and Frequency Conversion in Optical Fibers. 1998 , 53-67	
199	1111 999, 120, 222-236	
198	Vector Modulational Instabilities and Soliton Experiments. 1999 , 249-263	
197	Benjamin B eir instability of waves in the presence of current.	
196	Numerical Simulation of Freak Wave Generation in Irregular Wave Train. 2015 , 03, 1044-1050	1
195	Modelling waveBurrent interactions off the east coast of Scotland.	1
194	Solitons: Historical and Physical Introduction. 2017 , 1-20	
193	1111 1 12 017, 191, 275-290	
192	Composite rogue waves and modulation instability for the three-coupled Hirota system in an optical fiber. 2017 , 56, 1	
191	2018 , 196, 404-418	2
190	Modulation instabilities in equilateral three-core optical fibers for isosceles-triangle symmetric continuous waves. 2018 , 67, 054203	
189	Nonlinear Theoretical and Computational Analysis of Fluid Flows. 2019, 223-274	
188	NLS Equations for the System of the Nonlinear Transmission Lines Coupled by Capacitor (C_{2}). 2019 , 157-191	
187	14444441- 14444412019, 74, 27-80	О

185 NON-STATIONARY MODEL OF THE SOLAR CORE. **2020**, 101-104

184	Solitonic model of the condensate. 2021 , 104, 044213	O
183	Electron-Acoustic (Un)Modulated Structures in a Plasma Having (r, q)-Distributed Electrons: Solitons, Super Rogue Waves, and Breathers. 2021 , 13, 2029	4
182	Experiments on uni-directional and nonlinear wave group shoaling. 2021 , 71, 1105	O
181	New coupled rogue waves propagating backward and forward and modulation instability in a composite nonlinear right- and left-handed transmission line. 2021 , 136, 1	0
180	Asymptotic Description of Nonlinear Interaction of Surface and Bulk Waves. 1983, 316-331	
179	Modulational instability induced generation of solitary wave profile of an anisotropic-ferromagnetic nanowire with asymmetric Dzyaloshinskii-Moriya interaction. 2020 , 51, 1720-1720	
178	Peregrine Soliton and Akhmediev Breathers in a Chameleon Electrical Transmission Line. 2020 , 08, 2775-2792	O
177	Study on the generation mechanism of bright and dark solitary waves and rogue wave for a fourth-order dispersive nonlinear Schradinger equation. 2020 , 69, 010502	3
176	Modulational instability in liquid crystals with competing nonlinearities. 2019 , 36, 3159	1
175	Investigation of Nonlinear Wavelce Interaction Using Parameter Study and Numerical Simulation. 2020 , 142,	2
174	Probabilistic assessment of rogue wave occurrence in directional wave fields. 2021 , 71, 1141	1
173	Reviving modulational instability with third-order dispersion. 2021 , 422, 127801	1
172	Modern perspectives on near-equilibrium analysis of Turing systems. 2021 , 379, 20200268	5
171	The linear and nonlinear instability of the Akhmediev breather. 2021 , 34, 8331-8358	4
170	Modulation instability in the presence of slowly varying saturable nonlinearity, dispersion and a PT-symmetric external potential over the length of waveguide.	O
169	Evolution of Interfacial Waves Along an Unsteady Salt Wedge. 1985 ,	
168	Modulational Instability of Some Nonlinear Continuum and Discrete Models. 2004 , 151-156	1

167	Theoretical methods in pattern formation in Physics, Chemistry and Biology. 1988, 45-74	2
166	Modulational instability and two-dimensional dynamical structures. 1991 , 227-233	1
165	Spectral degeneracy and hydrodynamic stability. 1991 , 242-251	
164	Hysteresis and interaction of standing waves with Faraday excitation. 1994 , 115-128	
163	Rapid computations of steep surface waves in three dimensions, and comparisons with experiments. 2006 , 173-204	
162	Generierung und Analyse extremer Seegangsbedingungen. 217-232	
161	On the modelling of huge water waves called rogue waves. 2007 , 113-134	
160	The effects of fourth-order dispersion on modulation instabilities in two-core optical fibers with asymmetric CW state. 2020 , 95, 115502	3
159	Modulation instability and rogue wave spectrum for the generalized nonlinear Schr¶dinger equation. 2020 , 95, 115205	1
158	ON NONLINEAR WATER WAVES. 1983 , 3, 377-386	
157	Soliton gas in integrable dispersive hydrodynamics. 2021 , 2021, 114001	4
156	Semi-rational vector rogon-soliton solutions and asymptotic analysis for any n-component nonlinear Schr¶dinger equation with mixed boundary conditions. 2022 , 133150	1
155	On the groupiness and intermittency of oceanic whitecaps.	0
154	Stochastic modulational instability in the nonlinear Schr¶dinger equation with colored random dispersion. 2022 , 105,	O
153	Solitonic rogue waves dynamics in a nonlinear electrical transmission line with the next nearest neighbor couplings. 2022 ,	0
152	Propagation of instability fronts in modulationally unstable systems.	
151	Rational solutions and rogue waves of the generalized (2+1)-dimensional Kadomtsev P etviashvili equation. 2022 ,	1
150	Infinitely many conservation laws and Darboux-dressing transformation for the three-coupled fourth-order nonlinear Schr¶dinger equations. 2022 , 137, 1	O

149	3D-Modulational Stability of Envelope Soliton in a Quantum ElectronIbn Plasma Generalised Nonlinear Schr dinger Equation. 2022 , 5, 60-73		
148	Evolution of Nonlinear Reduced-Order Solutions for PDEs with Conserved Quantities. 2022, 44, A176-A19	7	0
147	Generalized coupled Fokas Lenells equation: modulation instability, conservation laws, and interaction solutions. 2022 , 107, 2753		2
146	Varying ocean wave statistics emerging from a single energy spectrum in an experimental wave tank. 2022 , 246, 110375		O
145	Ripple Patterns Spontaneously Emerge through Sequential Wrinkling Interference in Polymer Bilayers 2022 , 128, 058001		1
144	Role of higher order dispersion on instability criterion of saturable fiber system with Non-Kerr Nonlinearities. 2022 , 253, 168608		O
143	The Capillary Waves©contribution to Wind-Wave Generation. 2022, 7, 73		
142	The cubic vortical Whitham equation. 2022 , 102883		1
141	Impact of higher-order effects on modulation instability in negative index materials. 2022, 256, 168660		0
140	Dynamics of Complex Singularities of Nonlinear PDEs. 2022 , 227-247		O
139	Investigation of Modulation Instability in a Multiple Quantum Well Nanostructure Under EIT Window. 2022 , 381-392		
138	Damping rate measurements and predictions for gravity waves in an airBilWater system. 2022 , 34, 022113		1
137	Impact of saturation on cross-phase instability in birefringent oppositely directed coupler with higher-order nonlinearities. 1		O
136	Modulational instability in a tapered erbium doped fiber with inhomogeneous broadening. 2022 , 54, 1		O
135	Stability of waves on fluid of infinite depth with constant vorticity. <i>Journal of Fluid Mechanics</i> , 2022 , 936,	7	O
134	High-frequency instabilities of Stokes waves. <i>Journal of Fluid Mechanics</i> , 2022 , 937, 3.	7	1
133	Deep Saturation Nonlinearity of 5G Media and Potential Link to Covid-19.		
132	Non-homogeneous analysis of rogue wave probability evolution over a shoal. <i>Journal of Fluid Mechanics</i> , 2022 , 939,	7	O

131	Review of heavy-nucleus-acoustic nonlinear structures in cold degenerate plasmas. 2022, 6,	1
130	Stability of nonparaxial gap-soliton bullets in waveguide gratings. 2022 , 158, 112034	O
129	Equilibration process of out-of-equilibrium sea-states induced by strong depth variation: Evolution of coastal wave spectrum and representative parameters. 2022 , 174, 104099	О
128	Emergence of Solitons from Irregular Waves in Deep Water. 2021 , 9, 1369	O
127	Modulational instability and rogue waves in one-dimensional nonlinear acoustic metamaterials: case of diatomic model. 2021 , 96, 125274	О
126	Modulational instability of two obliquely interacting waves with different carrier frequencies. 2021 , 33, 127113	O
125	Modulational Instability of Fast Sausage Mode as One of the Possible Mechanisms for Quasiperiodic Pulsations during Solar Flares. 2021 , 923, 131	
124	Periodic Rogue Waves and Perturbation Theory. 2021 , 1-22	
123	Modulation instability analysis of Rossby waves based on (2+1)-dimensional high-order Schrodinger equation.	1
122	The water wave equation. 2022 , 35, 53-81	
122	The water wave equation. 2022, 35, 53-81 Nonlinear wave evolution with data-driven breaking 2022, 13, 2343	0
		0
121	Nonlinear wave evolution with data-driven breaking 2022 , 13, 2343	
121	Nonlinear wave evolution with data-driven breaking 2022, 13, 2343 Information pattern stability in memristive Izhikevich neural networks.	1
121 120 119	Nonlinear wave evolution with data-driven breaking 2022, 13, 2343 Information pattern stability in memristive Izhikevich neural networks. Darboux transformation and solitonic solution to the coupled complex short pulse equation. 2022, 133332 Measuring the rogue wave pattern triggered from Gaussian perturbations by deep learning. 2022,	1
121 120 119 118	Nonlinear wave evolution with data-driven breaking 2022, 13, 2343 Information pattern stability in memristive Izhikevich neural networks. Darboux transformation and solitonic solution to the coupled complex short pulse equation. 2022, 133332 Measuring the rogue wave pattern triggered from Gaussian perturbations by deep learning. 2022, 105, Experimental study of aerodynamic force coefficients for a bridge deck sitting above water waves.	2
121 120 119 118	Nonlinear wave evolution with data-driven breaking 2022, 13, 2343 Information pattern stability in memristive Izhikevich neural networks. Darboux transformation and solitonic solution to the coupled complex short pulse equation. 2022, 133332 Measuring the rogue wave pattern triggered from Gaussian perturbations by deep learning. 2022, 105, Experimental study of aerodynamic force coefficients for a bridge deck sitting above water waves. 2022, 226, 105030 Breather-impurity interactions and modulational instability in a quantum 2D Klein@ordon chain.	1 2 O

113	Semiclassical Wkb Problem for the Non-Self-Adjoint Dirac Operator Withan Analytic Rapidly Oscillating Potential.	
112	On dynamics of elliptic solitons in lossy optical Bers.	О
111	Localized nonlinear waves in a myelinated nerve fiber with self-excitable membrane.	
110	Manipulation of dipole soliton for higher order nonlinear Schr¶dinger equation in the nonuniform management systems. 2022 , 128483	1
109	Exotical solitons for an intrinsic fractional circuit using the sine-cosine method. 2022 , 160, 112253	0
108	Hidden Akhmediev breathers and vector modulation instability in the defocusing regime. 2022 , 438, 133364	
107	Statistics of rogue waves in isotropic wave fields. <i>Journal of Fluid Mechanics</i> , 2022 , 943, 3.7	
106	Breather solitons and rogue waves supported by thermally induced self-trapping in a one-dimensional microcavity system. 2022 , 137,	
105	Modulation instability and rogue waves for the sixth-order nonlinear Schr¶dinger equation with variable coefficients on a periodic background.	
104	Bifurcation structure and stability of steady gravity water waves with constant vorticity. 2022 , 332, 306-332	O
103	Modulation of Weakly Nonlinear Traveling Waves in the Presence of a Damped Large-Scale Mode. 2022 , 64, 681-692	
102	The Fourth-Order Nonlinear Schr¶dinger Equation and Stability Analysis for Stokes Waves on Slowly Varying Topography. 9,	
101	Unusual scenarios in four-wave-mixing instability. 2022 , 105,	
100	Modulation instability induced supercontinuum generation in defective core photonic crystal fiber. 2022 , 54,	
99	Proof of Modulational Instability of Stokes Waves in Deep Water.	0
98	Statistical approach of modulational instability in the class of nonlocal NLS equation involving nonlinear Kerr-like responses with non-locality: Exact and approximated solutions. 2022 , 113, 102997	O
97	Analysis of meteorological and oceanic conditions during freak wave events in the Indian Ocean. 2022 , 259, 111920	
96	Enigmas of modulational instability in the zero-gain spectral region: The paradox of large-scale perturbations and the pronounced effect of the rogue-wave peak power saturation. 2022 , 266, 169588	O

95	Hydroelastic potential flow solver suited for nonlinear wave dynamics in ice-covered waters. 2022 , 259, 111756	О
94	Growth of surface wind-waves in water of finite depth: A laboratory experiment. 2022, 177, 104174	Ο
93	Role of Higher-Order Interactions on the Modulational Instability of Bose-Einstein Condensate Trapped in a Periodic Optical Lattice. 2022 , 61,	
92	Modulation Instability and Non-Degenerate Akhmediev Breathers of Manakov Equations. 2022 , 39, 094201	2
91	Phase Convergence and Crest Enhancement of Modulated Wave Trains. 2022, 7, 275	О
90	Full description of Benjamin-Feir instability of stokes waves in deep water.	Ο
89	The role of septic saturation on the cross-phase instability in two-core birefringent oppositely directed PIM-NIM coupler. 2022 , 450, 128366	Ο
88	Ginzburg[landau models of nonlinear electric transmission networks. 2022 , 982, 1-124	1
87	Comparative analysis between modulation instability in an erbium and non-erbium optical fiber with generalized external potentials. 2022 , 270, 169979	0
86	Numerical study of the effect of current on waves in the Agulhas Current Retroflection. 2022 , 264, 112333	Ο
85	Modulation and Self-Interaction of a Wavetrain. 2020 , 105-140	Ο
84	Periodic Rogue Waves and Perturbation Theory. 2022 , 1-22	Ο
83	Dissipative Kerr solitons in semiconductor ring lasers. 2022 ,	О
82	Management of breather interactions. 2022 , 4,	Ο
81	Experimental Evidence of Nonlinear Focusing in Standing Water Waves. 2022, 129,	0
80	Study on Numerical Simulation and Electromagnetic Scattering of Time-Invariant Freak Waves. 2022 , 2022, 1-12	O
79	Modulational instability and quantum droplets in a two-dimensional Bose-Einstein condensate. 2022 , 106,	1
78	Modulation effect of linear shear flow on interfacial waves in a two-layer fluid with finite layer depths. 2022 , 34, 092105	O

77	Analytic solutions of the long-wave-short-wave resonance system in fluid mechanics.	0
76	Modulation instability effects of the conventional Kerr type nonlinearity on the three-core oppositely directed coupler. 2022 , 270, 169967	O
75	Superharmonic instability of stokes waves.	0
74	Design and analysis of ethanol-infiltrated photonic crystal fiber for wavelength conversion.	O
73	Rogue waves, modulation instability of the (2+1)-dimensional complex modified Korteweg-de Vries equation on the periodic background. 2022 , 103073	0
72	Coupled sn-cn, sn-dn, cn-dn Jacobi elliptic functions and solitons solutions in magneto-optic waveguides having parabolic-nonlocal law of refractive index. 2022 , 271, 170100	O
71	An improved method for calculating the wave run-up on a vertical cylinder based on the velocity stagnation head theory. 2022 , 266, 112915	О
7º	Role of self-steepening and intra-pulse Raman scattering on modulation instability in three-core oppositely directed coupler. 2022 , 271, 170094	O
69	Water Waves and the Korteweg-de Vries Equation. 2009 , 313-363	0
68	Solitons: Historical and Physical Introduction. 2022 , 237-255	
	Solitoris. Historical and Physical Introduction. 2022, 237-233	Ο
67	Nonlinear Water Waves and Nonlinear Evolution Equations with Applications. 2022 , 1-45	0
67	Nonlinear Water Waves and Nonlinear Evolution Equations with Applications. 2022 , 1-45	0
6 7	Nonlinear Water Waves and Nonlinear Evolution Equations with Applications. 2022, 1-45 References. 2022, 545-550 Modulational instability in nonlinear saturable media with competing nonlocal nonlinearity. 2022,	0
67 66 65	Nonlinear Water Waves and Nonlinear Evolution Equations with Applications. 2022, 1-45 References. 2022, 545-550 Modulational instability in nonlinear saturable media with competing nonlocal nonlinearity. 2022, 106, Optical Pattern Formation in a Rydberg-Dressed Atomic Gas with Non-Hermitian Potentials. 2022,	0 0
67 66 65 64	Nonlinear Water Waves and Nonlinear Evolution Equations with Applications. 2022, 1-45 References. 2022, 545-550 Modulational instability in nonlinear saturable media with competing nonlocal nonlinearity. 2022, 106, Optical Pattern Formation in a Rydberg-Dressed Atomic Gas with Non-Hermitian Potentials. 2022, 9, 856 Rational solutions of an extended (2+1)-dimensional Camassa-Holm- Kadomtsev-Petviashvili	0 0
67 66 65 64 63	Nonlinear Water Waves and Nonlinear Evolution Equations with Applications. 2022, 1-45 References. 2022, 545-550 Modulational instability in nonlinear saturable media with competing nonlocal nonlinearity. 2022, 106, Optical Pattern Formation in a Rydberg-Dressed Atomic Gas with Non-Hermitian Potentials. 2022, 9, 856 Rational solutions of an extended (2+1)-dimensional Camassa-Holm- Kadomtsev-Petviashvili equation in liquid drop. 2023, 8, 3163-3184	0 0 0

59	Data-driven, high resolution ocean wave forecasting and extreme wave predictions. 2023, 268, 113271	O
58	Periodic Rogue Waves and Perturbation Theory. 2022 , 565-584	O
57	Modulation instabilityfogue wave correspondence hidden in integrable systems. 2022 , 5,	O
56	Saturation of rogue wave amplification over steep shoals. 2022 , 106,	O
55	Space-time statistics of extreme ocean waves in crossing sea states. 9,	O
54	Complex spatiotemporal oscillations emerge from transverse instabilities in large-scale brain networks.	O
53	The role of Lagrangian drift in the geometry, kinematics and dynamics of surface waves. 2023, 954,	1
52	Fourth-order stability analysis for capillary-gravity waves on finite-depth currents with constant vorticity.	1
51	Numerical investigation on nonlinear evolution behavior and water particle velocity of wave crests for narrow-band wave field with Gaussian spectrum. 2023 , 268, 113518	O
50	Statistics of weakly nonlinear waves on currents with strong vertical shear. 2023, 8,	O
49	Whitham shocks and resonant dispersive shock waves governed by the higher order Kortewegde Vries equation. 2023 , 479,	0
48	First and second order rogue waves dynamics in a nonlinear electrical transmission line with the next nearest neighbor couplings. 2023 , 167, 113087	1
47	Chirped modulated wave excitations in an electrical model of microtubules. 2023, 167, 113094	O
46	The occurrence probability prediction model of 2D and 3D freak waves generated by wave superposition. 2023 , 270, 113640	O
45	Canonical conformal variables based method for stability of Stokes waves.	0
44	Quasi discreteness analysis of a two dimensional ferromagnetic spin system. 2022,	O
43	Phase Resolved Simulation of the LandauAlber Stability Bifurcation. 2023, 8, 13	O
42	The modulation instability of shallow wake flows based on the higher-order generalized cubic-quintic complex Ginzburg[landau equation. 2023, 35, 026603	O

41	Higher-order mixed solution and breather solution on a periodic background for the Kundu equation. 2023 , 119, 107134	0
40	The Modulational Instability Laser. 1989,	O
39	Induced nonlinear modulational instability in high birefringence fibers: a quantitative study. 1993,	0
38	Modulational instability induced by quadratic nonlinearities. 1995 ,	O
37	A review on the progress and research directions of ocean engineering. 2023, 272, 113617	0
36	Emergent soliton-like solutions in the parametrically driven 1-D nonlinear Schr¶dinger equation. 2023 , 98, 045228	O
35	ImpurityImpurity and impurityBreather interactions combined with energy localization in a quantum 1D KleinCordon chain. 2023 , 168, 113208	0
34	Coupled effects of wave and depth-dependent current interaction on loads on a bottom-fixed vertical slender cylinder. 2023 , 104304	O
33	Complex spatiotemporal oscillations emerge from transverse instabilities in large-scale brain networks. 2023 , 19, e1010781	0
32	Spatially quasi-periodic bifurcations from periodic traveling water waves and a method for detecting bifurcations using signed singular values. 2023 , 478, 111954	O
31	Stabilized enhancement for large time computation using exponential spectral process method. 2023 , 482, 112058	O
3 0	Rogue waves and solitons of the generalized modified nonlinear Schr¶dinger equations. 2023 , 208, 535-549	O
29	Modulation instability solitons in oppositely double-doped directed couplers with two negative refractive index material channel and non-Kerr nonlinearity. 2023 , 278, 170712	O
28	Semiclassical WKB problem for the non-self-adjoint Dirac operator with an analytic rapidly oscillating potential. 2023 , 360, 90-150	O
27	A high-order asymptotic analysis of the BenjaminHeir instability spectrum in arbitrary depth. 2023 , 956,	O
26	Modulational instability in transversely connected nonlinear pendulum pairs. 2023, 138,	O
25	Impact of helicoidal interactions and weak damping on the breathing modes of Joyeux-Buyukdagli model of DNA.	O
24	Experimental generation and investigation of Peregrine breather waves in deep water. 1-10	O

23	Stability analysis from higher order nonlinear Schr¶dinger equation for interfacial capillary-gravity waves.	O
22	Modulational instability in large-amplitude linear laser wakefields. 2023 , 107,	O
21	Emission of Rogue Wave Signals in Nonlinear Electrical Transmission Networks. 2022, 109-161	O
20	Dynamics of One-Dimensional Condensates with Time Modulation of the Scattering Length and Trapping Potential. 2022 , 223-288	O
19	Emission of Nonlinear Modulated Waves in Multi-coupled Nonlinear Transmission Networks. 2022 , 163-212	O
18	Nonlinear Schr¶dinger Models for Solitons Propagation in 1D Lossless Nonlinear Transmission Networks (NLTNs). 2022 , 7-46	O
17	Transmission of Dissipative Solitonlike Signals Through One-Dimensional Transmission Networks. 2022 , 47-107	O
16	Modulated blood waves in the coupled complex Ginzburg Dandau equations of Jeffrey fluids in arteries. 2023 , 138,	O
15	The nonlinear BenjaminHeir instability [Hamiltonian dynamics, discrete breathers and steady solutions. 2023 , 958,	O
14	Nonlocal cubic and quintic nonlinear wave patterns in pure-quartic media. 2023 , 25, 054001	O
13	A MODIFICATION TO THE SCHR D INGER EQUATION FOR BROADER BANDWIDTH GRAVITY-CAPILLARY WAVES ON DEEP WATER WITH DEPTH-UNIFORM CURRENT. 2022 , 64, 292-313	O
12	Soliton dynamics in optical fiber based on nonlinear Schr¶dinger equation. 2023 , 9, e14235	O
11	Modulational instability in lossless left-handed metamaterials in nonlinear Schr¶dinger equation with non-integer dimensional space. 2023 , 37,	O
10	Experimental study on the interactions between wave groups in double-wave-group focusing. 2023 , 35, 037118	O
9	Spectral stability and dynamics of solitary waves in a coupled nonlinear left-handed transmission line. 2023 , 138,	0
8	Numerical Study on Collisions of Solitons of Surface Waves in Finite Water Depth. 2023 , 8, 125	O
7	Transverse Dynamics of Two-Dimensional Traveling Periodic GravityLapillary Water Waves.	0
6	On coupled envelope evolution equations in the Hamiltonian theory of nonlinear surface gravity waves. 2023 , 960,	O

5	Experimental study of extreme waves based on nonlinear Schr¶dinger equation under background of a random sea. 2023 , 35, 047118	О
4	Six wave interaction equations in finite-depth gravity waves with surface tension. 2023, 961,	O
3	Response spectra for transient pore-pressure in a sandy seabed under random waves: Frequency-filtering effect. 2023 , 279, 114490	O
2	Chirped nonlinear waves in the cubic-quintic distributed nonlinear Schr¶dinger equation with external trap, self-steepening and self-frequency shift. 2023 , 128836	О
1	Modulation instability in nonlinear flexible mechanical metamaterials. 2023, 107,	0