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Transmission of stationary nonlinear optical pulses in dispersive dielectric fibers. I. Anomalous dispersion

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2295	Spatiotemporal Bessel beams: theory and experiments. 2009 , 17, 18148		
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2293	Soliton mediated optical quantization in the transmission of one-dimensional photonic crystals. 2010 , 18, 12708		
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2291	Spatiotemporal Bessel beams: theory and experiments. 2009 , 17, 18148		
2290	Initial conditions for dark soliton generation in normal-dispersion fiber lasers. 2015 , 54, 71		
2289	Transmission of stationary nonlinear optical pulses in dispersive dielectric fibers. II. Normal dispersion. <i>Applied Physics Letters</i> , 1973 , 23, 171-172	3.4	719
2288	The soliton: A new concept in applied science. 1973 , 61, 1443-1483		1291
2287	Generation and applications of passively mode-locked picosecond light pulses. 1974 , 6, 1-24		63
2286	Nonlinear Wave Modulation in Inhomogeneous Media. 1974 , 37, 1668-1672		8
2285	Nonlinear Capillary Waves on the Surface of Liquid Column. 1974 , 37, 529-538		61
2284	Self-focusing: Theory. 1975 , 4, 35-110		799
2283	Dynamics of an ensemble of plane waves in nonlinear dispersive media. 1975 , 18, 77		70
2282	TM waves in nonlinear self-focusing media. 1975 , 10, 833-838		8
2281	Damped nonlinear Schrödinger equation. 1976 , 19, 1621		71
2280	Nonlinear Modulation of Stationary Water Waves. 1976 , 41, 1792-1799		1
2279	Soliton in the damped nonlinear Schrödinger equation. 1977 , 20, 1735		36

2278	Nonlinear Interaction of Dispersive Waves with Equal Group Velocity. 1977 , 43, 243-249	36
2277	Nonlinear Modulation of Spatial Waves in a Steady Plasma Flow. 1977 , 42, 694-699	1
2276	The parabolic approximation method. 1977 , 224-287	291
2275	Ray theoretic analysis of spatial and temporal self-focusing in general weakly nonlinear media. 1977 , 16, 1673-1677	10
2274	Solitons under perturbations. 1977 , 16, 777-790	192
2273	Solitons and energy transfer along protein molecules. 1977 , 66, 379-87	219
2272	Solitons. Theory and application. 1977 , 7, 429-469	21
2271	Propagation of nonlinear waves on an electron-charged surface of liquid helium. 1978 , 17, 3567-3575	21
2270	Nonlinear pulse propagation in optical fibers. 1978 , 3, 202-4	18
2269	New Exact Solutions of the Classical Sine-Gordon Equation in 2 + 1 and 3 + 1 Dimensions. 1978 , 41, 435-438	70
2268	Solitonlike solutions of the elliptic sine-cosine equation by means of harmonic functions. 1978 , 19, 960-966	10
2267	Nonlinear Properties of Optical Fibers. 1979 , 125-150	39
2266	Solitons in Radiophysics. 1979 , 20, 357-363	11
2265	On the applicability of the variation of action method to some one-field solitons. 1979 , 20, 1838-1841	14
2264	Self-action of light beams in nonlinear media: soliton solutions. 1979 , 11, 471-478	140
2263	Theory of nonlinear pulse propagation in inhomogeneous waveguides. 1979 , 4, 164-6	7
2262	Self-distortion of a whistler pulse in a plasma. 1979 , 14, 135-139	4
2261	Computer experiments in soliton theory. 1980 , 21, 1-49	23

2260	Experimental Observation of Picosecond Pulse Narrowing and Solitons in Optical Fibers. 1980 , 45, 1095-1098	1585
2259	Tunable coherent IR and FIR sources utilizing modulational instability. 1980 , 16, 694-697	234
2258	Nonlinearity in fiber transmission. 1980 , 68, 1232-1236	189
2257	Self-confinement of multimode optical pulse in a glass fiber. 1980 , 5, 416-7	108
2256	Role of intensity fluctuations in nonlinear pulse propagation. 1980 , 5, 467-8	4
2255	Theory of nonlinear pulse propagation in optical waveguides. 1980 , 70, 539	30
2254	Coupled-mode theory approach to nonlinear pulse propagation in optical fibers. 1981 , 6, 61-3	30
2253	Soliton propagation in multimode optical fibers. 1981 , 6, 329-30	70
2252	Nonlinear Picosecond-Pulse Propagation through Optical Fibers with Positive Group Velocity Dispersion. 1981 , 47, 910-913	255
2251	Theory of continuous-wave beam propagation in nonlinear optical waveguides. 1981 , 71, 656	7
2250	An analysis of solitons in surface acoustic wave devices. 1982 , 53, 5682-5688	23
2249	References. 1982 , 302-321	
2248	Amplification and reshaping of optical solitons in a glass fiber-I. 1982 , 7, 285-7	81
2247	Amplification and reshaping of optical solitons in glass fiber-II. 1982 , 7, 339-41	83
2246	Optical pulse compression based on enhanced frequency chirping. <i>Applied Physics Letters</i> , 1982 , 41, 1-3	3.4 265
2245	Self-phase modulation and modal noise in optical fibers. 1982 , 72, 1553	5
2244	Effect of polarization on spectral broadening in optical fibers. 1982 , 72, 1592	41
2243	High bit rate communication systems using non-linear effects. 1982 , 42, 403-406	43

2242	Nonlinear asymmetric self-phase modulation and self-steepening of pulses in long optical waveguides. 1983 , 27, 1393-1398	345
2241	Solitonen in Wellenleitern mit nichtlinearer optischer Beschichtung. 1983 , 495, 34-38	1
2240	Generation of chirped pulses in optical fibers suitable for an effective pulse compression. 1983 , 47, 343-346	41
2239	Nonlinear limits on bandwidth at the minimum dispersion in optical fibres. 1983 , 48, 181-184	52
2238	Soliton analysis with the propagating beam method. 1983 , 47, 101-106	57
2237	Large nonlinear pulse broadening in long lengths of monomode fibre. 1983 , 48, 292-294	37
2236	Variational approach to nonlinear pulse propagation in optical fibers. 1983 , 27, 3135-3145	752
2235	Liquid-core optical fibre for voltage measurement using Kerr effect. 1983 , 19, 133	8
2234	Observation of pulse restoration at the soliton period in optical fibers. 1983 , 8, 186-8	109
2233	Interaction forces among solitons in optical fibers. 1983 , 8, 596-8	495
2232	Optical phase conjugation for time-domain undoing of dispersive self-phase-modulation effects. 1983 , 8, 611-3	73
2231	Amplification and reshaping of optical solitons in a glass fiber-IV: Use of the stimulated Raman process. 1983 , 8, 650-2	125
2230	Solitons in optical communications. 1983 , 19, 1883-1888	90
2229	Global and Local Chaos in the Pumped Nonlinear Schrödinger Equation. 1984 , 52, 526-529	42
2228	Electrical Transmission Lines as Models for Soliton Propagation in Materials: Elementary Aspects of Video Solitons. 1984 , 63, 901-919	13
2227	Formation and stability of vee simultons. 1984 , 49, 219-223	9
2226	Stimulated scattering, line broadening and pulse narrowing in optical fibres. 1984 , 34, 1205-1215	
2225	Nonlinear wave propagation in optical fibres. 1984 , 41, 333-343	5

2224	Lasers - Their development and applications at AT&T Bell Laboratories. 1984 , 20, 561-576	6
2223	Numerical study of optical soliton transmission amplified periodically by the stimulated Raman process. 1984 , 23, 3302	114
2222	Optical resonator with negative dispersion. 1984 , 9, 153-5	58
2221	Exact radial dependence of the field in a nonlinear dispersive dielectric fiber: bright pulse solutions. 1984 , 9, 229-31	20
2220	Generation of a train of soliton pulses by induced modulational instability in optical fibers. 1984 , 9, 288-90	320
2219	Dark solitary waves in optical fibers. 1984 , 9, 408-10	8
2218	Compression of optical pulses chirped by self-phase modulation in fibers. 1984 , 1, 139	458
2217	Solitons in Nonlinear Atomic Chains. 1985 , 103, 397-437	5
2216	Nonlinear pulse propagation in optical fibres: a variational approach. 1985 , 132, 122	3
2215	Optical solitons in a monomode fiber. 1985 , 39, 597-614	344
2214	Multiple dark soliton solutions of the nonlinear Schrödinger equation. 1985 , 107, 55-58	104
2213	The discrete self-trapping equation. 1985 , 16, 318-338	530
2212	The asymptotic dispersion of soliton pulses in lossy fibres. 1985 , 52, 367-370	37
2211	The accuracy of band-structure calculations based on the split-step fast Fourier transform method. 1985 , 18, 4303-4314	10
2210	Bistable solitons. 1985 , 55, 1291-1294	140
2209	Solitons and Weakly Nonlinear Waves in Plasmas. 1985 , 13, 53-86	64
2208	Amplification of picosecond 10 μm pulses in multiatmosphere CO ₂ lasers. 1985 , 21, 216-232	101
2207	Theory of the soliton laser. 1985 , 21, 1172-1188	72

2206	Multistable self-trapping of light and multistable soliton pulse propagation. 1985 , 21, 1538-1543	63
2205	Two-dimensional transverse solitary waves as asymptotic states of the field in a bistable optical resonator. 1985 , 21, 1393-1398	17
2204	Solitons in optical fibres and the soliton laser. 1985 , 315, 437-450	67
2203	Transmission capability of an optical fiber communication system using index nonlinearity. 1985 , 24, 358	29
2202	Evolution of chirped pulses in nonlinear single-mode fibers. 1985 , 10, 34-6	50
2201	Compression of picosecond pulses from a solid-state laser using self-phase modulation in graded-index fibers. 1985 , 10, 176-8	36
2200	Experimental demonstration of soliton propagation in long fibers: loss compensated by Raman gain. 1985 , 10, 229-31	142
2199	Amplification and reshaping of solitons in optical fibers with suppression of dispersive waves. 1985 , 10, 451-3	8
2198	Analytic and numerical study of pulse broadening in nonlinear dispersive optical fibers. 1986 , 3, 205	79
2197	Split-step-type angular plane-wave spectrum method for the study of self-refractive effects in nonlinear wave propagation. 1986 , 3, 885	17
2196	Modulational instability of short pulses in long optical fibers. 1986 , 11, 171	86
2195	Effect of chirping on solution propagation in single-mode optical fibers. 1986 , 11, 248	64
2194	Numerical evidence for nonstationary, nonlinear, slab-guided waves. 1986 , 11, 315	59
2193	Effect of fifth-order nonlinearity in refractive index on Gaussian pulse propagation in lossy optical fibers. 1986 , 11, 321	35
2192	Random walk of coherently amplified solitons in optical fiber transmission. 1986 , 11, 665-7	695
2191	1100 μ m optical fiber pulse compression using grating pair and soliton effect at 1.319 μ m. <i>Applied Physics Letters</i> , 1986 , 48, 1033-1035	3-4 46
2190	Soliton propagation in long fibers with periodically compensated loss. 1986 , 22, 157-173	255
2189	Optical frequency intermodulation between two picosecond laser pulses. 1986 , 22, 192-194	7

2188	Stability and compression of pulses in the soliton laser. 1986 , 22, 1109-1116	21
2187	Blow-up in Nonlinear Schroedinger Equations-I A General Review. 1986 , 33, 481-497	389
2186	Quasiparticle description of wave propagation and reflection in inhomogeneous media. 1986 , 34, 613-625	
2185	Observation of modulational instability in optical fibers. 1986 , 56, 135-138	578
2184	Periodic solutions generated by bklund transformations. 1986 , 21, 155-162	5
2183	A numerical model of the soliton laser. 1986 , 23, 362-368	1
2182	Nonlinear propagation in a single-mode optical fiber in case of small group velocity dispersion. 1986 , 60, 18-22	22
2181	The evolution of solitons from non-transform limited pulses. 1986 , 58, 349-354	52
2180	Possibility of nonlinear compensation of dispersive broadening of noise pulses. 1986 , 29, 404-408	
2179	Fibre-grating pair pulse compression at 1.32m. 1986 , 18, 423-426	11
2178	Soliton beam propagation; space-time behaviour and spectral features. 1986 , 17, 139-145	14
2177	Lasers and fiber optics. 1986 , 29, 166-178	7
2176	Nonlinear pulse distortion in single-mode optical fibers at the zero-dispersion wavelength. 1986 , 33, 1765-1776	115
2175	Evolution of solitons from chirped and noisy pulses in single-mode fibres. 1987 , 134, 127	1
2174	Reducing soliton interaction in single-mode optical fibres. 1987 , 134, 145	8
2173	Femtosecond single-pass cascade Raman soliton generation at 1.5 m. 1987 , 23, 1034	9
2172	Soliton propagation in the presence of source chirping and mutual interaction in single-mode optical fibres. 1987 , 23, 260	11
2171	Crystal x-ray accelerator. 1987 , 59, 1440-1443	38

2170	Bistable-soliton pulse propagation: Stability aspects. 1987 , 36, 1270-1279	68
2169	Squeezed-light generation in a medium governed by the nonlinear Schrödinger equation. 1987 , 35, 3974-3977	54
2168	Soliton laser: A computational two-cavity model. 1987 , 35, 4167-4174	18
2167	Generating and detecting short-duration pulses of squeezed light. 1987 , 35, 3586-3589	62
2166	Self-amplitude-modulation of optical pulses in nonlinear dispersive fibers. 1987 , 36, 3862-3867	48
2165	"Robust" bistable solitons of the highly nonlinear Schrödinger equation. 1987 , 35, 466-469	64
2164	Generation of optical solitons in the wavelength region 1.37-1.49 μm . <i>Applied Physics Letters</i> , 1987 , 50, 1027-1029	3-4 59
2163	Compensation of soliton broadening in nonlinear optical fibers with loss. 1987 , 12, 54-6	161
2162	Optical switching between bistable soliton states of the highly nonlinear Schrödinger equation. 1987 , 12, 108-10	26
2161	Polarization instabilities for solitons in birefringent fibers. 1987 , 12, 202-4	194
2160	Soliton interaction in the presence of loss and periodic amplification in optical fibers. 1987 , 12, 349-51	35
2159	Transverse-magnetic-polarized nonlinear modes guided by a symmetric five-layer dielectric structure. 1987 , 12, 352-4	15
2158	Generation of 33-fsec pulses at 1.32 microm through a high-order soliton effect in a single-mode optical fiber. 1987 , 12, 395-7	41
2157	Generation of programmable, picosecond-resolution shaped laser pulses by fiber-grating pulse compression. 1987 , 12, 398-400	20
2156	Soliton propagation along optical fibers. 1987 , 12, 516-8	82
2155	Stability of solitons in birefringent optical fibers. I: equal propagation amplitudes. 1987 , 12, 614-6	299
2154	Soliton at the zero-group-dispersion wavelength of a single-mode fiber. 1987 , 12, 628-30	154
2153	Operator methods in optics: paraxial propagation in inhomogeneous media, an exact treatment. 1987 , 12, 763	1

2152	Modulation instability in an extended nonlinear Schrödinger equation. 1987 , 12, 921-3	126
2151	Soliton processing element for all-optical switching and logic. 1987 , 4, 1843	83
2150	Ultrashort pulse propagation, pulse breakup, and fundamental soliton formation in a single-mode optical fiber. 1987 , 23, 1938-1946	195
2149	Nonlinear pulse propagation in birefringent optical fibers. 1987 , 23, 174-176	398
2148	Nonlinear pulse propagation in a monomode dielectric guide. 1987 , 23, 510-524	638
2147	High-order soliton pulse compression and splitting at 1.32 μm in a single-mode optical fiber. 1987 , 23, 1193-1198	12
2146	Nonlinear self-guiding and switching in an all-fiber device. 1987 , 23, 1108-1112	8
2145	Bistable solitons and optical switching. 1987 , 23, 1199-1204	29
2144	Modulation instability induced by cross-phase modulation. 1987 , 59, 880-883	368
2143	Fibre nonlinearities in optical communications. 1987 , 19, 1-17	40
2142	Optical solitons through an anharmonic vibrational mode. 1987 , 25, 1491-1496	
2141	Description of Pulse Propagation in Optical Strip Waveguides by the Generalized Nonlinear Schrödinger Equation. 1987 , 499, 120-126	
2140	Split-step spectral method for nonlinear Schrödinger equation with absorbing boundaries. 1987 , 72, 501-503	36
2139	Picosecond steps and dark pulses through nonlinear single mode fibers. 1987 , 62, 374-379	275
2138	A femtosecond all-fibre compressor. 1987 , 64, 163-166	1
2137	Spectral super-broadening of ultra-short pulses in a nonlinear kerr medium; Effect of relaxation. 1987 , 61, 291-295	15
2136	Theory of modulational instability in optical fibers. 1987 , 62, 247-249	6
2135	Experimental study of the evolution of chirped soliton pulses in single mode optical fibres. 1987 , 64, 383-386	14

2134	Ultrashort pulse generation and measurement techniques. 1987 , 37, 163-184	
2133	Soliton Raman fibre-ring oscillators. 1988 , 20, 165-174	5
2132	Optical fibre-grating pulse compression. 1988 , 20, 343-355	18
2131	Nonlinear Phenomena in Single-Mode Optical Fibers. 1988 , 150, 851-862	6
2130	Dynamics of solitons under random perturbations. 1988 , 157, 63-181	68
2129	Theory of particle transfer dynamics in solvated molecular complexes: analytic solutions of the discrete time-dependent nonlinear Schrödinger equation. I. Conservative system. 1988 , 123, 267-276	24
2128	Black and white vector solitons in weakly birefringent optical fibers. 1988 , 132, 451-452	93
2127	Soliton propagation in optical fibers with random perturbations. 1988 , 68, 21-24	3
2126	Nonlinear propagation in optical fibers in high-dispersion regime. 1988 , 65, 387-390	6
2125	Propagation of nonlinear incoherent pulses in single-mode optical fibers. 1988 , 68, 385-390	10
2124	Temporal and spectral evolution of femtosecond solitons in the region of the zero group velocity dispersion of a single mode optical fibre. 1988 , 69, 173-176	7
2123	Stable self-trapping of laser beams: Observation in a nonlinear planar waveguide. 1988 , 65, 193-198	134
2122	Quasi-steady state self-trapping of first, second and third order subnanosecond soliton beams. 1988 , 66, 325-328	60
2121	Bistable solitons of highly-nonlinear Schrödinger equations in nonlinear optics. 1988 , 11, 106-111	1
2120	Bistable solitons: Optical switching and large amplification behaviour. 1988 , 11, 112-117	3
2119	Dark-pulse propagation in optical fibers. 1988 , 60, 29-32	242
2118	Optical nonlinearities with ultrashort pulses. 1988 , 35-112	3
2117	Compression des impulsions lumineuses par automodulation de phase dans un guide unimodal. 1988 , 43, 142-147	

2116	Nonlinear-optical loop mirror. 1988 , 13, 56-8	716
2115	Simultaneous formation of solitons and dispersive waves in a femtosecond ring dye laser. 1988 , 13, 129	51
2114	Solitons in the region of the minimum group-velocity dispersion of single-mode optical fibers. 1988 , 13, 770-2	37
2113	Optical solitary waves induced by cross-phase modulation. 1988 , 13, 871-3	166
2112	EXPERIMENTAL OBSERVATION OF THE FUNDAMENTAL DARK OPTICAL SOLITON. 1988 , 14, 34	
2111	SOLITON TRANSMISSION OVER MANY THOUSANDS OF KILOMETERS IN LOSS COMPENSATED FIBER. 1988 , 14, 35	
2110	Bistability and other effects in a nonlinear fiber-optic ring resonator. 1988 , 5, 347	21
2109	Generation and stabilization of short soliton pulses in the amplified nonlinear Schrödinger equation. 1988 , 5, 381	91
2108	Stability of solitons in birefringent optical fibers II Arbitrary amplitudes. 1988 , 5, 392	305
2107	Solitons on an axially nonuniform optical fiber. 1988 , 5, 709	87
2106	Soliton reconstruction through synchronous amplification. 1988 , 5, 799	12
2105	Simulation of two-dimensional nonlinear envelope pulse dynamics by a two-step spatiotemporal angular spectrum method. 1988 , 5, 1900	3
2104	Pulses of Four Optical Cycles from an Optimized Optical Fibre/Grating Pair/Soliton Pulse Compressor at 1.32 μm . 1988 , 35, 7-10	33
2103	. 1988 , 6, 611-619	7
2102	. 1988 , 24, 332-340	67
2101	. 1988 , 24, 373-381	25
2100	. 1988 , 24, 1567-1570	11
2099	. 1988 , 24, 2059-2062	10

2098	Nonlinear phenomena in optical fibers. 1988 , 26, 36-44	11
2097	Parabolic Wave Equation Approximations in Heterogenous Media. 1988 , 48, 99-128	60
2096	Experimental observation of the fundamental dark soliton in optical fibers. 1988 , 61, 2445-2448	285
2095	An analysis of the coefficients of a perturbed nonlinear Schrödinger equation for femtosecond behavior in an optical waveguide. 1988 , 63, 5186-5188	7
2094	Pulse-spread minimization in single-mode optical fibers. 1988 , 38, 5140-5148	10
2093	Session: plasma waves and instabilities. 1988 ,	
2092	Hamiltonian description of nonlinear propagation in optical fibers. 1988 , 38, 4036-4042	19
2091	Modulational instability oscillation in nonlinear dispersive ring cavity. 1988 , 38, 5193-5196	62
2090	Approximate analytical approaches to nonlinear pulse propagation in optical fibers: A comparison. 1988 , 38, 1618-1620	46
2089	Nonlinear self-modulation: An exactly solvable model. 1988 , 37, 815-839	105
2088	Useful and detrimental aspects of self-phase modulation in fiber optical applications. 1988 , 7, 205-215	5
2087	The soliton number of optical soliton bound states for two special families of input pulses. 1988 , 21, 561-566	17
2086	Generation of ultrashort optical pulses. 1988 , 5-34	6
2085	Femtosecond Pulse Generation Through Soliton-Raman Processes. 1988 , T23, 194-199	
2084	Propagation of Subpicosecond Pulses and Soliton Formation in an Optical Fiber. 1988 , T23, 200-205	2
2083	Real lattices modelled by the nonlinear Schrödinger equation and its generalizations. 1989 , 261-270	
2082	Generation of 2 THz repetition rate pulse trains through induced modulational instability. 1989 , 25, 1246	54
2081	Solitary-wave decay and symmetry-breaking instabilities in two-mode fibers. 1989 , 40, 4455-4466	126

2080	Coupled nonlinear Schrödinger equations arising in the study of monomode step-index optical fibers. 1989 , 30, 930-936	27
2079	Linear and nonlinear optical fibre devices. 1989 , 22, 1791-1805	8
2078	16 Gbit/s, 70 km pulse transmission by simultaneous dispersion and loss compensation with 1.5 μ m optical amplifiers. 1989 , 25, 603	30
2077	Parametric solitons on Raman resonance and self-induced transparency in silica optical fibre. 1989 , 21, 429-433	4
2076	The role of the second Painlevé transcendent in nonlinear optics. 1989 , 141, 417-419	37
2075	Spectral and temporal study of the evolution from modulational instability to solitary wave. 1989 , 69, 325-328	15
2074	Unusual modulation instability in fibers with normal and anomalous dispersions. 1989 , 73, 409-412	7
2073	Soliton generation through Raman amplification of pulses with sub fundamental soliton powers. 1989 , 72, 119-122	3
2072	Polarized soliton instability and branching in birefringent fibers. 1989 , 70, 166-172	64
2071	Raman solitons in media with a Stark shift: soliton regeneration through self-phase modulation. 1989 , 14, 125-7	2
2070	Bistable holes in nonlinear optical fibers. 1989 , 14, 509-11	13
2069	Propagation properties of dark solitons. 1989 , 14, 703-5	128
2068	Experimental demonstration of optical soliton switching in an all-fiber nonlinear Sagnac interferometer. 1989 , 14, 754-6	174
2067	Periodic amplification of dark solitons using stimulated Raman scattering. 1989 , 14, 808-10	21
2066	Temporal and spectral self-shifts of dark optical solitons. 1989 , 14, 868-70	33
2065	20-GHz soliton amplification and transmission with an Er(3+)-doped fiber. 1989 , 14, 1065-7	18
2064	Forward mode coupling in periodic nonlinear-optical fibers: modal dispersion cancellation and resonance solitons. 1989 , 14, 1071-3	41
2063	Soliton generation through Raman amplification of noise bursts. 1989 , 14, 1122-4	14

2062	Dark-soliton generation in optical fibers. 1989 , 14, 1281-3	25
2061	Interactions between dark solitons. 1989 , 14, 1371-3	88
2060	Curious features of nonlinear pulse propagation in single-mode optical fibers. 1989 , 15, 7	4
2059	Ultrashort light pulses. 1989 , 60, 3597-3624	38
2058	Dynamics of solitons in nearly integrable systems. 1989 , 61, 763-915	1346
2057	Dark optical solitons with finite-width background pulses. 1989 , 6, 329	109
2056	Waveguides and fibers for nonlinear optics. 1989 , 6, 652	243
2055	Parametric amplification and modulational instabilities in dispersive nonlinear directional couplers with relaxing nonlinearity. 1989 , 6, 889	69
2054	Raman response function of silica-core fibers. 1989 , 6, 1159	480
2053	Effects of cross-phase modulation and pump depletion on Stokes pulse dynamics in stimulated Raman scattering. 1989 , 6, 1851	14
2052	Femtosecond optical shocks and wave breaking in fiber propagation. 1989 , 6, 2392	34
2051	. 1989 , 25, 1907-1916	26
2050	. 1989 , 25, 2036-2044	50
2049	. 1989 , 25, 2205-2213	22
2048	. 1989 , 25, 2656-2664	73
2047	Observation of the formation of an optical intensity shock and wave breaking in the nonlinear propagation of pulses in optical fibers. 1989 , 62, 531-534	110
2046	. 1989 , 7, 353-357	11
2045	Theory of light-beam propagation at nonlinear interfaces. I. Equivalent-particle theory for a single interface. 1989 , 39, 1809-1827	198

2044	PROPAGATION OF ELECTROMAGNETIC WAVES IN NONLINEAR DISPERSIVE MEDIA. 1989 , 9, 273-280		1
2043	.		
2042	Envelope Soliton under Dissipation. 1989 , 58, 821-826		2
2041	Bibliography. 329-335		
2040	Envelope solitary waves in nonuniform or dissipative media. 1990 , 2, 1511-1519		6
2039	Effects of higher-order dispersion on envelope solitons. 1990 , 2, 889-900		39
2038	Optical fiber nonlinear soliton communication. 1990 , 7, 152-162		
2037	. 1990 , 26, 2109-2114		42
2036	Nonlinear optics. 1990 , 44, 1-37		42
2035	Soliton dynamics in a monomode optical fibre. 1990 , 187, 63-108		23
2034	Dark solitons produced by phase steps in nonlinear optical fibers. 1990 , 79, 285-290		6
2033	Stationary periodical waves in optical fibers. 1990 , 79, 23-25		5
2032	Split-step spectral method for nonlinear schrödinger equation with constant background intensities. 1990 , 86, 492-495		4
2031	Automatic optical soliton control using cascaded Er ³⁺ -doped fibre amplifiers. 1990 , 26, 1032		8
2030	Self-induced transparency soliton digital switch. <i>Applied Physics Letters</i> , 1990 , 56, 614-616	3-4	14
2029	Polarization instabilities of dark and bright coupled solitary waves in birefringent optical fibers. 1990 , 41, 6415-6424		24
2028	Dark-pulse solitons in nonlinear-optical fibers. 1990 , 41, 3994-4008		52
2027	Traveling-wave semiconductor laser amplifiers for optical communications systems.		4

2026	Observation of multiple wavelength soliton collisions in optical systems with fiber amplifiers. <i>Applied Physics Letters</i> , 1990 , 57, 1715-1717	3-4	24
2025	Influence of the Exchange of Energy Between Optical Pulses on Their Relative Movement Through Parametric Processes in Single-mode Optical Fibres. 1990 , 37, 1453-1458		4
2024	.		
2023	. 1990 , 8, 1009-1016		21
2022	. 1990 , 8, 1097-1106		39
2021	Using nonsoliton pulses for soliton-based fiber communications. 1990 , 8, 568-575		2
2020	Perturbation theory for solitons in optical fibers. 1990 , 42, 5689-5694		235
2019	Solitons and their observable signatures in quasi-one-dimensional systems. 1990 , 1-15		
2018	. 1990 , 2, 128-131		22
2017	. 1990 , 2, 216-219		38
2016	. 1990 , 2, 358-359		18
2015	. 1990 , 2, 507-509		7
2014	Radiations by "solitons" at the zero group-dispersion wavelength of single-mode optical fibers. 1990 , 41, 426-439		213
2013	Dynamics of coupled solitons in nonlinear optical fibers. 1990 , 42, 563-571		128
2012	Application of optical cross talk to switching between bistable soliton states. 1990 , 15, 162-4		5
2011	Existence of solitary waves in optical fibers owing to the mutual support between bright and dark pulses. 1990 , 15, 474-6		19
2010	Soliton switch using birefringent optical fibers. 1990 , 15, 477-9		38
2009	Generation and transmission of optical solitons in the gigahertz region using a directly modulated distributed-feedback laser diode. 1990 , 15, 588-90		25

2008	Ultrafast solitary waves sustained through induced phase modulation by a copropagating pump. 1990 , 15, 670-2	19
2007	Solitons and two-photon absorption. 1990 , 15, 1005-7	77
2006	Ultrashort-soliton interactions in optical fibers. 1990 , 15, 1061-3	5
2005	Ultrashort-pulse propagation in optical fibers. 1990 , 15, 1076-8	160
2004	Guiding-center soliton in optical fibers. 1990 , 15, 1443-5	265
2003	Finite-dimensional description of nonlinear pulse propagation in optical-fiber couplers with applications to soliton switching. 1990 , 7, 374	55
2002	Particle aspects of collimated light channel propagation at nonlinear interfaces and in waveguides. 1990 , 7, 963	51
2001	Angle-dependent nonlinear modes of a cylindrical waveguide. 1990 , 7, 975	7
2000	Quantum theory of self-phase modulation. 1990 , 7, 1142	21
1999	Soliton stability in birefringent optical fibers: analytical approach. 1990 , 7, 2204	65
1998	Long-distance optical soliton transmission with lumped amplifiers. 1990 , 26, 692-700	44
1997	. 1990 , 26, 2095-2102	33
1996	. 1990 , 26, 2103-2108	20
1995	New-Type of Soliton Solutions for a Higher-Order Nonlinear Schrödinger Equation. 1991 , 60, 409-417	323
1994	Dynamical Equation for Nonlinear Pulse Propagation in Semiconductor-doped Glass Fibres. 1991 , 38, 11-13	8
1993	III Generation and Propagation of Ultrashort Optical Pulses. 1991 , 199-291	4
1992	.	
1991	Weak-pulse-activated coherent soliton switching in nonlinear couplers. 1991 , 16, 1	44

1990	Effects of initial overlap on the propagation of optical solitons at different wavelengths. 1991 , 16, 208-10	51
1989	Average soliton dynamics of a high-gain erbium fiber laser. 1991 , 16, 1337-9	78
1988	Experimental spatial soliton trapping and switching. 1991 , 16, 1472-4	71
1987	Propagation of solitonlike pulses under cross-phase modulation. 1991 , 16, 1560-2	11
1986	Self-induced transparency in a dispersive and nonlinear Kerr host medium. 1991 , 16, 1575-7	10
1985	Dark-soliton jitter in amplified optical transmission systems. 1991 , 16, 1578-80	77
1984	Nonlinear propagation of ultrashort pulses in optical fibers: total field formulation in the frequency domain. 1991 , 8, 276	44
1983	Generating dark solitons through cross-phase modulation in optical fibers. 1991 , 8, 464	5
1982	Collisions of dark solitons in optical fibers. 1991 , 8, 471	39
1981	Interactions between femtosecond solitons in optical fibers. 1991 , 8, 1114	15
1980	Coherent pulse propagation in a resonant absorber with Kerr-type nonlinearity. 1991 , 8, 1276	6
1979	Propagation of ultrashort light pulses in fibers with saturable nonlinearity in the normal-dispersion region. 1991 , 8, 1507	55
1978	Femtosecond soliton propagation in fibers with slowly decreasing dispersion. 1991 , 8, 1633	136
1977	Femtosecond optical soliton transmission over long distances using adiabatic trapping and soliton standardization. 1991 , 8, 1811	47
1976	Variational approach to collapse of optical pulses. 1991 , 8, 2082	175
1975	Self-phase modulation of incoherent pulses in single-mode optical fibers. 1991 , 8, 2094	13
1974	Soliton propagation in materials with saturable nonlinearity. 1991 , 8, 2296	176
1973	Adiabatic amplification of optical solitons. 1991 , 43, 6187-6193	55

1972	Nonlinear Effects in Optical Fibers. 1991 , 267-295	2
1971	On Dynamics of Solutions of the Generalized Nonlinear Schrödinger Equation. 1991 , 11, 407-434	
1970	Integrable heterogeneous nonlinear Schrödinger equations with dielectric loss: Lie-Bäcklund symmetries. 1991 , 32, 8-18	6
1969	10 Gbit/s single-pass soliton transmission over 1000 km. 1991 , 27, 1289	9
1968	Deformation of Nonlinear Gravity Waves Due to Depth Variation. 1991 , 60, 4127-4132	10
1967	Material figures of merit for non-linear optics. 1991 , 204, 1-17	31
1966	The spectral distribution and the frequency shift of the supercontinuum. 1991 , 160, 261-270	4
1965	Optical spikes in a free electron laser: theory and experiment. 1991 , 304, 99-103	5
1964	Nonlinear pulse propagation in a monomode composite glass optical fibre. 1991 , 84, 346-350	4
1963	Dark soliton trains formed by visible pulse collisions in optical fibers. 1991 , 82, 107-111	19
1962	Symbiotic stationary periodical waves through four-photon parametric processes. 1991 , 83, 108-112	9
1961	Doubly nonlinear fibre loop lasers. 1991 , 86, 170-176	2
1960	Propagation of profiled optical beams through Kerr media. 1991 , 4, 471-475	
1959	Stability and soliton via modified nonlinear Schrödinger equation. 1991 , 4, 475-479	
1958	Computer simulation of wave collapses in the nonlinear Schrödinger equation. 1991 , 52, 16-35	84
1957	Soliton caustics. 1991 , 53, 1-12	23
1956	Soliton phenomena in unstable media. 1991 , 51, 388-406	7
1955	Can wholism reconcile the inaccuracy of theory with the accuracy of prediction?. 1991 , 89, 3-13	8

1954	Bit-error-rate investigation of two-channel soliton propagation over more than 10 000 km. 1991 , 27, 695	23
1953	All-optical switching of solitons in two- and three-core nonlinear fiber couplers. 1991 , 70, 7240-7243	71
1952	Quantum theory of cross-phase-modulational instability: Twin-beam correlations in a chi (3) process. 1991 , 44, 2113-2123	15
1951	Squeezed optical solitons. 1991 , 66, 153-156	227
1950	Coexistence of self-induced transparency soliton and nonlinear Schrödinger soliton. 1991 , 66, 2625-2628	103
1949	Coexistence of a self-induced-transparency soliton and a nonlinear Schrödinger soliton in an erbium-doped fiber. 1991 , 44, 5973-5987	54
1948	Modulation instability in the region of minimum group-velocity dispersion of single-mode optical fibers via an extended nonlinear Schrödinger equation. 1991 , 43, 6162-6165	126
1947	Ginzburg-Landau equation: A nonlinear model for the radiation field of a free-electron laser. 1991 , 43, 6934-6938	19
1946	Quantum theory of soliton propagation in an optical fiber using the Hartree approximation. 1991 , 43, 3836-3844	50
1945	Invariant of motion method for nonlinear pulse propagation in optical fibers. 1991 , 44, 2130-2134	5
1944	Squeezed quantum solitons and Raman noise. 1991 , 67, 3757-3760	49
1943	IV Theoretical Foundation of Optical-Soliton Concept in Fibers. 1992 , 30, 205-259	19
1942	Tunable Femtosecond Soliton Propagation in Optical Fibers. 1992 , 9, 519-522	1
1941	Quantum theory of femtosecond solitons in optical fibres. 1992 , 4, 157-161	5
1940	Propagation and stability of optical pulses in a diffractive dispersive non-linear medium. 1992 , 1, 7-12	17
1939	OPTICAL SOLITONS. 1992 , 41-83	1
1938	Coupled-mode analysis of the self-induced-transparency soliton switch. 1992 , 46, 1594-1605	3
1937	Soliton solutions to coupled higher-order nonlinear Schrödinger equations. 1992 , 33, 1208-1215	104

1936	Femtosecond solitons in nonlinear optical fibers: Classical and quantum effects. 1992 , 46, 4192-4201	16
1935	Modulation instability of the lowest nonlinear mode of a cylindrical waveguide. 1992 , 46, 430-435	3
1934	Analysis of a nonlinear Schrödinger equation with numerical techniques. 1992 , 72, 3255-3257	6
1933	Optical switching in the presence of two-photon absorption for a nonlinear directional coupler. 1992 , 45, 5305-5307	11
1932	Coherent pi-pulse propagation with pulse breakup in an erbium-doped fiber waveguide amplifier. 1992 , 45, R2682-R2685	49
1931	Exact solutions of the nonlinear Schrödinger equation for the normal-dispersion regime in optical fibers. 1992 , 45, 6730-6734	17
1930	Propagation of electromagnetic solitary waves in dispersive nonlinear dielectrics. 1992 , 45, 3184-3193	28
1929	Coupled evolution equations for axially inhomogeneous optical fibres. 1992 , 49, 293-309	7
1928	Self-induced-transparency solitons in an erbium-doped fiber waveguide. 1992 , 45, R23-R26	67
1927	Erbium-doped fiber amplifiers and the next generation of lightwave systems. 1992 , 71, 53-62	23
1926	Squeezing of Bound Solitary Waves in a Birefringent Optical Fibre. 1992 , 39, 2315-2328	2
1925	Soliton collision and soliton fusion in dispersive materials with a linear and quadratic intensity depending refraction index change. 1992 , 28, 1732-1738	54
1924	. 1992 , 10, 273-278	45
1923	Partial soliton communication system. 1992 , 87, 15-18	39
1922	Closed-form, localized wave solutions in optical fiber waveguides. 1992 , 9, 937	20
1921	Phase detecting of solitons by mixing with a continuous-wave background in an optical fiber. 1992 , 9, 236	30
1920	Effect of the Raman part of the nonlinear refractive index on propagation of ultrashort optical pulses in fibers. 1992 , 9, 565	65
1919	Generation, propagation, and amplification of dark solitons. 1992 , 9, 1134	61

1918	Supercontinuum in the anomalous group-velocity dispersion region. 1992 , 9, 1813	16
1917	Stimulated Brillouin scattering from trains of solitons in optical fibers: information degradation. 1992 , 9, 1857	7
1916	Induced focusing and spatial wave breaking from cross-phase modulation in a self-defocusing medium. 1992 , 17, 19-21	62
1915	Simulations to demonstrate reduction of the Gordon-Haus effect. 1992 , 17, 34-6	37
1914	Observation of the formation of dark-soliton trains in optical fibers. 1992 , 17, 261-3	44
1913	Numerical solutions of the Maxwell-Bloch equations for a fiber amplifier. 1992 , 17, 340-2	15
1912	Analytic solution for soliton propagation in a nonlinear saturable medium. 1992 , 17, 1414	30
1911	N-soliton interaction in trains of unequal soliton pulses in optical fibers. 1992 , 17, 1417	40
1910	SOLITON PHENOMENA IN OPTICAL FIBRES. 1992 , 159-183	1
1909	Non-linear transformation of laser radiation and generation of Raman solitons in optical fibers. 1992 , 197-265	2
1908	Optische Verstärker für Lichtleitfasern. 1992 , 23, 256-258	3
1907	Self-action of short pulses in nonhomogeneous graded-index light guides. 1992 , 24, 303-312	2
1906	Femtosecond pulse generation in a linear passive mode-locked dye laser. 1992 , 24, 313-344	12
1905	Optical switching between bistable soliton states: a theoretical review. 1992 , 24, S1295-S1314	40
1904	Continuous wave and pulse propagation in three-core fibre nonlinear directional couplers. 1992 , 24, S1315-S1323	18
1903	All-optical switching of solitons in an active nonlinear directional coupler. 1992 , 24, S1325-S1336	14
1902	Single-electron solitons. 1992 , 11, 61-64	8
1901	Bistable bright solitons in dispersive media with a linear and quadratic intensity-dependent refraction index change. 1992 , 87, 161-165	65

1900	Low-interaction solitary waves. 1992 , 91, 97-98	0
1899	Whole beam method for photorefractive nonlinear optics. 1992 , 89, 276-282	31
1898	Soliton dynamics in directional couplers with variable coupling. 1992 , 90, 301-303	6
1897	Dynamics of additive-pulse mode-locked fibre lasers. 1992 , 90, 65-69	7
1896	Bistable pulse collisions of the cubic-quintic nonlinear Schrödinger equation. 1992 , 94, 92-98	29
1895	New kinds of periodical waves in birefringent optical fibers. 1992 , 89, 389-392	47
1894	Steady-state pulse propagation in an amplifying medium embedded in a dispersive and nonlinear Kerr host. 1992 , 89, 463-467	5
1893	Computation of the direct scattering transform for the nonlinear Schroedinger equation. 1992 , 102, 252-264	96
1892	Exact solutions of grey solitons in uniform self-defocussing media. 1992 , 169, 37-40	
1891	Dynamics of optical pulses in randomly birefringent fibers. 1992 , 55, 166-181	37
1890	Optoelectronics [past, present, and future. 1992 , 17, 327-354	1
1889	Génération d'impulsions picosecondes avec des lasers à semiconducteur pour les transmissions par soliton sur fibre optique. 1992 , 47, 347-358	
1888	Soliton-type femtosecond pulse lasers. 1992 , 75, 18-26	
1887	Nonlinear interaction between optical solitons and maximum transmission capacity. 1992 , 75, 1-10	
1886	Optical soliton transmission. 1992 , 75, 1-13	
1885	A new approach to the analysis of the soliton: Nonuniform finite difference beam propagation method. 1992 , 5, 284-288	1
1884	Optical Nonlinearity: Phenomena, applications, and materials. 1993 , 5, 520-545	219
1883	The screening of a spiral field in a 2D complex Ginzburg-Landau equation. 1993 , 179, 191-197	5

1882	Self-sustained mode locking using induced nonlinear birefringence in optical fibre. 1993 , 97, 178-182	10
1881	Radio emission of an optical soliton propagating in a ring fiber. 1993 , 100, 437-442	1
1880	Influence of the initial phase difference between pulses on the N-soliton interaction in trains of unequal solitons in optical fibers. 1993 , 97, 307-311	17
1879	Combined effects of self-, cross-phase modulation and stimulated Raman scattering in optical fibers. 1993 , 100, 197-203	4
1878	Nonlinear self-phase modulation in optical soliton systems with lumped amplifiers. 1993 , 101, 337-341	1
1877	Quantum solitons in optical fibres. 1993 , 365, 307-313	189
1876	Pattern formation outside of equilibrium. 1993 , 65, 851-1112	5971
1875	Reduction of amplified spontaneous emission (ase) noise from transmitted soliton signals with a nonlinear amplifying optical loop mirror. 1993 , 76, 21-29	
1874	Bright-dark solitary-wave solutions of a multidimensional nonlinear Schrödinger equation. 1993 , 48, 2312-2315	21
1873	Soliton solution for coupled periodically twisted birefringent optical fibers. 1993 , 10, 941	12
1872	Nonlinear fiber external cavity mode locking of erbium-doped fiber lasers. 1993 , 10, 1166	14
1871	Solitary-wave stability in birefringent optical fibers. 1993 , 10, 1202	20
1870	Long-range interference effects of soliton reshaping in optical fibers. 1993 , 10, 1386	32
1869	Soliton-supported pulses at normal dispersion in optical fibers. 1993 , 10, 2313	13
1868	Optical soliton in graded-index waveguides. 1993 , 18, 266	7
1867	Ultrashort solitons at the minimum-dispersion wavelength: effects of fourth-order dispersion. 1993 , 18, 1388-90	80
1866	Bound-vector solitary waves in isotropic nonlinear dispersive media. 1993 , 18, 1406-8	65
1865	Complete compensation for the soliton self-frequency shift and third-order dispersion of a fiber. 1993 , 18, 1911-2	14

1864	. 1993 , 29, 250-264	145
1863	. 1993 , 29, 286-295	5
1862	. 1993 , 81, 970-983	39
1861	. 1993 , 11, 836-846	4
1860	. 1993 , 11, 395-399	141
1859	. 1993 , 11, 468-473	65
1858	Spatial solitons in a self-focusing semiconductor gain medium. 1993 , 70, 920-923	37
1857	. 1993 , 11, 542-547	1
1856	Theory of self-induced transparency in a Kerr host medium beyond the slowly-varying-envelope approximation. 1993 , 47, 3371-3379	9
1855	Nonlinear guided waves. 1993 , 28, 885-890	
1854	. 1993 , 81, 1568-1579	62
1853	Soliton solutions for a perturbed nonlinear Schrodinger equation. 1993 , 26, L757-L765	41
1852	Ultra-short pulse generation for soliton transmission using electroabsorption modulators. 1993 , 12, 355-368	1
1851	Analytic method for solving the nonlinear Schrodinger equation describing pulse propagation in dispersive optic fibres. 1993 , 26, 2679-2697	20
1850	Conservation laws for the non-linear Schrödinger equation. 1993 , 2, 5-7	1
1849	The transmission properties of soliton on the CW background near the zero-dispersion wavelength. 1993 , 2, 356-364	
1848	Soliton trapping and daughter waves in the Manakov model. 1993 , 48, 599-604	94
1847	Special narrowing of ultrashort laser pulses by self-phase modulation in optical fibers. <i>Applied Physics Letters</i> , 1993 , 63, 1017-1019	3-4 119

1846	Microwave magnetic-envelope dark solitons in yttrium iron garnet thin films. 1993 , 70, 1707-1710	128
1845	Modulational instability dynamics in a spatial focusing and temporal defocusing medium. 1993 , 47, 3617-3622	11
1844	Adiabatic compression of Schrödinger solitons due to the combined perturbations of higher-order dispersion and delayed nonlinear response. 1993 , 71, 73-76	34
1843	Laser Ginzburg-Landau equation and laser hydrodynamics. 1993 , 48, 1573-1581	122
1842	Pulse propagation in optical fibers near the zero dispersion point. 1993 , 47, R3844-R3847	20
1841	Inverse-scattering approach to femtosecond solitons in monomode optical fibers. 1993 , 48, 4699-4709	69
1840	. 1993 , 11, 462-467	7
1839	Wave collapse and optical-pulse compression. 1993 , 47, R27-R29	14
1838	Analytic method for solving the modified nonlinear Schrödinger equation describing soliton propagation along optical fibers. 1993 , 47, 3190-3194	18
1837	Two-parameter family of exact solutions of the nonlinear Schrödinger equation describing optical-soliton propagation. 1993 , 47, 3285-3290	40
1836	Optical multiwave mixing: Dark solitary wave trains and quasiperiodic dynamics. 1993 , 47, 1252-1262	12
1835	Two-evolution equations for nonlinear subpicosecond pulses in optical fibers and their equivalent solitary solutions. 1993 , 12, 71-81	1
1834	Control filters for repeaterless soliton transmission. 1993 , 12, 187-197	1
1833	Performance Evaluation of Optical Soliton Communication Systems with Lumped Amplifiers. 1994 , 15,	
1832	Gauge Transformations among Generalised Nonlinear Schrödinger Equations. 1994 , 63, 3962-3966	22
1831	Effects of EDFA Construction Parameters on Soliton Propagation in Long-distance Transmission Systems. 1994 , 15,	3
1830	A variational approach to optical soliton collisions. 1994 , 50, 265-270	15
1829	The Riemann problem method for solving a perturbed nonlinear Schrodinger equation describing pulse propagation in optic fibres. 1994 , 27, 6177-6189	52

1828	Exact N -Soliton Solutions for the Higher-Order Nonlinear Schrödinger Equation Under Another Condition. 1994 , 11, 737-740	3
1827	Effective area of the LP01 mode in non-linear optical fibres. 1994 , 3, 725-730	6
1826	Soliton position jitter caused by periodic amplification and self-frequency shift. 1994 , 30, 439-440	6
1825	Optical solitons in semiconductor-doped glass fibres with saturation-type nonlinearity. 1994 , 27, 3971-3978	1
1824	Dissipative optical solitons. 1994 , 49, 2806-2811	60
1823	Exact N-soliton solutions of the extended nonlinear Schrödinger equation. 1994 , 49, 5726-5730	31
1822	Nonlinear Schrödinger equation for optical media with quadratic nonlinearity. 1994 , 49, 574-585	43
1821	Backward-volume-wave microwave-envelope solitons in yttrium iron garnet films. 1994 , 49, 12773-12790	87
1820	Soliton states in wave mixing and third-harmonic generation. 1994 , 50, 5145-5152	3
1819	Nonperturbative studies of a quantum higher-order nonlinear Schrödinger model using the Bethe ansatz. 1994 , 50, 3453-3463	27
1818	Bifurcations of the dark soliton and polarization domain walls in nonlinear dispersive media. 1994 , 49, 4512-4518	25
1817	Quantum-nondemolition measurements with coherent soliton probes. 1994 , 73, 2837-2840	15
1816	Internal friction between solitons in near-integrable systems. 1994 , 50, 3126-3133	22
1815	Restoration of dual-frequency signals with nonlinear propagation in fibers with positive group velocity dispersion. <i>Applied Physics Letters</i> , 1994 , 64, 3374-3376	3-4 6
1814	Propagation of Gaussian beams in a nonlinear saturable medium. 1994 , 50, 4087-4093	21
1813	Stable localized solutions in nonlinear optics with large dissipation. 1994 , 204, 87-95	37
1812	Solitons in the nonlinear Schrödinger model and the collective ground state of a one-dimensional delta-function gas. 1994 , 195, 204-209	
1811	Modulational instability, periodic waves and black and white vector solitons in birefringent Kerr media. 1994 , 111, 86-92	16

1810	Radiationless optical solitons with oscillating tails. 1994 , 110, 540-544	53
1809	Soliton-like pulses governed by fourth order dispersion in optical fibers. 1994 , 104, 303-307	76
1808	The generation of quasi-continuous trains of dark soliton-like pulses. 1994 , 112, 333-338	12
1807	Forces on solitons in finite, nonlinear, planar waveguides. 1994 , 7, 378-381	
1806	Characterization of crossing strips laid on a semiconducting substrate using the transverse resonance method. 1994 , 7, 381-384	
1805	Nonlinear wave modulation in fluid filled distensible tubes. 1994 , 104, 201-214	17
1804	Generation of envelope and hole solitons in an experimental transmission line. 1994 , 49, 828-835	149
1803	Bifurcation phenomena and multiple soliton-bound states in isotropic Kerr media. 1994 , 49, 3376-3381	78
1802	Vector soliton associated with polarization modulational instability in the normal-dispersion regime. 1994 , 49, 3389-3399	34
1801	Computer simulation of the linear and nonlinear propagation of electromagnetic waves in dielectric media. 1994 , 19, 10-2	3
1800	Comblike dispersion-profiled fiber for soliton pulse train generation. 1994 , 19, 539-41	76
1799	Soliton formation in a femtosecond optical parametric oscillator. 1994 , 19, 825-7	25
1798	Parametric spatial solitary waves. 1994 , 19, 1287-9	23
1797	Pulse propagation in nonlinear optical fiber lines that employ phase-sensitive parametric amplifiers. 1994 , 11, 2112	48
1796	. 1994 , 30, 37-45	70
1795	Long distance communications with solitons. 1994 , 6, 463-516	24
1794	. 1994 , 30, 148-154	16
1793	Soliton instabilities and pulse compression in minimum dispersion fibers. 1994 , 30, 1831-1841	8

1792	Reduction of amplified spontaneous emission from a transmitted soliton signal using a nonlinear amplifying loop mirror and a nonlinear optical loop mirror. 1994 , 30, 1842-1850	20
1791	Pulse temporal and spatial chirping by a bulk Kerr medium in a regenerative amplifier. 1994 , 30, 2194-2202	4
1790	Soliton transmission in telecommunication networks. 1994 , 32, 34-41	10
1789	. 1994 , 30, 26-36	18
1788	. 1994 , 12, 541-549	55
1787	. 1994 , 12, 1101-1111	2
1786	. 1994 , 12, 1330-1337	16
1785	Coupled Hybrid Nonlinear Schrödinger Equation and Optical Solitons. 1994 , 63, 2887-2894	39
1784	Perturbation method for the energy-momentum tensor of an optical soliton. 1995 , 36, 1765-1775	
1783	Nonlinear interaction of solitons and radiation. 1995 , 87, 201-215	81
1782	Femtosecond optical pulse shaping and processing. 1995 , 19, 161-237	302
1781	Odd and even two-dimensional dark spatial solitons. 1995 , 61, 121-124	8
1780	Optical solitons in communications: From integrability to controllability. 1995 , 39, 85-90	8
1779	A numerical procedure for soliton generation. 1995 , 27, 799-803	1
1778	Optische Solitonen Grundlagen und Anwendungen. 1995 , 26, 152-161	1
1777	The variational principle for nonlinear waves in dissipative systems. 1995 , 87, 155-159	40
1776	Solitons in random nonuniform erbium doped nonlinear fiber media. 1995 , 206, 183-186	25
1775	Locking of soliton pulses with different carrier frequencies through parametric interaction. 1995 , 206, 187-194	3

1774	A baseband soliton oscillator. 1995 , 5, 1013-1029	6
1773	Solitons in fibre lasers and mode-locked systems. 1995 , 5, 2475-2483	
1772	Stable spatially localized solutions and holes in optical bistability. 1995 , 216, 288-298	12
1771	Compensation for the soliton self-frequency shift and the third-order dispersion using bandwidth-limited optical gain. 1995 , 113, 401-406	7
1770	Time resolved spectral development of ultrashort pulse solitons in erbium fiber loop lasers. 1995 , 115, 105-109	1
1769	Short pulse nonlinear frequency conversion without group-velocity-mismatch broadening. 1995 , 117, 295-302	25
1768	Average soliton dynamics in strongly perturbed systems. 1995 , 117, 65-70	17
1767	Propagation of femtosecond pulses in a fiber amplifier. 1995 , 122, 71-82	11
1766	Spatio-temporal solitary pulses in graded-index materials with Kerr nonlinearity. 1995 , 119, 167-170	36
1765	Stationary trapping of light beams in bulk second-order nonlinear media. 1995 , 121, 149-155	50
1764	Numerical simulation of nonlinear Schrödinger systems: A new conservative scheme. 1995 , 71, 165-177	135
1763	Cherenkov radiation emitted by solitons in optical fibers. 1995 , 51, 2602-2607	554
1762	Optical soliton switching and coupled-soliton propagation in three-core fiber nonlinear directional couplers. 1995 , 78, 1-10	1
1761	A novel method for simulating the complex Ginzburg-Landau equation. 1995 , 53, 315-333	9
1760	Application of Optical Solitons in High-Speed and Wavelength-Division-Multiplexed Lightwave Communication Systems. 1995 , 4, 41-59	1
1759	Unique spatial solitons in Gunn-instability semiconductors. 1995 , 77, 5191-5194	3
1758	Numerical studies on the electromagnetic properties of the nonlinear Lorentz computational model for dielectric media. 1995 , 77, 2314-2320	
1757	Soliton interaction and stability in nonlinear directional fiber couplers. 1995 , 52, 5565-5573	9

1756	Construction of the soliton states of the quantum nonlinear Schrödinger equation. 1995 , 4, 649-662	
1755	Optical soliton propagation in an erbium doped nonlinear light guide with higher order dispersion. 1995 , 74, 2941-2944	72
1754	Definition and construction of the quantum soliton states in optical fibers. 1995 , 52, 874-877	5
1753	Generation and evolution of two-dimensional dark spatial solitons. 1995 , 52, 5517-5523	16
1752	Photonic superguiding state in nonlinear polar crystals. 1995 , 51, 675-691	16
1751	Asymptotically stable solitary waves in a Kerr dispersive medium in the presence of linear amplification and nonlinear losses. 1995 , 52, 694-698	2
1750	Electromagnetic "bubbles" and shock waves: Unipolar, nonoscillating EM solitons. 1995 , 75, 2316-2319	80
1749	Bright and dark optical solitons in coupled higher-order nonlinear Schrodinger equations through singularity structure analysis. 1995 , 28, 7299-7314	33
1748	Filamentation instability and localization of finite amplitude optical pulses in saturable nonlinear media. 1995 , 52, 199-200	1
1747	Analysis of coherent and incoherent interactions of amplitude shifted solitons in optical fibres. 1995 , 52, 544-553	6
1746	Derivation of the equation for an ultrashort pulse in a fibre. 1995 , 4, 199-218	5
1745	Role of optical solitons in high speed communication systems. 1995 , 4, 265-269	5
1744	10 Gbit/s pseudorandom dark soliton data transmission over 1200 km. 1995 , 31, 1076-1077	42
1743	Dark Solitary-Wave Solutions in Bulk Linear Media with Group Velocity Dispersion. 1995 , 12, 396-399	
1742	Nonlinear dynamics of weak ferromagnetic spin chains. 1995 , 28, 5529-5537	17
1741	Generation of a pseudorandom dark soliton data train and its coherent detection by one-bit-shifting with a Mach-Zehnder interferometer. 1995 , 31, 1084-1085	33
1740	Optical bistability and temporal symmetry-breaking instability in nonlinear fiber resonators. 1995 , 14, 337-346	9
1739	Quantum theory of self-induced transparency. 1995 , 450, 753-767	6

1738	Pulse compression and spatial phase modulation in normally dispersive nonlinear Kerr media. 1995 , 20, 306-8	27
1737	Solitary waves in a single-mode fiber with two-photon absorption and bandwidth-limited optical gain. 1995 , 20, 450-2	2
1736	Analytic spatial solitary wave modes of the coupled-wave-carrier equations in a semiconductor waveguide. 1995 , 20, 1761	
1735	Recovery of solitons with nonlinear amplifying loop mirrors. 1995 , 20, 2490	8
1734	Polarization coupling and transverse interaction of spatial optical solitons in a slab waveguide. 1995 , 12, 77	7
1733	Ring laser configuration studied by collective coordinates. 1995 , 12, 139	21
1732	Compression of optical solitons by conversion of nonlinear modes. 1995 , 12, 1110	6
1731	Nonlinear modal parameters of optical fibers: a full-vectorial approach. 1995 , 12, 1933	8
1730	Modulational instability in lossy optical fibers. 1995 , 12, 2071	61
1729	Traveling-wave method for solving the modified nonlinear Schrödinger equation describing soliton propagation along optical fibers. 1995 , 51, 1493-1498	9
1728	. 1995 , 13, 1121-1126	
1727	. 1995 , 31, 183-189	16
1726	. 1995 , 31, 190-200	30
1725	. 1995 , 31, 1098-1106	
1724	Short pulse generation by higher order soliton-effect compression: effects of optical fiber characteristics. 1995 , 31, 2226-2235	58
1723	Bragg grating solitons. 1996 , 76, 1627-1630	497
1722	Optical amplifiers transform long-distance lightwave telecommunications. 1996 , 84, 870-883	14
1721	Optical solitons in presence of Kerr dispersion and self-frequency shift. 1996 , 76, 3955-3958	191

1720	Bright optical soliton in the presence of fourth-order dispersion. 1996 , 21, 845-7	40
1719	Soliton excitation and mutual locking of light beams in bulk quadratic nonlinear crystals. 1996 , 13, 864	33
1718	Bright and black paired soliton states in birefringent optical fibers. 1996 , 13, 1817	3
1717	Soliton transmission in optical fibers with loss and saturable nonlinearity. 1996 , 13, 1999	3
1716	Solitons in optical communications. 1996 , 68, 423-444	325
1715	Probing interface properties of nanocomposites by third-order nonlinear optics. 1996 , 62, 403-415	63
1714	Spatiotemporal evolution of probe beams guided between bright solitons of nondegenerate frequencies. 1996 , 32, 1657-1663	
1713	Exact soliton solutions to coupled nonlinear Schrödinger equations with higher-order effects. 1996 , 54, 2949-2955	68
1712	Exact compensation for both chromatic dispersion and Kerr effect in a transmission fiber using optical phase conjugation. 1996 , 14, 243-248	146
1711	Dynamic alignment of pulses in bit-parallel wavelength links using a Shepherd pulse in nonlinear fibers for massively parallel processing computer networks.	4
1710	Nonlinear theory of oscillating, decaying, and collapsing solitons in the generalized nonlinear Schrödinger equation. 1996 , 53, 1940-1953	119
1709	Elastic and Inelastic Interaction of Gap Solitary waves in Resonant Photonic Bandgap Structure. 1996 ,	
1708	Two-state bright solitons in doped fibers with saturating nonlinearity. 1996 , 53, 1166-1171	15
1707	Ultraviolet Solitons Generated by Parametric Interactions. 1996 , 3, 19-21	
1706	Solitons and modulational instability. 1996 , 51, 297-303	0
1705	Jitter in fibre-based soliton transmission systems. 1996 , 51, 313-329	
1704	Nonlinear Schrödinger equation for optical media with quintic nonlinearity. 1996 , 46, 305-314	1
1703	Large-capacity optical communication systems. 1996 , 79, 31-42	

- 1702 Improved operation of logic devices constructed by asymmetric nonlinear optical fiber couplers using bandwidth limited amplification. **1996**, 79, 11-19
- 1701 Polariton solitons in semiconductors: Quantitative study. **1996**, 97, 273-277 6
- 1700 Modulation instability of ultrashort pulses via a generalized nonlinear Schrödinger equation with deviating argument. **1996**, 211, 276-280 13
- 1699 Excitation and dynamics of pulses in coupled fiber arrays. **1996**, 222, 157-162 20
- 1698 Coexistence of a self-induced transparency soliton and a higher order nonlinear Schrödinger soliton in an erbium doped fiber. **1996**, 123, 169-174 33
- 1697 Bright and dark solitary wave propagation and bistability in the anomalous dispersion region of optical waveguides with third- and fifth-order nonlinearities. **1996**, 124, 354-364 90
- 1696 Properties of bright solitons in averaged and unaveraged models for SDG fibres. **1996**, 125, 377-384 10
- 1695 Self-phase modulation in dispersion compensated optical fibre transmission systems. **1996**, 130, 153-162 21
- 1694 Soliton dynamics and surface waves at the interface between saturable nonlinear dielectrics. **1996**, 130, 205-218 10
- 1693 Optical dark-soliton generators and detectors. **1996**, 132, 389-402 15
- 1692 Analysis of bit error rate in an optical soliton communication system. **1996**, 28, 535-547 2
- 1691 Head-on collisions of dark solitons near the zero-dispersion point in optical fibers. **1996**, 54, 3048-3051 26
- 1690 Quantum noise of the fundamental soliton. **1996**, 53, 454-466 23
- 1689 Pulse shepherding in nonlinear fiber optics. **1996**, 80, 3174-3178 17
- 1688 Coherent Raman response and spectral characteristics of ultrashort solitons in fibers. **1996**, 53, 6492-6495 4
- 1687 Wave propagation in nonlinear photonic band-gap materials. **1996**, 53, 15577-15585 57
- 1686 Optical solitons in an erbium-doped nonlinear fibre medium with higher order dispersion and self-steepening. **1996**, 43, 693-699 5
- 1685 Complementary pairs of dark and bright optical pulses obtained by induced switching at a nonlinear interface. **1996**, 53, 582-585

1684	A comparative study of bright solitons in doped fibres with saturating nonlinearity. 1996 , 5, 283-292	3
1683	Soliton propagation in semiconductor-doped glass fibres with higher-order dispersion. 1996 , 5, 345-348	4
1682	Solitons in semiconductor-doped glass fibres with higher-order effects. 1997 , 6, 267-275	
1681	Optical solitons in birefringent fibre - Bäcklund transformation approach. 1997 , 6, L7-L11	46
1680	Nonlinear Schrödinger flow past an obstacle in one dimension. 1997 , 55, 2835-2845	159
1679	Solitary electromagnetic waves in non-Kerr-like nonlinear media. 1997 , 33, 1560-1563	
1678	An inverse scattering transform for the MKdV equation with non-vanishing boundary value. 1997 , 38, 226-246	10
1677	IV: Soliton Communication Systems. 1997 , 185-256	5
1676	Experimental Nonlinear Physics. 1997 , 07, 2003-2033	19
1675	Propagation of (2 + 1)-dimensional solitary waves in dissipative/active saturable nonlinear media. 1997 , 44, 1683-1691	
1674	Modulation Instability of Femtosecond Optical Pulses in Long Optical Fibers with Minimum Group-Velocity Dispersion. 1997 , 14, 470-473	6
1673	A new model for dark solitons in magnetic films. 1997 , 81, 5159-5161	3
1672	Numerical schemes for optical soliton propagation analysis: a test comparison.	
1671	Soliton propagation in nonlinear optics with higher-order effects. 1997 , 44, 387-394	4
1670	Reduction in higher order effects on logic functions of asymmetric nonlinear optical fiber couplers by bandwidth limited amplification. 1997 , 15, 279-287	1
1669	High-intensity pulse propagation in uniform gratings and grating superstructures. 1997 , 15, 1494-1502	60
1668	Optical Solitary Waves in the Higher Order Nonlinear Schrödinger Equation. 1997 , 78, 448-451	277
1667	FDTD Maxwell's equations models for nonlinear electrodynamics and optics. 1997 , 45, 364-374	134

1666	Application of the Manakov-PMD equation to studies of signal propagation in optical fibers with randomly varying birefringence. 1997 , 15, 1735-1746	268
1665	Painlevé analysis and bright solitary waves of the higher-order nonlinear Schrödinger equation containing third-order dispersion and self-steepening term. 1997 , 56, 1064-1070	90
1664	Black solitons in dispersion-managed fiber transmission systems. 1997 , 22, 157-9	4
1663	Weak topological optical solitons in the femtosecond time scale. 1997 , 14, 2359	3
1662	Femtosecond soliton pulses in birefringent optical fibers. 1997 , 14, 2365	9
1661	Soliton-based return-to-zero transmission over transoceanic distances by periodic dispersion compensation. 1997 , 14, 2953	14
1660	Nonlinear pulse propagation in Bragg gratings. 1997 , 14, 2980	151
1659	Electromagnetic bubbles: subcycle near-femtosecond and subfemtosecond field solitons. 1997 , 14, 3013	19
1658	Collisional interactions of vectorial spatial solitary waves in type II frequency-doubling media. 1997 , 14, 3151	15
1657	Propagation of short optical pulses in a dielectric sphere. 1997 , 14, 3424	12
1656	A time-domain optical transmission system simulation package accounting for nonlinear and polarization-related effects in fiber. 1997 , 15, 751-765	42
1655	Higher order soliton pulse compression in dispersion-decreasing optical fibers. 1997 , 33, 1430-1439	77
1654	On the relationship of periodic wavetrains and solitary waves of complex Ginzburg-Landau type equations. 1997 , 236, 391-402	3
1653	Self-trapping of incoherent white light. 1997 , 387, 880-883	164
1652	On the modelling of non-linear guided-wave optics for all-optical signal processing. 1997 , 29, 217-232	6
1651	Mutual compensation of the higher-order nonlinearity and the third-order dispersion. 1997 , 225, 67-72	9
1650	Multiple-scale perturbation beyond the nonlinear Schroedinger equation. I. 1997 , 100, 187-211	33
1649	Asymptotic behavior of the nonlinear Schrödinger equation with rapidly varying, mean-zero dispersion. 1997 , 108, 315-329	11

1648	Experimental nonlinear physics. 1997 , 334, 865-907	7
1647	Optical solitons and quasisolitons. 1998 , 86, 1035-1046	78
1646	Exploitation of the Fiber Capacity in Optically Amplified Transmission Systems. 1998 , 4, 34-82	10
1645	Influence of dispersive waves on vector soliton propagation. 1998 , 9, 517-524	
1644	Subwavelength spatial solitons of TE mode. 1998 , 157, 170-172	13
1643	Stimulated Raman scattering and spontaneous Raman solitons in ammonia. 1998 , 39, 457-472	4
1642	Nonlinear Schrödinger Family on Moving Space Curves: Lax Pairs, Soliton Solution and Equivalent Spin Chain. 1998 , 9, 1709-1722	16
1641	On the Integrability Properties of a Perturbed Nonlinear Schrödinger Field Equation. 1998 , 9, 1865-1874	11
1640	Analysis of all-optical clock recovery using a mode-locked fiber laser. 1998 , 123, 244-254	3
1639	Quasi-soliton for ultra-high speed communications. 1998 , 123, 267-270	45
1638	Structural stability of non-ground state traveling waves of coupled nonlinear Schrödinger equations. 1998 , 124, 137-165	25
1637	Asymptotic Transmission of Solitons through Random Media. 1998 , 58, 1969-1995	24
1636	Dark solitons in periodically amplified fiber transmission systems with stepwise-varying dispersion. 1998 , 34, 1301-1307	6
1635	Self-Trapping of Necklace Beams in Self-Focusing Kerr Media. 1998 , 81, 4851-4854	131
1634	Bilinearization of Coupled Nonlinear Schrödinger Type Equations: Integrability and Solitons. 1998 , 5, 126	16
1633	On the joint effects of fiber parametric gain and birefringence and their influence on ASE noise. 1998 , 16, 1149-1157	7
1632	Optical solitons in a dispersion-flattened fiber with linear and quadratic intensity-dependent refractive-index changes. 1998 , 15, 2210	1
1631	Optical Solitons in N-Coupled Higher Order Nonlinear Schrödinger Equations. 1998 , 80, 1425-1428	80

1630	Soliton aspects of the inhomogeneous coupled nonlinear Schrödinger equation in optical fibre. 1998 , 7, 1459-1464	20
1629	Propagation of Gaussian beams in a nonlinear medium. 1998 , 31, 1761-1769	4
1628	Solitons in randomly varying birefringent fibre. 1998 , 10, 251-261	8
1627	Effect of radiative loss on pulses in periodically inhomogeneous birefringent optical fibers. 1998 , 57, 7231-7238	8
1626	Generation of time-aligned picosecond pulses on wavelength-division-multiplexed beams in a nonlinear fiber. 1998 , 57, 6135-6139	6
1625	Analytical solution for the modified nonlinear Schrödinger equation describing optical shock formation. 1998 , 57, 4751-4756	49
1624	Enhanced pulse compression in a nonlinear fiber by a wavelength division multiplexed optical pulse. 1998 , 57, 2398-2404	49
1623	Optical solitary waves in two- and three-dimensional nonlinear photonic band-gap structures. 1998 , 57, 2287-2319	112
1622	Noise-free quantum-nondemolition measurement using optical solitons. 1998 , 58, 1501-1508	21
1621	Dynamical evolution of multiple four-wave-mixing processes in an optical fiber. 1998 , 57, 4757-4774	32
1620	Velocity characteristics of microwave-magnetic-envelope solitons. 1998 , 58, 2708-2715	15
1619	Temporal solitary subpicosecond pulse propagation in a dye-doped polymer slab waveguide with a negative nonlinear refractive index. <i>Applied Physics Letters</i> , 1998 , 72, 1562-1564	3-4 15
1618	Phase plane Stäckel potential dynamics of the Manakov system. 1998 , 58, 1112-1124	7
1617	Self-induced transparency solitary waves in a doped nonlinear photonic band gap material. 1998 , 58, 3876-3895	56
1616	Stability criterion of coupled soliton states. 1998 , 57, 3542-3550	18
1615	Modulating properties of harmonic breather solutions of KdV. 1998 , 31, 5117-5128	9
1614	System impact of fiber parametric gain in long-haul optical links.	
1613	High-spatial-resolution soliton DOFS for smart structures. 1998 ,	

1612 Optical Amplifiers. **1999**,

1611 On the Different Types of Superposed Solitonic Solutions In a Birefringent Optical Fibre. **1999**, 60, 351-355

1610 Multiscale analysis of discrete nonlinear evolution equations. **1999**, 32, 2845-2869 35

1609 Simultaneous propagation of N -solitons in a fibre medium with all higher-order effects. **1999**, 32, 7031-7037 8

1608 Nonlinear Effects in Optical Fiber Transmission System. **1999**, 16, 461-479 4

1607 Complete integrability of N -coupled higher-order nonlinear Schrödinger equations in nonlinear optics. **1999**, 32, 8731-8737 11

1606 Optical Solitons in Fibers. **1999**, 303-435

1605 Superfluid flow past an array of scatterers. **1999**, 60, 13139-13151 9

1604 Multisoliton perturbation theory for the Manakov equations and its applications to nonlinear optics. **1999**, 59, 2393-2405 76

1603 Multicomponent photorefractive cnoidal waves: stability, localization, and soliton asymptotics. **1999**, 60, 1009-18 55

1602 Fast algorithm for studying the evolution of optical solitons under perturbations. **1999**, 35, 1558-1561 4

1601 Imperfect nonlinear optical fiber-propagation characteristic.

1600 V The Optical Kerr Effect and Quantum Optics in Fibers. **1999**, 373-469 23

1599 Bragg solitons and the nonlinear Schrödinger equation. **1999**, 59, 1267-1269 26

1598 Soliton generation in optical fibers for a dual-frequency input. **1999**, 60, 4868-76 15

1597 Hamiltonian formalism for the nonlinear Schrödinger equation in physical spacetime. **1999**, 40, 2933-2948 1

1596 Existence of optical solitons on wavelength division multiplexed beams in a nonlinear fiber. **1999**, 60, 2306-8 15

1595 Near-resonant topographically forced envelope Rossby solitons in a barotropic flow. **1999**, 90, 161-188 4

1594	SUPPRESSION OF SOLITON INSTABILITY BY HIGHER ORDER NONLINEARITY IN LONG HAUL OPTICAL COMMUNICATION SYSTEMS. 1999 , 08, 497-502	20
1593	A Direct Perturbation Method: Nonlinear Schrödinger Equation with Loss. 1999 , 16, 659-661	32
1592	Bright solitons of generalized nonlinear Schrödinger equation. 1999 , 172, 325-333	4
1591	Integrable coupling of optical waves in higher-order nonlinear Schrödinger equations. 1999 , 263, 91-97	14
1590	Optic-fiber communications: Nonlinear-transformation group. 1999 , 41, 830-834	2
1589	On propagation of short pulses in strong dispersion managed optical lines. 1999 , 70, 578-582	21
1588	Do envelope solitons radiate?. 1999 , 36, 41-56	1
1587	Solitons and symmetries. 1999 , 36, 1-91	6
1586	Application of multiple-length-scale methods to the study of optical fiber transmission. 1999 , 36, 113-136	43
1585	Modulation instability of soliton trains in fiber communication systems. 1999 , 120, 997-1008	6
1584	Novel solitons in parametric amplifiers and atom lasers. 1999 , 1, 387-395	19
1583	Optical Spatial Solitons and Their Interactions: Universality and Diversity. 1999 , 286, 1518-1523	848
1582	Power dependent velocities of microwave envelope solitons. 1999 ,	
1581	Modeling of the power-dependent velocity of microwave magnetic envelope solitons in thin films. 1999 , 85, 8307-8311	6
1580	Power dependent velocities of microwave envelope solitons [in YIG films]. 1999 , 35, 3169-3171	1
1579	Propagation of chirped ultra-short optical pulses.	0
1578	Phase Defects in Self-Focusing of Ultrashort Pulses. 1999 , 83, 540-543	12
1577	Pedestal suppression from compressed femtosecond pulses using a nonlinear fiber loop mirror. 1999 , 35, 867-874	45

1576	Solitary-Wave Solutions of the Benjamin Equation. 1999 , 59, 2139-2161	39
1575	Optical Solitary Wave and Shock Solutions of the Higher Order Nonlinear Schrödinger Equation. 1999 , 82, 723-726	34
1574	Theoretical study on the actively mode-locked fiber laser with the q-parameter and the ABCD law. 1999 , 11, 1590-1592	4
1573	Quantum theory of a second-order soliton based on a linearization approximation. 1999 , 16, 1269	6
1572	Observation of chirped soliton dynamics at $\lambda = 1.55$ microm in a single-mode optical fiber with frequency-resolved optical gating. 1999 , 24, 1392-4	22
1571	Semiclassical Solutions of the Nonlinear Schrödinger Equation. 1999 , 6, 127	1
1570	Black optical solitons for media with parabolic nonlinearity law in the presence of fourth order dispersion. 2000 , 178, 457-460	85
1569	Dissipative dynamics of an open Bose Einstein condensate. 2000 , 179, 149-156	11
1568	Unperturbed and perturbed nonlinear Schrödinger system for optical fiber solitons. 2000 , 266, 173-182	2
1567	Shaping and propagation of the first-order guiding-center solitons inherent in solutions of the complex Landau-Ginzburg equation. 2000 , 26, 620-622	2
1566	Soliton management in the nonlinear Schrödinger equation model with varying dispersion, nonlinearity, and gain. 2000 , 72, 89-92	142
1565	Vortices and Solitons in Bose-Condensates. 2000 , 14, 189-230	3
1564	VORTICES AND SOLITONS IN BOSE-CONDENSATES. 2000 ,	
1563	Moment analysis of paraxial propagation in a nonlinear graded index fibre. 2000 , 2, 353-358	25
1562	Non-existence of dark solitons in a nonlinear Schrödinger-Maxwell-Bloch fibre system. 2000 , 33, 7007-7011	3
1561	On the integrability of the extended nonlinear Schrödinger equation and the coupled extended nonlinear Schrödinger equations. 2000 , 33, 3947-3949	7
1560	Quantum gap soliton in parametric process. 2000 , 9, 131-137	
1559	Dark-soliton states of Bose-Einstein condensates in anisotropic traps. 2000 , 62,	188

1558	Soliton interactions in perturbed nonlinear Schrödinger equations. 2000 , 61, 7121-33	9
1557	Optical solitons in some SIT type equations. 2000 , 47, 1635-1644	14
1556	Exact soliton solutions for a family of N coupled nonlinear Schrodinger equations in optical fiber media. 2000 , 62, 1313-21	54
1555	Multisoliton solutions and integrability aspects of coupled higher-order nonlinear Schrodinger equations. 2000 , 62, 8719-25	22
1554	Short optical solitons in fibers. 2000 , 10, 551-558	32
1553	Two-dimensional optical spatiotemporal solitons in quadratic media. 2000 , 62, 1328-40	94
1552	Polarization locked vector solitons and axis instability in optical fiber. 2000 , 10, 613-624	14
1551	Optical solitons in erbium-doped fibres with higher-order effects and pumping. 2000 , 33, 4377-4381	21
1550	Nonlinear principal states of polarization in optical fibers with randomly varying birefringence. 2000 , 17, 169	11
1549	Polarization-locked temporal vector solitons in a fiber laser: experiment. 2000 , 17, 354	99
1548	Dispersion Managed Solitons: The Key to Terabit Per Second Optical Fiber Communication Systems. 2000 , 11, 35	3
1547	Special foundation lecture: A personal view. 2000 , 47, 2029-2065	5
1546	Self-compression of high-intensity femtosecond optical pulses and spatiotemporal soliton generation. 2000 , 84, 3847-50	95
1545	Ultrahigh-speed long-distance TDM and WDM soliton transmission technologies. 2000 , 6, 363-396	69
1544	Soliton-based optical communications: an overview. 2000 , 6, 1161-1172	57
1543	Solitons for breaking barriers to terabit/second WDM and OTDM transmission in the next millennium. 2000 , 6, 1332-1343	20
1542	Optical spatial solitons: historical perspectives. 2000 , 6, 1419-1427	142
1541	Stability and Evolution of Solitary Waves in Perturbed Generalized Nonlinear Schrödinger Equations. 2000 , 60, 967-989	60

1540	The Mechanism of the Polarizational Mode Instability in Birefringent Fiber Optics. 2000 , 31, 1351-1373	20
1539	Diffraction management. 2000 , 85, 1863-6	422
1538	Novel soliton solutions of the nonlinear Schrodinger equation model. 2000 , 85, 4502-5	558
1537	New types of solitary wave solutions for the higher order nonlinear Schrodinger equation. 2000 , 84, 4096-9	189
1536	An historical review of application of optical solitons for high speed communications. 2000 , 10, 475-485	36
1535	Self-focusing and defocusing in waveguide arrays. 2001 , 86, 3296-9	177
1534	The dispersion-managed soliton as a ground state of a macroscopic nonlinear quantum oscillator. 2001 , 457, 273-282	4
1533	Propagation of cnoidal waves in a medium with a saturable nonlinear response. 2001 , 31, 257-262	13
1532	Adaptive control of femtosecond pulse propagation in optical fibers. 2001 , 26, 938-40	37
1531	Information transfer via cascaded collisions of vector solitons. 2001 , 26, 1498-500	56
1530	Ultrafast optical pulse compression using a semiconductor nonlinear Bragg reflector.	
1529	Kerr spatiotemporal self-focusing in a planar glass waveguide. 2001 , 87, 043902	81
1528	Analysis of Timing Jitter for Ultrashort Soliton Communication Systems Using Perturbation Methods. 2001 , 8, 112	7
1527	Formation of vortex soliton from pulse in optical fiber. 2001 ,	
1526	BRIGHT AND DARK SOLITARY WAVES IN KERR MEDIUM WITH HIGHER ORDER LINEAR AND NONLINEAR DISPERSIONS. 2001 , 10, 223-231	
1525	A Coupled Higher-Order Nonlinear Schrödinger Equation Including Higher-Order Bright and Dark Solitons. 2001 , 23, 9-15	5
1524	Completely integrable models of nonlinear optics. 2001 , 57, 953-968	10
1523	Stable complex solitary waves of Sasa Satsuma equation. 2001 , 57, 981-985	5

1522	Soliton models in resonant and nonresonant optical fibers. 2001 , 57, 1003-1039	23
1521	Spatiotemporal solitons in quadratic nonlinear media. 2001 , 57, 1129-1138	7
1520	Traveling hole solutions of the complex Ginzburg-Landau equation: a review. 2001 , 152-153, 269-287	37
1519	Nonlinear energy transmission in the gap. 2001 , 283, 129-135	23
1518	The cancellation of nonlinear and dispersive phase components on the fundamental optical fiber soliton: a pedagogical note. 2001 , 193, 253-259	9
1517	Integrability aspects of NLSMB system with variable dispersion and nonlinear effects. 2001 , 12, 1137-1143	16
1516	Optical soliton with damping and frequency chirping in fibre media. 2001 , 12, 2569-2575	28
1515	Split-step-Gauss-Hermite algorithm for fast and accurate simulation of soliton propagation. 2001 , 14, 325-329	3
1514	Nondestructive determination of the longitudinal chromatic dispersion distribution along an optical fiber. 2001 , 30, 312-314	
1513	Effect of higher order nonlinear dispersion on ultrashort pulse evolution in a fiber laser. 2001 , 28, 196-198	3
1512	Dark soliton solutions of the coupled Hirota equation in nonlinear fiber. 2001 , 286, 321-331	45
1511	Influence of FWM dynamics on modulational instability in dispersion shifted fibers.	
1510	Shock formation in magnetic thin films. 2001 , 37, 2460-2462	
1509	Optical solitons in a new type of coupled nonlinear Schrödinger equations. 2001 , 48, 1863-1867	10
1508	Higher Order Nonlinear Effect and Limitation of Soliton Propagation in Dispersive-Nonlinear Medium for Dispersion-Shifted Fiber. 2001 , 20, 197-206	
1507	Non-Lagrangian collective variable approach for optical solitons in fibres. 2001 , 34, 129-136	17
1506	GAUSSIAN BEAM PROPAGATION IN d-DIMENSIONAL CUBIC-QUINTIC NONLINEAR MEDIUM. 2001 , 10, 79-111	4
1505	Mathematical frontiers in optical solitons. 2001 , 98, 12872-3	14

1504	AN ALTERNATIVE SET OF BRIGHT AND DARK SOLITON SOLUTIONS OF THE NONLINEAR SCHRÖDINGER EQUATION. 2001 , 10, 403-407	1
1503	Light bullet formation in a cubic-quintic nonlinear medium. 2001 , 48, 865-875	11
1502	An exact soliton solution for an averaged dispersion-managed fibre system equation. 2001 , 34, 5111-5115	24
1501	Self-consistent simulation studying environment for the design of high-speed optical communication lines. 2001 ,	
1500	Modulational Instability in Some Physical Systems. 2001 , 64, 410-412	11
1499	Exact dark soliton solutions for a family of N coupled nonlinear Schrödinger equations in optical fiber media. 2001 , 64, 046611	39
1498	Conformal symmetry and the nonlinear Schrödinger equation. 2001 , 65,	29
1497	Ultrahigh-speed optical communications. 2001 , 8, 1763-1773	7
1496	Multisoliton formation in magnetic thin films. 2001 , 65,	11
1495	Radiative losses due to pulse interactions in birefringent nonlinear optical fibers. 2001 , 63, 036614	14
1494	Propagation of dark solitons with higher-order effects in optical fibers. 2001 , 64, 046608	73
1493	Collective variable theory for optical solitons in fibers. 2001 , 64, 016608	69
1492	Coherent interaction effects in pulses propagating through a doped nonlinear dispersive medium. 2002 , 65, 036617	6
1491	Gray optical dips in the subpicosecond regime. 2002 , 66, 046616	30
1490	Energy transmission in the forbidden band gap of a nonlinear chain. 2002 , 89, 134102	141
1489	Nonlinear wave Packets of Equatorial Kelvin Waves. 2002 , 96, 357-379	8
1488	DARK SOLITONS IN OPTICAL FIBERS WITH HIGHER ORDER EFFECTS. 2002 , 11, 197-204	1
1487	AN EXPLICIT CALCULATION OF THE DISPERSIVE AND NONLINEAR FREQUENCY CHIRPS FOR FEMTOSECOND OPTICAL PULSES OF THE HIGH DISPERSIVE CUBIC AND CUBICQUINTIC NONLINEAR SCHRÖDINGER EQUATIONS. 2002 , 11, 143-152	

1486	A VARIATIONAL APPROACH IN THE DISSIPATIVE CUBIC-QUINTIC NONLINEAR SCHRÖDINGER EQUATION. 2002 , 16, 27-32	6
1485	Generation of ultra-intense single-cycle laser pulses by using photon deceleration. 2002 , 99, 29-32	53
1484	Soliton solutions for integrable equations in nonlinear optics: Bäcklund transformation approach. 2002 , 15, 1747-1753	8
1483	Soliton effects in optical waveguides. 2002 , 65, 999-1024	8
1482	Phase Modulated Dark Solitons. 2002 , 65, 164-166	2
1481	Soliton generation from a multi-frequency optical signal. 2002 , 4, R53-R68	10
1480	Study of a Coupled and High-Order Nonlinear Schrödinger Hierarchy and a New HNLS Equation. 2002 , 65, 336-339	2
1479	Femtosecond pulses in optical fibers. 2002 , 44, 85-141	
1478	Dissipative Dynamics Of An Open Bose-Einstein Condensate. 2002 , 187-200	
1477	Simultaneous propagation of N dark solitons in optical fibres with higher order linear and nonlinear effects. 2002 , 49, 1169-1174	
1476	Applications of Solitons. 2002 , 1741-1753	2
1475	Clustering of solitons in weakly correlated wavefronts. 2002 , 99, 5223-7	30
1474	Dispersion-Managed Solitons and Chirped Return to Zero. 2002 , 305-328	6
1473	Numerical study of 40-Gbit/s optical soliton transmission system employing all optically regenerative repeater using properly designed nonlinear optical loop mirror. 2002 , 4906, 200	
1472	Analysis of the Split-Step Fourier Algorithm for the Solution of Parabolic Wave Equations. 2002 , 75-89	1
1471	Sub-Cycle Pulses and Field Solitons: Near- and Sub-Femtosecond Em-Bubbles. 2002 , 291-317	
1470	Preface. 2002 , xv-xvi	
1469	General Introduction and Outline. 2002 , 1-16	

- 1468 Pseudospherical Surfaces and the Classical Bäcklund Transformation. The Bianchi System. **2002**, 17-59
- 1467 The Motion of Curves and Surfaces. Soliton Connections. **2002**, 60-87
- 1466 Tzitzeica Surfaces. Conjugate Nets and the Toda Lattice Scheme. **2002**, 88-118
- 1465 Hasimoto Surfaces and the Nonlinear Schrödinger Equation. Geometry and Associated Soliton Equations. **2002**, 119-151
- 1464 Isothermic Surfaces. The Calapso and Zoomeron Equations. **2002**, 152-203
- 1463 General Aspects of Soliton Surfaces. Role of Gauge and Reciprocal Transformations. **2002**, 204-265
- 1462 Bäcklund Transformation and Darboux Matrix Connections. **2002**, 266-296
- 1461 Bianchi and Ernst Systems. Bäcklund Transformations and Permutability Theorems. **2002**, 297-328
- 1460 Projective-Minimal and Isothermal-Asymptotic Surfaces. **2002**, 329-370
- 1459 The $su(2) \otimes o(3)$ Isomorphism. **2002**, 371-373
- 1458 CC-Ideals. **2002**, 374-379
- 1457 Biographies. **2002**, 380-382
- 1456 Bibliography and Author Index. **2002**, 383-402
- 1455 Performance improvement of 40 Gbit/s optical soliton transmission system by employing all-optically regenerative repeater using nonlinear optical loop mirror. 2
- 1454 Nonlinear dynamics of mode-locking optical fiber ring lasers. **2002**, 19, 1045 39
- 1453 Stopping light on a defect. **2002**, 19, 1635 72
- 1452 Pinning method of pulse confinement in optical fiber with random dispersion. **2002**, 19, 2538 15
- 1451 Propagation of dark solitons in a system of coupled higher-order nonlinear Schrödinger equations. **2002**, 35, 3099-3109 22

1450	Spatial Solitons in Quadratic Nonlinear Media. 2002 , 229-258	2
1449	Adaptive control methods for ultrafast pulse propagation in optical fibers. 2002 , 8, 690-698	10
1448	Bright and dark optical solitons in fiber media with higher-order effects. 2002 , 13, 673-679	31
1447	Complex solitary waves from one-soliton solution. 2002 , 13, 1115-1119	0
1446	Simultaneous propagation of many electromagnetic signals without loss in a ferromagnetic medium. 2002 , 295, 259-266	8
1445	Stable propagation of ultrashort optical pulses in modified higher-order nonlinear Schroedinger equation. 2002 , 205, 221-226	4
1444	Stabilization of dispersion-managed solitons in random optical fibers by strong dispersion management. 2002 , 206, 411-438	16
1443	Soliton interaction under the influence of higher-order effects. 2002 , 210, 375-384	56
1442	The theory of optical communication lines with a short-scale dispersion management. 2002 , 94, 892-900	2
1441	Soliton formation from a gaussian pulse in an optical fiber. 2002 , 47, 713-719	2
1440	Evolution of polarization of a nonlinear pulse in birefringent fiber with quintic effects. 2002 , 301, 433-441	3
1439	On the Evolution and Interaction of Dispersion-Managed Solitons. 2000 , 75-114	2
1438	Exactly integrable nonlinear Schrodinger equation models with varying dispersion, nonlinearity and gain: application for soliton dispersion. 2002 , 8, 418-431	242
1437	Femtosecond soliton propagating in slow group-velocity fiber. 2003 , 114, 53-57	4
1436	Generation of megawatt optical solitons in hollow-core photonic band-gap fibers. 2003 , 301, 1702-4	366
1435	Non-linear propagation of laser beam and focusing due to self-action in optical fiber: Non-paraxial approach. 2003 , 61, 693-706	1
1434	Ultra-fast saturable absorber through spatial self-trapping and filtering in Ti:PPLN film waveguides. 2003 , 77, 571-576	1
1433	An integrable model for stable:unstable wave coupling phenomena. 2003 , 178, 173-189	15

1432	Chiral effects on optical solitons. 2003 , 62, 149-161	8
1431	Subpicosecond pulse propagation in optical fibres with transverse and longitudinal inhomogeneities. 2003 , 17, 297-304	1
1430	Physics and mathematics of dispersion-managed optical solitons. 2003 , 4, 145-161	62
1429	Transformation and control of ultra-short pulses in dispersion-engineered photonic crystal fibres. 2003 , 424, 511-5	312
1428	Optical pulse shaping approaches to coherent control. 2003 , 374, 385-481	204
1427	Optimization of the split-step Fourier method in modeling optical-fiber communications systems. 2003 , 21, 61-68	301
1426	Stable soliton in the fiber-optic system with self-frequency shift. 2003 , 20, 59	8
1425	Dynamics of nonlinear pulse propagation through a fiber Bragg grating with linear coupling. 2003 , 20, 366	8
1424	Discrete orthogonal Gauss-Hermite transform for optical pulse propagation analysis. 2003 , 20, 1508	6
1423	Modulation instability and solitons on a cw background in an optical fiber with higher-order effects. 2003 , 67, 026603	52
1422	Alternative coupled integrable optical soliton system with higher-order effects. 2003 , 68, 066607	7
1421	Mean-field model of interaction between bright vortex solitons in Bose-Einstein condensates. 2003 , 5, 137-137	41
1420	Soliton transmission simulations in long optical fibers hybrid lines with distributed Raman amplification.	
1419	Temporal Solitons. 2003 , 63-103	5
1418	Numerical study of soliton scattering in inhomogeneous optical fibers. 2003 , 68, 026603	7
1417	Dark and gray strong dispersion-managed solitons. 2003 , 67, 025601	27
1416	SOLITON PROPAGATION IN NONUNIFORM OPTICAL FIBERS. 2003 , 12, 341-348	4
1415	The Study of Exact Solutions to the Nonlinear Schrödinger Equations in Optical Fiber. 2003 , 72, 1350-1355	14

1414	Quantum Optics. 2003 ,	
1413	Collective Phenomena in Solids. 2003 ,	
1412	Introduction. 2003 , 1-30	3
1411	Fiber Optics. 2004 ,	
1410	Formation of Optical Solitons in Nonlinear Photonic Crystal Waveguides. 2004 , 21, 1762-1765	4
1409	Dynamics of the formation of bright solitary waves of Bose-Einstein condensates in optical lattices. 2004 , 69,	5
1408	Perturbation theory for dark solitons: inverse scattering transform approach and radiative effects. 2004 , 70, 066620	19
1407	Efficient control of the energy exchange due to the Manakov vector-soliton collision. 2004 , 69, 046607	36
1406	Timing jitter of femtosecond solitons in single-mode optical fibers: a perturbation model. 2004 , 69, 046602	19
1405	Stabilization of a light bullet in a layered Kerr medium with sign-changing nonlinearity. 2004 , 70, 036608	21
1404	The Nonlinear Schrödinger Equation: Self-Focusing and Wave Collapse. 2004 ,	18
1403	Step wise algorithm for simulating wave propagation in bright solitons.	
1402	Third-order intermodulation products generated on transmission through nonlinear radio-on-fibre link. 2004 , 40, 1290	3
1401	Optical solitons and quantum solitons. 2004 , 6, S205-S216	6
1400	Double Humped Grey and Black Solitons in Kerr Nonlinear Media. 2004 , 36, 699-708	0
1399	Interaction of nonlinearity and polarization mode dispersion. 2004 , 1, 305-311	3
1398	Non-linear polarization and chiral effects in birefringent solitons. 2004 , 62, 37-52	5
1397	Chirped optical pulse propagation in saturating nonlinear media. 2004 , 36, 905-918	10

1396	Soliton states of n-coupled Korteweg-de Vries equations. 2004 , 232, 429-437	2
1395	Linear and nonlinear propagation of sinh-Gaussian pulses in dispersive media possessing Kerr nonlinearity. 2004 , 236, 7-20	42
1394	Stability analysis and interaction of chirped femtosecond soliton-like laser pulses. 2004 , 241, 185-194	5
1393	Dark soliton solution for higher-order nonlinear Schrödinger equation with variable coefficients. 2004 , 242, 285-293	65
1392	Effect of polarization mode dispersion in optical soliton transmission in fibers. 2004 , 188, 241-246	12
1391	Numerical study of the soliton waves of the coupled nonlinear Schrödinger system. 2004 , 196, 311-328	41
1390	On a new approach to generate spatial optical soliton in dielectric fibers. 2004 , 323, 57-62	
1389	Modulation instability and solitons on a cw background in inhomogeneous optical fiber media. 2004 , 234, 169-176	91
1388	A new approach to exact soliton solutions and soliton interaction for the nonlinear Schrödinger equation with variable coefficients. 2004 , 236, 79-86	118
1387	Multiple-Pole soliton interactions in optical fibres with higher-order effects. 2004 , 51, 455-460	6
1386	Stabilization of bright solitons and vortex solitons in a trapless three-dimensional Bose-Einstein condensate by temporal modulation of the scattering length. 2004 , 69,	100
1385	Quantum theory of fibre Bragg grating solitons. 2004 , 6, S638-S644	3
1384	Vectorial spatial solitons in bulk periodic quadratically nonlinear media. 2004 , 6, S351-S360	5
1383	Modulational instability and exact solutions of the modified quintic complex Ginzburg-Landau equation. 2004 , 37, 1727-1735	11
1382	Inverse scattering approach to coupled higher-order nonlinear Schrödinger equation and N-soliton solutions. 2004 , 679, 647-659	14
1381	Properties of soliton solutions on a cw background in optical fibers with higher-order effects. 2004 , 21, 2089	29
1380	Effective field theory for the nonlinear optical properties of photonic crystals. 2004 , 69, 016604	33
1379	Asymmetric Envelope and Hole Solitons in a Monoatomic Chain with Kac-Baker-like Long-Range Interaction Potential. 2004 , 73, 123-129	12

1378	Optical Communications. 2004,	1
1377	Supercontinuum sources. 2005, 5825, 214	1
1376	Modulational instability and localized excitations involving two nonlinearly coupled upper-hybrid waves in plasmas. 2005, 7, 153-153	9
1375	An adaptive spherical Fourier Bessel split-step method for tracking optical bullets. 2005,	
1374	Mode-Locking of Fiber Lasers via Nonlinear Mode-Coupling. 241-265	4
1373	Dispersion-managed solitons in the cubic complex Ginzburg-Landau equation as perturbations of nonlinear Schrödinger equation. 2005, 252, 138-149	13
1372	Variable-coefficient F-expansion method and its application to nonlinear Schrödinger equation. 2005, 252, 408-421	71
1371	Exact gray multi-soliton solutions for nonlinear Schrödinger equation with variable coefficients. 2005, 253, 177-185	34
1370	Soliton broadening under random dispersion fluctuations: Importance sampling based on low-dimensional reductions. 2005, 256, 439-450	10
1369	Symbolic-computation study of the perturbed nonlinear Schrödinger model in inhomogeneous optical fibers. 2005, 342, 228-236	167
1368	A new way to exact quasi-soliton solutions and soliton interaction for the cubic-quintic nonlinear Schrödinger equation with variable coefficients. 2005, 245, 383-390	48
1367	Optical quasi-soliton solutions for higher-order nonlinear Schrödinger equation with variable coefficients. 2005, 248, 257-265	33
1366	Optical nonlinearities in fibers: review, recent examples, and systems applications. 2005, 23, 3625-3641	89
1365	All-optical analog-to-digital conversion based on fiber nonlinearity. 2005, 88, 53-62	2
1364	Fulfilling causality: two numerical techniques for accurately computing the propagation of independent laser beams through a nonlinear medium. 2005, 81, 975-981	
1363	Local spectral time splitting method for first- and second-order partial differential equations. 2005, 206, 727-780	32
1362	Higher-Order Effects Induced Optical Solitons in Fiber. 2005, 44, 1117-1121	2
1361	Nonlinear Propagation Theory for Few-to-Mono Optical-Cycle Pulses beyond the Slowly-Varying-Envelope Approximation (SVEA). 2005, 1-65	

- 1360 Interaction of nonlinearity and polarization mode dispersion. **2004**, 126-132
- 1359 Exact analytical solutions to the nonlinear Schrödinger equation model. **2005**, 2
- 1358 Soliton Solutions and Soliton Interactions for the Coupled Nonlinear Schrödinger Equation with Varying Coefficients. **2005**, 72, 394-398 19
- 1357 Dynamics of Spatial Dark Solitons Trapped in the Media with Gain and TPA. **2005**, 22, 2578-2581 2
- 1356 Polarization Mode Dispersion. **2005**, 28
- 1355 Slow Group-Velocity Femtosecond Solitons in Dispersion Flattened Fiber. **2005**, 44, 7962-7965
- 1354 A Modified Stability Criterion for Envelope Equations. **2005**, 71, 238-240 5
- 1353 Soliton Pulse Propagation in Averaged Dispersion-managed Optical Fiber System. **2005**, 74, 1449-1456 25
- 1352 Bound states of attractive Bose-Einstein condensates in shallow traps in two and three dimensions. **2005**, 38, 579-591 11
- 1351 Gauge transformation of the third kind for $U(1)$ -invariant coupled Schrödinger equations. **2005**, 38, 7037-7050 2
- 1350 The application of the extending symmetry group approach in optical soliton communication. **2005**, 38, 3995-4008 3
- 1349 Phase-Modulated Optical Communication Systems. **2005**,
- 1348 Davey-Stewartson description of two-dimensional nonlinear excitations in Bose-Einstein condensates. **2005**, 72, 036621 33
- 1347 Radiating and nonradiating behavior of hyperbolic-secant, raised-cosine, and Gaussian input light pulses in dispersion-managed fiber systems. **2005**, 72, 036613 10
- 1346 Dynamics of periodic pulse collisions in a strongly dissipative-dispersive system. **2005**, 94, 203903 21
- 1345 Generation, compression, and propagation of pulse trains in the nonlinear Schrödinger equation with distributed coefficients. **2005**, 72, 036614 54
- 1344 BACK MATTER. **2005**, 1043-I-6
- 1343 Chains of temporal dark solitons in dispersion-managed fiber. **2005**, 72, 066616 9

1342	Stabilization of a (3+1)-dimensional soliton in a Kerr medium by a rapidly oscillating dispersion coefficient. 2005 , 71, 016611	29
1341	Imperfect mitigation of dispersion induced power penalty in high power single-sideband modulated radio-on-fiber links.	
1340	Parametric light bullets supported by quasi-phase-matched quadratically nonlinear crystals. 2005 , 71, 036615	2
1339	OPTICAL QUASI-SOLITON SOLUTIONS FOR THE CUBIC-QUINTIC NONLINEAR SCHRÖDINGER EQUATION WITH VARIABLE COEFFICIENTS. 2005 , 19, 4629-4636	8
1338	Nonlinear Partial Differential Equations for Scientists and Engineers. 2005 ,	58
1337	Optical solitons in random media. 2005 , 35-106	9
1336	Fermi-Pasta-Ulam, solitons and the fabric of nonlinear and computational science: history, synergetics, and visiometrics. 2005 , 15, 15102	49
1335	Optical Solitons in Fibers for Communication Systems. 2005 , 24, 287-313	23
1334	Dynamics of nonlinearly coupled magnetic-field-aligned electromagnetic electron-cyclotron waves near the zero-group-dispersion point in magnetized plasmas. 2005 , 12, 082303	6
1333	Statistical description of short pulses in long optical fibers: effects of nonlocality. 2005 , 30, 2548-50	2
1332	Soliton Dynamics in Mode-Locked Lasers. 183-206	7
1331	Temporal Multi-Soliton Complexes Generated by Passively Mode-Locked Lasers. 2005 , 207-239	6
1330	Femtosecond Combs for Precision Metrology. 2005 , 87-108	2
1329	Spatiotemporal optical solitons. 2005 , 7, R53-R72	657
1328	Vector-soliton collision dynamics in nonlinear optical fibers. 2005 , 71, 056605	22
1327	Dynamics of Nonlinear and Dispersion Managed Solitons. 2005 , 94,	20
1326	Introduction. 2006 , 1-24	5
1325	Optical Solitons. 2006 , 120-176	5

1324	Photorefractive Materials and Their Applications 1. 2006,	84
1323	Mode-Locked Soliton Lasers. 2006, 48, 629-678	135
1322	Novel technique for volatile optical memory using solitons. 2006,	
1321	Modeling Compensation for Optical Fiber Communication Systems. 2006, 17, 738-775	0
1320	New solitons for the Hirota equation and generalized higher-order nonlinear Schrödinger equation with variable coefficients. 2006, 39, 723-737	74
1319	Soliton collisions with shape change by intensity redistribution in mixed coupled nonlinear Schrödinger equations. 2006, 73, 026604	137
1318	Analysis of Nonlinear Phenomena for Optical Soliton Transmission in DWDM Systems. 2006,	1
1317	Optical soliton propagation in erbium-doped fibre with variable dispersion and nonlinear effects. 2006, 53, 1619-1626	12
1316	Stable propagation of pulsed beams in Kerr focusing media with modulated dispersion. 2006, 23, 56	3
1315	Suppressing the frequency chirp in optical solitons using coherent effects. 2006, 23, 1655	4
1314	Ultrashort Pulse Propagation in Nonlinear Dispersive Fibers. 2006, 91-116	
1313	Nonlinear Schrödinger Equations. 2006, 552-560	2
1312	Pulse Shaping. 2006, 433-456	1
1311	. 2006,	39
1310	Spatial solitons in media with slow nonlinearity. 2006,	
1309	Optical Fibers. 2006, 12-1-12-21	
1308	Optical Communications. 2006, 20-1-20-149	
1307	The modified propagation equation for TM polarized subwavelength spatial solitons in a nonlinear planar waveguide. 2006, 117, 489-491	1

1306	Cascade compression induced by nonlinear barriers in propagation of optical solitons. 2006 , 260, 282-287	44
1305	Singularity analysis and integrability for a HNLS equation governing pulse propagation in a generic fiber optics. 2006 , 262, 250-256	29
1304	Generation, compression and propagation of pulse trains under higher-order effects. 2006 , 263, 328-336	49
1303	Simulations of rare events in fiber optics by interacting particle systems. 2006 , 267, 205-214	7
1302	Compression of Hermite-Gaussian pulses in an engineered optical fiber absorber with varying dispersion and nonlinearity. 2006 , 353, 493-496	8
1301	Accuracy of the split-step wavelet method using various wavelet families in simulating optical pulse propagation. 2006 , 343, 458-467	6
1300	Solitary wave interaction and evolution for a higher-order Hirota equation. 2006 , 44, 92-106	21
1299	Self-compression by femtosecond pulse filamentation: experiments versus numerical simulations. 2006 , 74, 056604	116
1298	Amplitude fluctuations and femtosecond pulse train noise in fibers. 2006 , 16, 507-510	2
1297	Modulational instability in asymmetric coupled wave functions. 2006 , 50, 321-325	8
1296	Supercontinuum generation in photonic crystal fiber. 2006 , 78, 1135-1184	2655
1295	Application of variational calculus to propagation of coupled pulses in optical fibers. 2006 , 56, 217-228	2
1294	Two-bit all-optical analog-to-digital conversion by filtering broadened and split spectrum induced by soliton effect or self-phase modulation in fiber. 2006 , 12, 307-314	35
1293	Electrical soliton oscillator. 2006 , 54, 373-382	54
1292	Exact Solutions to Extended Nonlinear Schrödinger Equation in Monomode Optical Fiber. 2006 , 45, 131-134	11
1291	Soliton-like solutions for higher-order nonlinear Schrödinger equation in inhomogeneous optical fibre media. 2006 , 73, 56-61	5
1290	Special polynomials associated with rational solutions of the defocusing nonlinear Schrödinger equation and the fourth Painlevé equation. 2006 , 17, 293-322	20
1289	The p th-order periodic solutions for a family of N -coupled nonlinear Schrödinger equations. 2006 , 15, 2500-2505	4

- 1288 Optical Solitonlike Pulses for Nonlinear Schrödinger Equation with Variable Coefficients. **2006**, 25, 101-110
- 1287 Finite-time collapse of N classical fields described by coupled nonlinear Schrödinger equations. **2006**, 74, 047602 10
- 1286 Fiber Optics. **2006**,
- 1285 Optical Solitary Waves in Fourth-Order Dispersive Nonlinear Schrödinger Equation with Self-steepening and Self-frequency Shift. **2006**, 45, 721-726 19
- 1284 Solitons propagation in non-homogeneous periodic media by tandem arrangement of nonlinear materials. **2006**,
- 1283 Numerical Solutions Aspect of Nonlinear Schrodinger Equation in Monomode Optical Fiber. 1
- 1282 MULTI-SOLITON PROPAGATION IN AN INHOMOGENEOUS OPTIC FIBER MEDIUM WITH VARYING DISPERSION. **2006**, 15, 415-429 6
- 1281 Variable-Coefficient Mapping Method Based on Elliptical Equation and Exact Solutions to Nonlinear Schrödinger Equations with Variable Coefficient. **2006**, 46, 656-662 4
- 1280 Solitary Waves for Cubic-Quintic Nonlinear Schrödinger Equation with Variable Coefficients. **2006**, 45, 343-346 5
- 1279 Coherent Analysis for Electromagnetic Solitons in PBG Structure of Square Lattice. **2006**, 20, 1903-1910 5
- 1278 Dynamically Stable Super Gaussian Solitons in Semiconductor Doped Glass Fibers. **2006**, 20, 901-912 12
- 1277 OPTICAL SOLITARY WAVE SOLUTIONS FOR THE FOURTH-ORDER DISPERSIVE CUBIC-QUINTIC NONLINEAR SCHRÖDINGER EQUATION. **2007**, 21, 2657-2668 3
- 1276 OPTICAL SOLITARY WAVES FOR THE GENERALIZED HIGHER-ORDER NONLINEAR SCHRÖDINGER EQUATION WITH VARIABLE COEFFICIENTS. **2007**, 21, 2951-2964 2
- 1275 Collision of orthogonally polarized solitons in photonic crystal fiber. **2007**,
- 1274 SUPERCONTINUUM CARS TWEEZERS. **2007**, 16, 457-470 5
- 1273 Modulational instability and exact solutions of the nonlinear Schrödinger equation coupled with the nonlinear Klein-Gordon equation. **2007**, 40, 3729-3740 9
- 1272 Supercontinuum generation in photonic crystal fibers using quasi-CW pumping. **2007**,
- 1271 Spatial solitons of desired intensity and width and their self-tapering/uptapering in cubic quintic nonlinear medium. **2007**, 76, 683-688 9

- 1270 Collision of orthogonally polarized solitons in photonic crystal fiber. **2007,**
- 1269 Optical soliton solutions for two coupled nonlinear Schrödinger systems via Darboux transformation. **2007, 76, 452-460** 70
- 1268 Exact analytical solutions for the variational equations derived from the nonlinear Schrödinger equation. **2007, 76, 026603** 4
- 1267 Soliton-like solutions of a generalized variable-coefficient higher order nonlinear Schrödinger equation from inhomogeneous optical fibers with symbolic computation. **2007, 40, 13299-13309** 32
- 1266 Solitary wave interaction for a higher-order nonlinear Schrödinger equation. **2007, 72, 206-222** 7
- 1265 Generation and propagation of subpicosecond pulse train. **2007, 16, 449-455** 2
- 1264 Exact solutions to the focusing nonlinear Schrödinger equation. **2007, 23, 2171-2195** 48
- 1263 Spatiotemporal Bessel beams. **2007,** 2
- 1262 High compression of similariton pulses under the influence of higher-order effects. **2007, 24, 833** 15
- 1261 Conversion of a chirped Gaussian pulse to a soliton or a bound multisoliton state in quasi-lossless and lossy optical fiber spans. **2007, 24, 1254** 13
- 1260 Bound soliton pairs in photonic crystal fiber. **2007, 15, 1653-62** 28
- 1259 Looking back and seeing the future: 35 years of optoelectronics. **2007, 1, 242-248**
- 1258 Laser communication transmitter and receiver design. **2007, 109-246** 12
- 1257 Wave Propagation and Time Reversal in Randomly Layered Media. **2007,**
- 1256 The Nonlinear Universe. **2007,**
- 1255 A brief historical introduction to solitons and the inverse scattering transform vision of Scott Russell. **2007, 38, 1003-1028** 3
- 1254 Interaction of Solitons in a Dispersion Managed Optical Communication System with Asymmetric Dispersion Map. **2007, 21, 2049-2058** 16
- 1253 Cutoff solitons and bistability of the discrete inductance-capacitance electrical line: theory and experiments. **2007, 75, 066604** 35

1252	Observation of temporal vector soliton propagation and collision in birefringent fiber. 2007 , 98, 053902	67
1251	Optical Communications. 2007 ,	
1250	Fiber Optics. 2007 ,	
1249	Cnoidal and solitary wave solutions of the coupled higher order nonlinear Schrödinger equation in nonlinear optics. 2007 , 31, 188-196	18
1248	Exact chirped gray soliton solutions of the nonlinear Schrödinger equation with variable coefficients. 2007 , 274, 223-230	25
1247	Interactions between neighboring combined solitary waves. 2007 , 276, 149-157	4
1246	Self-similarity in ultrafast nonlinear optics. 2007 , 3, 597-603	243
1245	Exact bright soliton solution for a family of coupled higher-order nonlinear Schrödinger equation in inhomogeneous optical fiber media. 2007 , 41, 171-177	17
1244	Intra-Channel Collision of Dual-Power Law Optical Solitons. 2007 , 46, 157-169	
1243	Laser communication transmitter and receiver design. 2007 , 4, 225-362	73
1242	Analytic representation of dynamical systems using pseudo-inverse methods. 2007 , 190, 73-91	2
1241	Collision of optical solitons with Kerr law nonlinearity. 2007 , 118, 243-248	1
1240	On the solution of the fractional nonlinear Schrödinger equation. 2008 , 372, 553-558	94
1239	Raman perturbation and surface core soliton in hollow photonic crystal fiber. 2008 , 372, 2391-2399	2
1238	Femtosecond Pulse Propagation in Optical Fibers Under Higher Order Effects: A Collective Variable Approach. 2008 , 47, 1699-1708	14
1237	Gauge Equivalence among Quantum Nonlinear Many Body Systems. 2008 , 102, 179-217	1
1236	The semiclassical modified nonlinear Schrödinger equation I: Modulation theory and spectral analysis. 2008 , 237, 947-997	14
1235	On a faster parallel implementation of the split-step Fourier method. 2008 , 34, 539-549	4

1234	Dark solitons in N-coupled higher order nonlinear Schrödinger equations. 2008 , 13, 1318-1328	11
1233	An energy-based computational method in the analysis of the transmission of energy in a chain of coupled oscillators. 2008 , 214, 393-405	25
1232	Thermo-refractive noise in run of Gauss pulse streams induced by pulse power fluctuation. 2008 , 14, 45-48	0
1231	A collective variable approach for optical solitons in the cubic-quintic complex Ginzburg-Landau equation with third-order dispersion. 2008 , 281, 2893-2906	18
1230	Generation and propagation of pulse trains with ultrashort pulse separation. 2008 , 281, 5898-5901	6
1229	Instability analysis of Gaussian beam propagation in a nonlinear refractive index medium. 2008 , 6,	
1228	Soliton Self-Frequency Shift: Experimental Demonstrations and Applications. 2008 , 14, 713-723	90
1227	Nonlinear Schrödinger equation with random Gaussian input: distribution of inverse scattering data and eigenvalues. 2008 , 78, 016603	6
1226	Fast-forward problem in quantum mechanics. 2008 , 78,	67
1225	Symmetrized Split-Step Fourier Scheme to Control Global Simulation Accuracy in Fiber-Optic Communication Systems. 2008 , 26, 302-316	39
1224	The Early Years of Fiber Nonlinear Optics. 2008 , 26, 1021-1031	34
1223	Anomalous pulse breakup in small-core photonic crystal fibers. 2008 , 25, 2049	14
1222	Nonlinear optics in hollow-core photonic bandgap fibers. 2008 , 16, 5035-47	44
1221	Formation of localized structures in the Peyrard-Bishop-Dauxois model. 2008 , 20, 415104	19
1220	Physical limitations effects on optical transmission systems. 2008 ,	
1219	. 2008 ,	
1218	Effects of chirp and noises on autocorrelation characteristics of hyperbolic secant pulse. 2008 ,	
1217	SYMBOLIC COMPUTATION STUDY OF BRIGHT SOLITONIC PULSES IN THE NORMAL DISPERSION REGION. 2008 , 17, 235-242	9

1216	Fiber-Optic Communications. 2008 , 301-348	1
1215	Ultra-short pulse propagation in birefringent fibers—the projection operator method. 2008 , 10, 085102	8
1214	Experimental generation of spatiotemporal Bessel-Gauss beams. 2008 ,	
1213	Explicit solutions of the cubic matrix nonlinear Schrödinger equation. 2008 , 24, 025020	12
1212	Analytic study on soliton-effect pulse compression in dispersion-shifted fibers with symbolic computation. 2008 , 55, 1331-1344	14
1211	Integrability of an N-coupled nonlinear Schrödinger system for polarized optical waves in an isotropic medium via symbolic computation. 2008 , 77, 026605	56
1210	Chirped chiral solitons in the nonlinear Schrödinger equation with self-steepening and self-frequency shift. 2008 , 78,	50
1209	ANALYTICAL SOLUTIONS FOR THE VARIATIONAL EQUATIONS DERIVED FOR THE NONLINEAR SCHRÖDINGER EQUATION: DISPERSION-MANAGED FIBER SYSTEM. 2008 , 17, 285-297	1
1208	Capacity limits of information transport in fiber-optic networks. 2008 , 101, 163901	157
1207	Exact solutions of a generalized nonlinear Schrödinger equation. 2008 , 78, 026602	21
1206	Soliton interaction in the higher-order nonlinear Schrödinger equation investigated with Hirota's bilinear method. 2008 , 77, 066605	75
1205	Localized nonlinear waves in systems with time- and space-modulated nonlinearities. 2008 , 100, 164102	225
1204	Ultrashort Optical Solitons in the Cubic-Quintic Complex Ginzburg-Landau Equation with Higher-Order Terms. 2008 , 77, 074401	10
1203	High power 29 W CW supercontinuum source. 2008 ,	
1202	SOLITON PARAMETER DYNAMICS IN A NON-KERR LAW MEDIA. 2008 , 1, 1-35	7
1201	. 2009 ,	191
1200	Localized Waves in Optical Systems with Periodic Dispersion and Nonlinearity Management. 2009 , 2009, 1-13	5
1199	Discrete family of dissipative soliton pairs in mode-locked fiber lasers. 2009 , 79,	42

1198	Exactly controllable transmission of nonautonomous optical solitons. 2009 , 79,	59
1197	Chapter 3 Photorefractive Solitons and Their Underlying Nonlocal Physics. 2009 , 153-200	27
1196	Soliton-like solutions of the coupled Hirota-Maxwell-Bloch system in optical fibers with symbolic computation. 2009 , 79, 065016	7
1195	EXACT DARK SOLITON SOLUTION OF THE GENERALIZED NONLINEAR SCHRÖDINGER EQUATION. 2009 , 23, 2869-2888	3
1194	Darboux Transformation and Soliton Solutions for Inhomogeneous Coupled Nonlinear Schrödinger Equations with Symbolic Computation. 2009 , 52, 888-896	3
1193	Full characterization of the photorefractive bright soliton formation process using a digital holographic technique. 2009 , 20, 045301	5
1192	References. 533-562	
1191	Are rogue waves robust against perturbations?. 2009 , 373, 3997-4000	166
1190	Temporal Solitons in Nonlinear Media Modeled by Modified Complex Ginzburg Landau Equation Under Collective Variable Approach. 2009 , 48, 1122-1131	16
1189	Dynamics of Lump Solutions in a 2 + 1 NLS Equation. 2009 , 122, 395-410	42
1188	Finite-Dimensional Integrable Hamiltonian Systems Related to the Nonlinear Schrödinger Equation. 2009 , 123, 311-335	15
1187	Nonautonomous solitons of Bose-Einstein condensation in a linear potential with an arbitrary time-dependence. 2009 , 282, 1676-1680	39
1186	Wavelength conversion based on degenerate-four-wave-mixing with continuous-wave pumping in silicon nanowire waveguide. 2009 , 282, 1659-1663	8
1185	Waves that appear from nowhere and disappear without a trace. 2009 , 373, 675-678	804
1184	Extreme waves that appear from nowhere: On the nature of rogue waves. 2009 , 373, 2137-2145	421
1183	Solitary wave solutions for high dispersive cubic-quintic nonlinear Schrödinger equation. 2009 , 39, 1304-1307	54
1182	Dispersion-managed electrical transmission lines. 2009 , 40, 1976-1990	1
1181	RETRACTED: An analytical approach to soliton of the saturable non-linear Schrödinger equation determination and consideration of stability of solitary solutions of cubic-quintic non-linear Schrödinger equation (CQNLSE). 2009 , 14, 2034-2045	11

1180	Transformation from the nonautonomous to standard NLS equations. 2009 , 53, 213-216	38
1179	Coupled nonlinear Schrödinger equations in optic fibers theory. 2009 , 173, 5-55	13
1178	Solitons and spectral renormalization methods in nonlinear optics. 2009 , 173, 147-166	15
1177	Wave Collapse in Nonlinear Optics. 2009 , 175-190	6
1176	Solitons propagation in a tandem arrangement of nonlinear materials. 2009 ,	
1175	Bound vector solitons and soliton complexes for the coupled nonlinear Schrödinger equations. 2009 , 80, 066608	82
1174	Femtosecond soliton source with fast and broad spectral tunability. 2009 , 34, 842-4	17
1173	Rogue waves and rational solutions of the nonlinear Schrödinger equation. 2009 , 80, 026601	635
1172	How to excite a rogue wave. 2009 , 80,	225
1171	Modulational instability in lossless fibers with saturable delayed nonlinear response. 2009 , 26, 183	29
1170	Spatiotemporal bessel beams: theory and experiments. 2009 , 17, 18148-64	29
1169	Solitons in Hollow Core Photonic Crystal Fiber: Engineering Nonlinearity and Compressing Pulses. 2009 , 27, 1644-1652	14
1168	Parallelizable, Bidirectional Method for Simulating Optical-Signal Propagation. 2009 , 27, 2140-2149	11
1167	Solitary wave pulses in optical fibers with normal dispersion and higher-order effects. 2009 , 79,	68
1166	Self-focusing: Past and Present. 2009 ,	87
1165	Contributions of Charles Townes's research to nonlinear optics. 2009 , 21, 208-223	1
1164	Modulated Wave Packets in DNA and Impact of Viscosity. 2009 , 26, 068703	21
1163	Modulation instability: The beginning. 2009 , 238, 540-548	466

1162	Highly Functional All-Optical Control Using Ultrafast Nonlinear Effects in Optical Fibers. 2009 , 45, 1446-1455	14
1161	Generation of pulse trains in nonlinear optical fibers through the generalized complex Ginzburg-Landau equation. 2009 , 80, 066604	20
1160	Optical soliton in dielectric fibers and self-organization of turbulence in plasmas in magnetic fields. 2009 , 85, 1-11	3
1159	A Less Invasive Approach to Rheology Measurements. 2009 , 2,	13
1158	Numerical modeling of femtosecond optical soliton propagation in single mode fiber with taking into account the Raman response imaginary part. 2010 ,	
1157	Numerical simulation of propagation of a femtosecond optical soliton in a single-mode fiber with allowance for the imaginary part of Raman response. 2010 , 45, 251-257	2
1156	Intensity redistribution and shape changing collision in coupled femtosecond solitons. 2010 , 57, 387-393	6
1155	Exact quasi-soliton solutions and soliton interaction for the inhomogeneous coupled Hirota-Maxwell-Bloch equations. 2010 , 12, 085202	4
1154	Letter: Spacing of lumped amplifiers in soliton transmission. 2010 , 5, 405-410	2
1153	Hirota bilinearization of coupled higher-order nonlinear Schrödinger equation. 2010 , 15, 3386-3389	6
1152	Finite dimensional global attractor for a parametric nonlinear Schrödinger system with a trapping potential. 2010 , 72, 4397-4406	4
1151	Soliton-like solutions of a derivative nonlinear Schrödinger equation with variable coefficients in inhomogeneous optical fibers. 2010 , 62, 919-929	22
1150	Bright and dark solitons in the normal dispersion regime of inhomogeneous optical fibers: Soliton interaction and soliton control. 2010 , 325, 1633-1643	53
1149	Symbolic computation on the Darboux transformation for a generalized variable-coefficient higher-order nonlinear Schrödinger equation from fiber optics. 2010 , 365, 517-524	3
1148	Evolution of solitary waves for a perturbed nonlinear Schrödinger equation. 2010 , 216, 3642-3651	5
1147	Nonlinear waves in optical media. 2010 , 234, 1896-1903	1
1146	Towards efficient quantum sources. 2010 , 4, 132-134	19
1145	Terahertz Kerr effect. 2010 , 4, 131-132	16

1144	Temporal solitons and pulse compression in photonic crystal waveguides. 2010 , 4, 862-868	145
1143	NONLINEAR PULSE PROPAGATION IN A WEAKLY BIREFRINGENT OPTICAL FIBER PART 1: DERIVATION OF COUPLED NONLINEAR SCHRÖDINGER EQUATIONS (CNLSE). 2010 , 19, 205-231	1
1142	Soliton Solutions and Bäcklund Transformation for Generalized Nonlinear Schrödinger Equation with Radial Symmetry. 2010 , 54, 635-640	2
1141	Back Matter. 2010 , 405-430	
1140	Some exact solutions to the inhomogeneous higher-order nonlinear Schrödinger equation by a direct method. 2010 , 19, 060302	10
1139	Dark Solitary Wave Solutions for the Fourth-Order Nonlinear Schrödinger Equation with Cubic-quintic Non-Kerr Terms. 2010 , 11,	
1138	Dark and antidark solitons in the modified nonlinear Schrödinger equation accounting for the self-steepening effect. 2010 , 81, 046606	41
1137	Resonant trapping in the transport of a matter-wave soliton through a quantum well. 2010 , 81,	54
1136	Widely tunable femtosecond solitonic radiation in photonic crystal fiber cladding. 2010 , 81,	8
1135	Solitons, Bäcklund transformation, and Lax pair for the (2+1)-dimensional Boiti-Leon-Pempinelli equation for the water waves. 2010 , 51, 093519	40
1134	Optical soliton pulses with relativistic characteristics. 2010 ,	
1133	INTEGRABLE ASPECTS AND SOLITON-LIKE SOLUTIONS OF AN INHOMOGENEOUS COUPLED HIROTA-MAXWELL-BLOCH SYSTEM IN OPTICAL FIBERS WITH SYMBOLIC COMPUTATION. 2010 , 25, 1365-1381	2
1132	Performance of high speed optical communication system with minimum distortion loss. 2010 ,	
1131	On the effect of random inhomogeneities in Kerr media modelled by a nonlinear Schrödinger equation. 2010 , 43, 135404	10
1130	Symmetries for exact solutions to the nonlinear Schrödinger equation. 2010 , 43, 025202	7
1129	The multiscale expansions of difference equations in the small lattice spacing regime, and a vicinity and integrability test: I. 2010 , 43, 045209	1
1128	Bright and dark solitons in the normal dispersion regime of inhomogeneous optical fibers. 2010 , 57, 1498-1503	2
1127	Colloquium: Looking at a soliton through the prism of optical supercontinuum. 2010 , 82, 1287-1299	244

1126	A new approach to the analytic soliton solutions for the variable-coefficient higher-order nonlinear Schrödinger model in inhomogeneous optical fibers. 2010 , 57, 309-315	10
1125	Modulational-instability-induced supercontinuum generation with saturable nonlinear response. 2010 , 82,	42
1124	Direct analysis of the bright-soliton collisions in the focusing vector nonlinear Schrödinger equation. 2010 , 92, 50002	4
1123	Integrability aspects with optical solitons of a generalized variable-coefficient N-coupled higher order nonlinear Schrödinger system from inhomogeneous optical fibers. 2010 , 51, 043511	32
1122	Observation of photorefractive simultons in lithium niobate. 2010 , 18, 7972-81	7
1121	Soliton mediated optical quantization in the transmission of one-dimensional photonic crystals. 2010 , 18, 12708-18	4
1120	Nonlinear similariton tunneling effect in the birefringent fiber. 2010 , 18, 17548-54	59
1119	Method for pulse transformations using dispersion varying optical fibre tapers. 2010 , 18, 24060-9	10
1118	High-order dispersion stabilizes dark dissipative solitons in all-fiber cavities. 2010 , 35, 306-8	67
1117	Interplay of XPM and nonlinear response time in the modulational instability of copropagating optical pulses. 2010 , 27, 1878	16
1116	Area theorem and energy quantization for dissipative optical solitons. 2010 , 27, 1978-1982	78
1115	Simulation of coherent structures in nonlinear Schrödinger-type equations. 2010 , 229, 8180-8198	6
1114	Bifurcation and stability in a low-dimensional model for multiple-frequency mode-locked lasers. 2010 , 81,	2
1113	Topics in Operator Theory. 2010 ,	
1112	Grey solitons and soliton interaction of higher nonlinear Schrödinger equation. 2010 , 88, 9-14	4
1111	Painlevé analysis and new analytical solutions for compound KdVBurgers equation with variable coefficients. 2010 , 88, 211-221	9
1110	From Morse code to Terabit communications. 2010 ,	
1109	The Nonlinear Schrödinger Equation. 2011 , 63-84	2

1108	Spatial solitons with the odd and even symmetries in (2+1)-dimensional spatially inhomogeneous cubic-quintic nonlinear media with transverse W-shaped modulation. 2011 , 44, 145401	17
1107	Stability of two-dimensional ion-acoustic wave packets in quantum plasmas. 2011 , 18, 042102	12
1106	Bright chirp-free and chirped nonautonomous solitons under dispersion and nonlinearity management. 2011 , 28, 236	11
1105	Nonlinear fiber optics: its history and recent progress [Invited]. 2011 , 28, A1	129
1104	Ultrafast nonlinear optics in gas-filled hollow-core photonic crystal fibers [Invited]. 2011 , 28, A11	219
1103	Generation of cnoidal waves by a laser system with a controllable saturable absorber. 2011 , 19, 14210-6	5
1102	Airy-soliton interactions in Kerr media. 2011 , 19, 25570-82	46
1101	Analytical solitary-wave solutions of the generalized nonautonomous cubic-quintic nonlinear Schrödinger equation with different external potentials. 2011 , 83, 066607	47
1100	Nonlinear optics: the first 50 years. 2011 , 52, 281-292	6
1099	Optical Solitons. 2011 , 861-884	
1098	References. 334-344	
1097	Introduction. 2011 , 1-7	1
1096	Soliton Lightwave Systems. 2011 , 155-197	
1095	Hidden possibilities in controlling optical soliton in fiber guided doped resonant medium. 2011 , 1, 022137	3
1094	Propagation of Gaussian beam in an absorbing waveguide. 2011 , 284, 5212-5217	2
1093	Bifurcations of solitons and their stability. 2011 , 507, 43-105	81
1092	Solitons in nonlinear lattices. 2011 , 83, 247-305	595
1091	Long-time behavior of a Bose-Einstein equation in a two-dimensional thin domain. 2011 , 10, 1629-1643	3

1090	Nonlinear tunneling effect in the (2+1)-dimensional cubic-quintic nonlinear Schrödinger equation with variable coefficients. 2011 , 63, 141-148	17
1089	Integrable twofold hierarchy of perturbed equations and application to optical soliton dynamics. 2011 , 167, 800-810	12
1088	Numerical solution of the nonlinear Schrödinger equation, starting from the scattering data. 2011 , 48, 75-88	11
1087	Exact soliton solutions of a D-dimensional nonlinear Schrödinger equation with damping and diffusive terms. 2011 , 62, 839-847	85
1086	Optimally stabilized beam pairs. 2011 , 122, 70-75	4
1085	Vector solitons in a laser passively mode-locked by single-wall carbon nanotubes. 2011 , 284, 2007-2011	27
1084	Breather and double-pole solutions of the derivative nonlinear Schrödinger equation from optical fibers. 2011 , 375, 549-557	16
1083	Nonautonomous bright matter-wave solitons and soliton collisions in Fourier-synthesized optical lattices. 2011 , 284, 3084-3089	10
1082	Spatiotemporal self-similar waves for the (3+1)-dimensional inhomogeneous cubic-quintic nonlinear medium. 2011 , 284, 2022-2026	17
1081	Radiation of caustic beams from a collapsing bullet. 2011 , 106, 134101	18
1080	Evolution dynamics of discrete-continuous light bullets. 2011 , 84,	31
1079	Generation and dynamics of quadratic birefringent spatial gap solitons. 2011 , 83,	8
1078	. 2011 ,	
1077	Optical peregrine soliton generation in standard telecommunication fibers. 2011 ,	
1076	Analysis of non-paraxial solitons using a collective variable approach. 2011 , 84, 035002	14
1075	Modulational instability and solitons in excitonic semiconductor waveguides. 2011 , 83,	8
1074	The Korteweg-de Vries equation: its place in the development of nonlinear physics. 2011 , 91, 997-1006	2
1073	Modification Model of Soliton Pulse for Higher Order. 2011 , 403-408, 3744-3747	

- 1072 The analytical evolution of NLS solitons due to the numerical discretization error. **2011**, 44, 505205
- 1071 Explicit Soliton and Periodic Solutions to Three-Wave System with Quadratic and Cubic Nonlinearities. **2011**, 55, 676-680 1
- 1070 Light-induced waveguide by a finite self-trapped vortex beam in a photorefractive medium. **2011**, 13, 085502 6
- 1069 ANALYTIC DARK SOLITON SOLUTIONS FOR A GENERALIZED VARIABLE-COEFFICIENT HIGHER-ORDER NONLINEAR SCHRÖDINGER EQUATION IN OPTICAL FIBERS USING SYMBOLIC COMPUTATION. **2011**, 25, 499-509 3
- 1068 Solitons beyond binary: possibility of fibre-optic transmission of two bits per clock period. **2012**, 2, 866 66
- 1067 Efficient frequency shifting of dispersive waves at solitons. **2012**, 20, 5538-46 52
- 1066 Exact solutions for generalized variable-coefficients Ginzburg-Landau equation: Application to Bose-Einstein condensates with multi-body interatomic interactions. **2012**, 53, 123703 12
- 1065 Linear and nonlinear propagation of optical Nyquist pulses in fibers. **2012**, 20, 19836-49 24
- 1064 Modulational instability at the proximity of zero dispersion wavelength in the relaxing saturable nonlinear system. **2012**, 29, 2803 16
- 1063 Propagate Properties of (2+1)-D Spatial Dark-soliton Strips on a Parabolic Background. **2012**,
- 1062 Wave envelopes with second-order spatiotemporal dispersion. II. Modulational instabilities and dark Kerr solitons. **2012**, 86, 9
- 1061 Wave envelopes with second-order spatiotemporal dispersion. I. Bright Kerr solitons and cnoidal waves. **2012**, 86, 17
- 1060 Propagating solitons generated by localized perturbations on the surface of deep water. **2012**, 85, 026313 4
- 1059 Spatiotemporal dispersion and wave envelopes with relativistic and pseudorelativistic characteristics. **2012**, 108, 034101 9
- 1058 Mid-infrared sources based on the soliton self-frequency shift. **2012**, 29, 1347 23
- 1057 Soliton and breather solutions of the modified nonlinear Schrödinger equation. **2012**, 85, 015007 6
- 1056 Ultrashort optical solitons in the dispersion-decreasing fibers. **2012**, 21, 080507 5
- 1055 Nonlinear tunneling of nonautonomous optical solitons in combined nonlinear Schrödinger and MaxwellBloch systems. **2012**, 14, 105204 53

1054	Nonautonomous bright solitons and soliton collisions in a nonlinear medium with an external potential. 2012 , 21, 050512	9
1053	L-band passively harmonic mode-locked fiber laser based on a graphene saturable absorber. 2012 , 9, 896-900	23
1052	Dispersion-managed solitons in fibre systems and lasers. 2012 , 521, 135-203	194
1051	Solitons and collapses: two evolution scenarios of nonlinear wave systems. 2012 , 55, 535-556	83
1050	Extracting Solitons from Noisy Pulses. 2012 , 72, 577-593	2
1049	N-order bright and dark rogue waves in a resonant erbium-doped fiber system. 2012 , 86, 066603	98
1048	The nonlinear Shannon limit and the need for new fibres. 2012 ,	11
1047	Mathematics of Complexity and Dynamical Systems. 2012 , 183-204	3
1046	Multisolitons, breathers, and rogue waves for the Hirota equation generated by the Darboux transformation. 2012 , 85, 026601	201
1045	Modulational instability with higher-order dispersion and walk-off in Kerr media with cross-phase modulation. 2012 , 86,	27
1044	Evolution of optical solitary waves in a generalized nonlinear Schrödinger equation with variable coefficients. 2012 , 70, 2259-2267	22
1043	Interaction of short single-component vector solitons. 2012 , 55, 184-197	1
1042	Nonlinear spectral shaping and optical rogue events in fiber-based systems. 2012 , 18, 248-256	11
1041	Breather solutions to the nonlinear Schrödinger equation with variable coefficients and a linear potential. 2012 , 86, 015402	10
1040	Soliton interactions and complexes for coupled nonlinear Schrödinger equations. 2012 , 85, 036605	40
1039	Conservation laws and solitons for the coupled cubic-quintic nonlinear Schrödinger equations in nonlinear optics. 2012 , 85, 015002	13
1038	Soliton solutions and Bäcklund transformation for the normalized linearly coupled nonlinear wave equations with symbolic computation. 2012 , 218, 10386-10392	1
1037	Numerical solutions for some generalized coupled nonlinear evolution equations. 2012 , 56, 268-277	12

1036	Gradient marker: a universal wave pattern in an inhomogeneous continuum. 2012 , 109, 153901	2
1035	New Types of Rogue Wave in an Erbium-Doped Fibre System. 2012 , 81, 033002	63
1034	Spectral self-compression of ultrashort pulses. 2012 , 47, 225-227	1
1033	Analytical solutions to the spin-1 Bose-Einstein condensates. 2012 , 45, 215302	10
1032	Novel behavior and properties for the nonlinear pulse propagation in optical fibers. 2012 , 97, 10005	28
1031	Multi-soliton solutions to the modified nonlinear Schrödinger equation with variable coefficients in inhomogeneous fibers. 2012 , 85, 045007	9
1030	Closed form Solutions to the Integrable Discrete Nonlinear Schrödinger Equation. 2012 , 19, 136	7
1029	Supercontinuum Sources Based on Photonic Crystal Fiber. 2012 , 63-96	2
1028	Nonlinear Pulse Shaping in Fibres for Pulse Generation and Optical Processing. 2012 , 2012, 1-14	11
1027	Optical Solitons in a Nonlinear Fiber Medium with Higher-Order Effects. 2012 ,	
1026	An Analytical and Numerical Investigation of the Optical Vortex Solitons: A Computational Study. 2012 , 4,	
1025	Nonlinear Model Equations and Variational Principles. 2012 , 149-199	1
1024	General high-order rogue waves and their dynamics in the nonlinear Schrödinger equation. 2012 , 468, 1716-1740	321
1023	Vector bright soliton behaviors associated with negative coherent coupling. 2012 , 85, 026117	59
1022	Darboux transformation and soliton solutions for the generalized coupled variable-coefficient nonlinear Schrödinger-Maxwell-Bloch system with symbolic computation. 2012 , 52, 565-577	19
1021	The Nonlinear Schrödinger Equation and Solitary Waves. 2012 , 535-577	
1020	Solitons and their collisions in the spinor Bose-Einstein condensates. 2012 , 69, 1137-1148	15
1019	Exact solutions of a two-dimensional nonlinear Schrödinger equation. 2012 , 25, 687-691	118

1018	Darboux transformation and soliton solutions for the coupled cubic-quintic nonlinear Schrödinger equations in nonlinear optics. 2012 , 17, 2372-2381	42
1017	Propagation characteristics of chirped soliton in periodic distributed amplification systems with variable coefficients. 2012 , 123, 818-822	24
1016	Solitary wave solutions for a higher order nonlinear Schrödinger equation. 2012 , 82, 1333-1340	16
1015	Pedestal free pulse compression of chirped optical solitons. 2012 , 285, 1449-1455	9
1014	Analytical localized wave solutions of the generalized nonautonomous nonlinear Schrödinger equation with Gaussian shaped nonlinearity. 2012 , 285, 3669-3673	4
1013	The compression and stretching of similaritons with nonlinear tunneling in optical fibers. 2012 , 285, 3890-3895	11
1012	Experimental study on pulse propagation characteristics at normal dispersion region in dispersion flattened fibers. 2012 , 44, 763-766	6
1011	Exact solutions of the generalized nonlinear Schrödinger equation with time- and space-modulated coefficients. 2012 , 376, 465-468	7
1010	Phase interaction of short vector solitons. 2012 , 376, 718-722	3
1009	Instability analysis of the split-step Fourier method on the background of a soliton of the nonlinear Schrödinger equation. 2012 , 28, 641-669	18
1008	Symbolic computation on soliton solutions for variable-coefficient nonlinear Schrödinger equation in nonlinear optics. 2012 , 43, 147-162	27
1007	On the propagation of nonlinear signals in nonlinear transmission lines. 2013 , 128, 1	2
1006	Simplified back-propagation for fibre nonlinearity compensation employing multi-band OFDM signals. 2013 , 45, 491-502	
1005	A theoretical investigation of soliton induced supercontinuum generation in liquid core photonic crystal fiber and dual core optical fiber. 2013 , 222, 625-640	1
1004	Dispersion management and cascade compression of femtosecond nonautonomous soliton in birefringent fiber. 2013 , 67, 1	50
1003	Models, Algorithms, and Technologies for Network Analysis. 2013 ,	
1002	Analytical traveling wave and soliton solutions of the generalized nonautonomous nonlinear Schrödinger equation with an external potential. 2013 , 87, 1243-1250	6
1001	A colloquium on the influence of versatile class of saturable nonlinear responses in the instability induced supercontinuum generation. 2013 , 19, 348-358	19

1000	All-optical soliton switching for the asymmetric fiber couplers. 2013 , 67, 1	5
999	Optical solitons: Mathematical model and simulations. 2013 ,	2
998	Dispersion and nonlinearity managed multisoliton propagation in an erbium doped inhomogeneous fiber with gain/loss. 2013 , 42, 182-188	10
997	Ultraweak long-range interactions of solitons observed over astronomical distances. 2013 , 7, 657-663	126
996	The error statistics analysis of the QPSK-modulated signal in the high-rate optical link. 2013 , 296, 132-136	0
995	Higher-order nonlinear Schrödinger equation with derivative non-Kerr nonlinear terms: A model for sub-10-fs-pulse propagation. 2013 , 88,	52
994	Observation of two soliton propagation in an erbium doped inhomogeneous lossy fiber with phase modulation. 2013 , 18, 1410-1432	58
993	Observation of two state behavior in the instability spectra of saturable nonlinear media. 2013 , 222, 821-825	5
992	Properties of optical spatial solitons in photorefractive crystals with special emphasis to two-photon photorefractive nonlinearity. 2013 , 35, 2581-2603	12
991	Solitons in a generalized space- and time-variable coefficients nonlinear Schrödinger equation with higher-order terms. 2013 , 377, 2995-3004	5
990	Numerical methods and comparison for computing dark and bright solitons in the nonlinear Schrödinger equation. 2013 , 235, 423-445	61
989	Elastic and inelastic interactions between optical spatial solitons in nonlinear optics. 2013 , 23, 095401	15
988	On the spectral stability of solitary wave solutions of the vector nonlinear Schrödinger equation. 2013 , 46, 415202	1
987	Butterfly-shaped pulse in optical fibers with variable group-velocity dispersion. 2013 , 103, 44002	10
986	The short envelope soliton dynamics in inhomogeneous dispersive media with allowance for stimulated scattering by damped low-frequency waves. 2013 , 56, 157-166	3
985	An Alternative Approach to Integrable Discrete Nonlinear Schrödinger Equations. 2013 , 127, 169-191	
984	Integrability and soliton solutions for an . 2013 , 392, 4532-4542	6
983	High-Nonlinearity in Glass Fibers and Cross-Phase Modulation. 2013 , 53-68	

982	Optical Signal Processing by Silicon Photonics. 2013,	3
981	Modulation instability in nonlinear propagation of pulses in optical fibers. 2013, 221, 177-191	4
980	Soliton collision in a general coupled nonlinear Schrödinger system via symbolic computation. 2013, 219, 11258-11264	12
979	Bright hump solitons for the higher-order nonlinear Schrödinger equation in optical fibers. 2013, 74, 1053-1063	15
978	Bäcklund Transformation, Lax Pair and Solitons of the (2+1)-dimensional Davey-Stewartson-like Equations with Variable Coefficients for the Electrostatic Wave Packets. 2013, 20, 94	7
977	A high power MOPA-laser based on a mode-locked thulium-doped fiber oscillator with intracavity dispersion management. 2013, 23, 045108	1
976	Soliton behavior for a generalized mixed nonlinear Schrödinger model with N-fold Darboux transformation. 2013, 23, 033137	49
975	Dark and dark-like-bright solitons for a higher-order nonlinear Schrödinger equation in optical fibers. 2013, 102, 10010	10
974	Passive reshaping of ultrashort pulses in optical fibers. 2013,	
973	Encyclopedia of Complexity and Systems Science. 2013, 1-31	1
972	Pulse Propagation in Fibers. 2013, 27-56	19
971	Assessment of dispersion map impact on the digital back propagation of long-haul fibre-optic links. 2013, 45, 257-269	1
970	Optical rogons for inhomogeneous nonlinear Schrödinger equation with inter modal dispersion. 2013, 225, 318-325	10
969	Interplay between relaxation of nonlinear response and coupling coefficient dispersion in the instability spectra of dual core optical fiber. 2013, 303, 46-55	16
968	Introduction. 2013, 1-25	2
967	Optical Solitons. 2013, 129-191	8
966	Modulational instability in a twin-core fiber with the effect of saturable nonlinear response and coupling coefficient dispersion. 2013, 87,	37
965	Optical solitons in graded-index multimode fibres. 2013, 4, 1719	182

964	Solitary wave solutions and modulation instability analysis of the nonlinear Schrödinger equation with higher order dispersion and nonlinear terms. 2013 , 18, 2420-2425	76
963	Two-soliton and three-soliton molecules in optical fibers. 2013 , 87,	44
962	Breathers and multi-soliton solutions for the higher-order generalized nonlinear Schrödinger equation. 2013 , 18, 2426-2435	90
961	Orbital stability of solitary waves of a 3-coupled nonlinear Schrödinger system. 2013 , 90, 1-26	12
960	A generalized finite-difference time-domain scheme for solving nonlinear Schrödinger equations. 2013 , 184, 1834-1841	16
959	Bilinear Form and N-Shock-Wave Solutions for a (2+1)-Dimensional Breaking Soliton Equation in Certain Fluids with the Bell Polynomials and Auxiliary Function. 2013 , 131, 331-342	1
958	Integrable conditions and inhomogeneous soliton solutions of a coupled nonlinear Schrödinger system with distributed coefficients. 2013 , 14, 329-339	6
957	Soliton solutions via auxiliary function method for a coherently-coupled model in the optical fiber communications. 2013 , 14, 929-939	15
956	Traveling-waves and solitons in a generalized time-variable coefficients nonlinear Schrödinger equation with higher-order terms. 2013 , 377, 167-175	10
955	Modulation instability induced by cross-phase modulation in dispersion-decreasing fiber with high-order dispersion and high-order nonlinearity. 2013 , 10, 095101	3
954	Suppression of pulse splitting in two-core optical fibers with Kerr nonlinearity. 2013 , 30, 460	1
953	Theoretical investigation of modulational instability in semiconductor doped dispersion decreasing fiber and its cutting edge over the existing fiber systems. 2013 , 30, 178	18
952	Thin-disk laser with Bessel-like output beam: theory and simulations. 2013 , 52, 683-9	2
951	Symbolic computation on Bäcklund transformation and soliton solutions for a generalized nonlinear Schrödinger equation in inhomogeneous fibers. 2013 , 87, 045014	
950	Global existence for a coupled system of Schrödinger equations with power-type nonlinearities. 2013 , 54, 011503	26
949	Soliton Solutions of a Variation of the Nonlinear Schrödinger Equation. 2013 , 39-53	
948	Darboux Transformation and Solutions of the Two-Component Hirota-Maxwell-Bloch System. 2013 , 30, 104201	10
947	Optical-Fiber-Type Broadband Cavity Ring-Down Spectroscopy Using Wavelength-Tunable Ultrashort Pulsed Light. 2013 , 52, 040201	4

946	Picosecond pulse compression by means of soliton effects in single-mode silica glass fiber in the 2 μ m spectral range. 2013 , 23, 075107	2
945	Nonlinear waves of the Hirota and the MaxwellBloch equations in nonlinear optics. 2013 , 22, 044208	8
944	Breathers and Soliton Solutions for a Generalization of the Nonlinear Schrödinger Equation. 2013 , 2013, 1-5	2
943	Observation of Discrete, Vortex Light Bullets. 2013 , 3,	25
942	A hierarchy of coupled evolution equations with self-consistent sources and the dressing method. 2013 , 46, 035204	18
941	Drift of dark cavity solitons in a photonic-crystal fiber resonator. 2013 , 88,	38
940	An Application of Matrix Theory to the Evolution of Coupled Modes. 2013 , 55, 764-787	
939	The Inverse Scattering Transform for the Defocusing Nonlinear Schrödinger Equations with Nonzero Boundary Conditions. 2013 , 131, 1-40	53
938	Soliton dynamics in media with space stimulated Raman scattering and synchronic spatial variation of dispersion and self-phase modulation. 2013 , 23, 013143	2
937	Rotation of the trajectories of bright solitons and realignment of intensity distribution in the coupled nonlinear Schrödinger equation. 2013 , 88, 032903	13
936	Maximized Soliton Self-Frequency Shift in Non-Uniform Microwires by the Control of Third-Order Dispersion Perturbation. 2013 , 31, 1462-1467	11
935	Propagation of an electromagnetic soliton in an anisotropic biquadratic ferromagnetic medium. 2013 , 22, 030512	8
934	BOUND SOLITONS AND BREATHERS FOR THE GENERALIZED COUPLED NONLINEAR SCHRÖDINGER-MAXWELLBLOCH SYSTEM. 2013 , 27, 1350130	14
933	Rogue waves in optical fibers in presence of third-order dispersion, self-steepening, and self-frequency shift. 2013 , 30, 87	58
932	Soliton dynamics in an extended nonlinear Schrödinger equation with a spatial counterpart of the stimulated Raman scattering. 2013 , 79, 1057-1062	14
931	Application of the G'/G Expansion Method in Ultrashort Pulses in Nonlinear Optical Fibers. 2013 , 2013, 1-5	
930	High power Bessel-like laser beam by thin disk geometry. 2013 , 8, 859-867	0
929	Time-evolution-proof Scattering Data for the Focusing and Defocusing Zakharov-Shabat Systems. 2014 , 21, 265	2

928	Coherent soliton communication lines. 2014 , 119, 787-794	8
927	Effects of fourth-order dispersion on modulational instability in metamaterials with exponential saturable nonlinearity and self-steepening coefficients. 2014 , 129, 1	6
926	The inverse scattering transform for the focusing nonlinear Schrödinger equation with asymmetric boundary conditions. 2014 , 55, 101505	36
925	Average cavity description of self-similar lasers. 2014 , 31, 842	4
924	Impulse response of nonlinear Schrödinger equation and its implications for pre-dispersed fiber-optic communication systems. 2014 , 22, 32282-92	7
923	Averaged dynamics of soliton molecules in dispersion-managed optical fibers. 2014 , 89,	22
922	Semiclassical Limit of Focusing NLS for a Family of Square Barrier Initial Data. 2014 , 67, 246-320	29
921	Experimental analysis of the interaction between modulation instability and stimulated raman scattering in short lengths of optical fibers. 2014 ,	
920	Study on fundamental and higher order soliton with and without third-order dispersion near zero dispersion point of single mode fiber. 2014 , 23, 1450028	4
919	Dielectric laser accelerators. 2014 , 86, 1337-1389	209
918	Temporal soliton excitation in an μ -near-zero plasmonic metamaterial. 2014 , 39, 5566-9	22
917	A Transmission Model of Analog Signals in Photonic Links. 2014 , 6, 1-13	3
916	Kink Waves in an Extended Nonlinear Schrödinger Equation with Allowance for Stimulated Scattering and Nonlinear Dispersion. 2014 , 57, 279-286	0
915	Bright-soliton collisions with shape change by intensity redistribution for the coupled Sasaŕatsuma system in the optical fiber communications. 2014 , 19, 3969-3987	37
914	Arbitrary bending of optical solitonic beam regulated by boundary excitations in a doped resonant medium. 2014 , 276, 21-27	5
913	Integrability and bright soliton solutions to the coupled nonlinear Schrödinger equation with higher-order effects. 2014 , 229, 296-309	89
912	Gap soliton in a waveguide array with a saturating defocusing nonlinearity. 2014 , 114, 483-488	
911	Time-splitting pseudo-spectral domain decomposition method for the soliton solutions of the one- and multi-dimensional nonlinear Schrödinger equations. 2014 , 185, 1515-1528	48

910	Integrability and soliton-like solutions for the coupled higher-order nonlinear Schrödinger equations with variable coefficients in inhomogeneous optical fibers. 2014 , 19, 1783-1791	33
909	Optimization strategy to find shapes of soliton molecules. 2014 , 116, 43-52	6
908	Nonlinear tunneling of optical soliton in 3 coupled NLS equation with symbolic computation. 2014 , 346, 1-13	41
907	Damped solitons in an extended nonlinear Schrödinger equation with a spatial stimulated Raman scattering and decreasing dispersion. 2014 , 320, 88-93	13
906	Stability of solitary waves for the vector nonlinear Schrödinger equation in higher-order Sobolev spaces. 2014 , 409, 946-962	
905	Rogue-wave interaction of the generalized variable-coefficient Hirota-Maxwell-Bloch system in fiber optics. 2014 , 69, 217-227	11
904	Mathematical Methods in Engineering. 2014 ,	2
903	Multi-eigenvalue communication via the nonlinear Fourier transform. 2014 ,	16
902	GeneralN-soliton solution to a vector nonlinear Schrödinger equation. 2014 , 47, 355203	72
901	Non-filamentated ultra-intense and ultra-short pulse fronts in three-dimensional Raman seed amplification. 2014 , 21, 053101	28
900	Compacton-like solutions for modified KdV and nonlinear Schrödinger equation with external sources. 2014 , 83, 273-277	4
899	Few-cycle optical rogue waves: complex modified Korteweg-de Vries equation. 2014 , 89, 062917	95
898	Interactions between solitons and other nonlinear Schrödinger waves. 2014 , 89, 043202	70
897	Darboux transformation and positons of the inhomogeneous Hirota and the Maxwell-Bloch equation. 2014 , 57, 898-907	14
896	Dynamics of the generalized (3 + 1)-dimensional nonlinear Schrödinger equation in cosmic plasmas. 2014 , 54, 512-521	
895	Solitary waves in parity-time (PT)-symmetric Bragg grating structure and the existence of optical rogue waves. 2014 , 105, 44001	13
894	Soliton solutions of an integrable nonlinear Schrödinger equation with quintic terms. 2014 , 90, 032922	85
893	Propagation properties of soliton solutions under the influence of higher order effects in erbium doped fibers. 2014 , 19, 3529-3538	7

892	Self-similar rogue waves in an inhomogeneous generalized nonlinear Schrödinger equation. 2014 , 378, 2137-2141	8
891	Regularity of the attractor for a Bose-Einstein equation in a two dimensional unbounded domain. 2014 , 19, 651-677	3
890	Binary Darboux transformation for the Sasa-Batsuma equation. 2015 , 48, 425202	28
889	Self-induced transparency effect on the two-soliton interaction. 2015 , 356, 426-430	2
888	Nonparaxial rogue waves in optical Kerr media. 2015 , 91, 063201	9
887	Solitons in a forced nonlinear Schrödinger equation with the pseudo-Raman effect. 2015 , 92, 062926	7
886	Ultrabroadband Dispersive Radiation by Spatiotemporal Oscillation of Multimode Waves. 2015 , 115, 223902	114
885	Observation of Coexisting Dissipative Solitons in a Mode-Locked Fiber Laser. 2015 , 115, 253903	27
884	Developing high energy dissipative soliton fiber lasers at 2 micron. 2015 , 5, 13680	29
883	The Maser. 2015 , 108-161	4
882	Vector bright solitons associated with positive coherent coupling via Darboux transformation. 2015 , 25, 123103	24
881	High-frequency solitons in media with induced scattering from damped low-frequency waves with nonuniform dispersion and nonlinearity. 2015 , 121, 955-960	
880	4. Nonlocal spatial optical solitons. 2015 , 227-306	6
879	Soliton in an extended nonlinear Schrödinger equation with stimulated scattering on damping low-frequency waves and nonlinear dispersion. 2015 , 574, 012032	
878	Interface Problems for Dispersive Equations. 2015 , 134, 253-275	11
877	Some remarks on a linearized Schrödinger equation. 2015 , 26, 189-213	1
876	Higher-order-effects management of soliton interactions in the Hirota equation. 2015 , 91, 033201	23
875	Bistable dissipative soliton in cubic-quintic nonlinear medium with multiphoton absorption and gain dispersion. 2015 , 29, 1410-1429	4

874	Soliton collisions for a generalized variable-coefficient coupled Hirota-Maxwell-Bloch system for an erbium-doped optical fiber. 2015 , 62, 1374-1380	7
873	Comparison of soliton solutions of the nonlinear Schrödinger equation and the nonlinear amplitude equation. 2015 ,	1
872	Introduction of Fiber Waveguide and Soliton Signals Used to Enhance the Communication Security. 2015 , 1-16	5
871	Solution processed MoS ₂ -PVA composite for sub-bandgap mode-locking of a wideband tunable ultrafast Er: fiber laser. 2015 , 8, 1522-1534	210
870	Optoelectronic studies on heterocyclic bases of deoxyribonucleic acid for DNA photonics. 2015 , 55, 524-9	4
869	Finite dimensional global attractor for a Bose-Einstein equation in a two dimensional unbounded domain. 2015 , 14, 1781-1801	5
868	Controllable Nonautonomous Rogue Waves in the Modified Nonlinear Schrödinger Equation with Distributed Coefficients in Inhomogeneous Fibers. 2015 , 70, 251-261	6
867	Langmuir solitons in a plasma with inhomogeneous electron temperature. 2015 , 90, 068021	2
866	Broadband supercontinuum generation in all-normal dispersion chalcogenide microwires. 2015 , 40, 4687-90	43
865	Chaotic parametric soliton-like pulses in ferromagnetic-film active ring resonators. 2015 , 121, 623-635	6
864	Hidden possibilities in soliton switching through tunneling in erbium doped birefringence fiber with higher order effects. 2015 , 62, 278-287	22
863	Dynamical behaviors and soliton solutions of a generalized higher-order nonlinear Schrödinger equation in optical fibers. 2015 , 80, 1451-1461	44
862	Formation and Energy Exchange of Vector Dark Solitons in Fiber Lasers. 2015 , 7, 1-9	3
861	Parallel transmission of solitons without interactions. 2015 , 62, 658-661	2
860	Nonautonomous solitons in modified inhomogeneous Hirota equation: soliton control and soliton interaction. 2015 , 79, 2469-2484	95
859	Integrable discretization of nonlinear Schrödinger equation and its application with Fourier pseudo-spectral method. 2015 , 69, 839-862	1
858	Anti-dark and Mexican-hat solitons in the Sasa-Satsuma equation on the continuous wave background. 2015 , 109, 30006	39
857	Bilinearization of the generalized coupled nonlinear Schrödinger equation with variable coefficients and gain and dark-bright pair soliton solutions. 2015 , 91, 023210	30

- 856 Modulational instability, higher-order localized wave structures, and nonlinear wave interactions for a nonautonomous Lenells-Fokas equation in inhomogeneous fibers. **2015**, 25, 063111 96
- 855 Influence of generalized external potentials on nonlinear tunneling of nonautonomous solitons: Soliton management. **2015**, 25, 44-50 21
- 854 The Darboux transformation of the Kundu-Bäckhaus equation. **2015**, 471, 20150236 65
- 853 Temporal tweezing of light through the trapping and manipulation of temporal cavity solitons. **2015**, 6, 7370 84
- 852 Inverse Scattering Transform for the Discrete Focusing Nonlinear Schrödinger Equation with Nonvanishing Boundary Conditions. **2015**, 22, 233 10
- 851 Breather-to-soliton conversions described by the quintic equation of the nonlinear Schrödinger hierarchy. **2015**, 91, 032928 65
- 850 Bright soliton solutions and collisions for a(3+1)-dimensional coupled nonlinear Schrödinger system in optical-fiber communication. **2015**, 69, 1383-1389 11
- 849 Modulation instability dynamics of coupling pulses with different powers in nonlinear fibers. **2015**, 62, 908-917 4
- 848 Numerical modeling considerations for an applied nonlinear Schrödinger equation. **2015**, 54, 1426-35
- 847 Breather interactions and higher-order nonautonomous rogue waves for the inhomogeneous nonlinear Schrödinger Maxwell-Bloch equations. **2015**, 359, 97-114 105
- 846 Optical Soliton Signals Propagation in Fiber Waveguides. **2015**, 1-11
- 845 Anti-dark solitons for a variable-coefficient higher-order nonlinear Schrödinger equation in an inhomogeneous optical fiber. **2015**, 90, 045201 37
- 844 Conservation laws, bilinear forms and solitons for a fifth-order nonlinear Schrödinger equation for the attosecond pulses in an optical fiber. **2015**, 359, 371-384 27
- 843 Rogue wave solutions of a higher-order Chen-Lee-Liu equation. **2015**, 90, 055207 30
- 842 Madelung fluid description on a generalized mixed nonlinear Schrödinger equation. **2015**, 81, 239-247 98
- 841 Polarization dynamic patterns of vector solitons in a graphene mode-locked fiber laser. **2015**, 23, 2424-35 22
- 840 Spatiotemporal dynamics of multimode optical solitons. **2015**, 23, 3492-506 111
- 839 Simulation of generation of dissipative soliton, dissipative soliton resonance and noise-like pulse in Yb-doped mode-locked fiber lasers. **2015**, 23, 5972-81 77

838	Dissipative soliton resonance and reverse saturable absorption in graphene oxide mode-locked all-normal-dispersion Yb-doped fiber laser. 2015 , 23, 7000-6	59
837	Integrable equations of the infinite nonlinear Schrödinger equation hierarchy with time variable coefficients. 2015 , 25, 103114	35
836	Initial conditions for dark soliton generation in normal-dispersion fiber lasers. 2015 , 54, 71-5	12
835	Adomian decomposition of scalar and coupled nonlinear Schrödinger equations and dark and bright solitary wave solutions. 2015 , 44, 397-404	2
834	Super and subluminal propagation in nonlinear Schrödinger equation model with self-steepening and self-frequency shift. 2015 , 24, 1550033	2
833	Some aspects of optical spatial solitons in photorefractive media and their important applications. 2015 , 85, 975-992	2
832	Simultaneous control of the wavelength and duration of Raman-shifting solitons using topographic photonic crystal fibers. 2015 , 32, 2146	2
831	Effect of higher order dispersion on supercontinuum spectrum. 2015 ,	2
830	Role of negative-third order dispersion, intrapulse Raman scattering and self steepening effect on soliton intra-channel interaction. 2015 ,	
829	Nonautonomous characteristics of the breathers and rogue waves for a amplifier nonlinear Schrödinger Maxwell-Bloch system. 2015 , 69, 1	4
828	Dispersive dark optical soliton in (2+1)-dimensions by G^2/G -expansion with dual-power law nonlinearity. 2015 , 126, 5812-5814	57
827	Solitons via an auxiliary function for an inhomogeneous higher-order nonlinear Schrödinger equation in optical fiber communications. 2015 , 79, 721-729	16
826	Analytic study on the mixed-type solitons for a (2+1)-dimensional N-coupled nonlinear Schrödinger system in nonlinear optical-fiber communication. 2015 , 22, 1305-1312	9
825	Integrability aspects and soliton solutions for the inhomogeneous reduced MaxwellBloch system in nonlinear optics with symbolic computation. 2015 , 22, 1350-1359	13
824	Darboux transformation and conservation laws for an inhomogeneous fifth-order nonlinear Schrödinger equation from the Heisenberg ferromagnetism. 2015 , 20, 692-698	6
823	Dark single- and double-hump vector solitons of the coupled higher-order nonlinear Schrödinger equations in the birefringent or two-mode fibers. 2015 , 335, 237-244	12
822	Dipole soliton solution for the homogeneous high-order nonlinear Schrödinger equation with cubic-quintic-septic non-Kerr terms. 2015 , 39, 1300-1307	25
821	Multisoliton Solutions and Breathers for the Coupled Nonlinear Schrödinger Equations via the Hirota Method. 2016 , 2016, 1-11	16

820	Observation of multimode solitons in few-mode fiber. 2016 , 41, 4819-4822	34
819	Soliton dynamics in gas-filled hollow-core photonic crystal fibers. 2016 , 18, 013002	12
818	Bi-Directional Algorithm for Computing Discrete Spectral Amplitudes in the NFT. 2016 , 34, 3529-3537	31
817	Spectral domain soliton-effect self-compression. 2016 , 672, 012015	0
816	Soliton molecules for advanced optical telecommunications. 2016 , 225, 2453-2464	13
815	Nonlinear guided waves: Preface. 2016 , 25, 1650041	
814	Coupled solitons of intense high-frequency and low-frequency waves in Zakharov-type systems. 2016 , 26, 123118	4
813	Novel asymmetric representation method for solving the higher-order Ginzburg-Landau equation. 2016 , 6, 24613	13
812	Modulation instability in quasi-two-dimensional spin-orbit coupled Bose-Einstein condensates. 2016 , 49, 245301	12
811	Orbital stability of spatially synchronized solitary waves of an m-coupled nonlinear Schrödinger system. 2016 , 57, 101501	1
810	Transformations and Soliton Solutions for a Variable-coefficient Nonlinear Schrödinger Equation in the Dispersion Decreasing Fiber with Symbolic Computation. 2016 , 145, 207-219	7
809	Stability analysis of the soliton solutions for the generalized quintic derivative nonlinear Schrödinger equation. 2016 , 6, 911-916	7
808	Double layers and double wells in arbitrary degenerate plasmas. 2016 , 23, 062314	5
807	Unexpected Behavior on Nonlinear Tunneling of Chirped Ultrashort Soliton Pulse in Non-Kerr Media with Raman Effect. 2016 , 71, 751-758	15
806	Dynamics of optical soliton in a tapered erbium-doped fiber under periodic distributed amplification system. 2016 , 85, 599-606	53
805	Dark soliton control in inhomogeneous optical fibers. 2016 , 61, 80-87	46
804	Exact dipole solitary wave solution in metamaterials with higher-order dispersion. 2016 , 63, S44-S50	12
803	Measurement of nonlinear parameter of an optical fiber based on Brillouin optical time-domain analysis. 2016 , 33, 630	1

802	New solitons and periodic wave solutions for the (2+1)-dimensional Heisenberg ferromagnetic spin chain equation. 2016 , 30, 788-794	55
801	Reaching white-light radiation source of ultrafast laser pulses with tunable peak power using nonlinear self-phase modulation in neon gas. 2016 , 125, 165-170	
800	Conservation Laws and Mixed-Type Vector Solitons for the 3-Coupled Variable-Coefficient Nonlinear Schrödinger Equations in Inhomogeneous Multicomponent Optical Fibre. 2016 , 71, 525-539	5
799	V-shaped dark solitons in inhomogeneous optical fibers. 2016 , 127, 6742-6745	3
798	Solitary Waves in Chains of High-Index Dielectric Nanoparticles. 2016 , 3, 1869-1876	13
797	Hydrodynamic Envelope Solitons and Breathers. 2016 , 55-87	3
796	Butterfly-shaped and dromion-like optical waves in a tapered graded-index waveguide with variable group-velocity dispersion. 2016 , 374, 366-374	3
795	Optical solitons and conservation laws with anti-cubic nonlinearity. 2016 , 127, 12056-12062	28
794	Oscillations in the Interactions Among Multiple Solitons in an Optical Fibre. 2016 , 71, 1079-1091	13
793	Incorporating Radiation in Noise-Induced Phase Evolution of Optical Solitons. 2016 , 15, 1025-1061	1
792	Solitons in a third-order nonlinear Schrödinger equation with the pseudo-Raman scattering and spatially decreasing second-order dispersion. 2016 , 103, 653-657	6
791	WITHDRAWN: New chirped soliton-like solutions of the Fokas-Lenells equation. 2016 ,	1
790	Breather turbulence versus soliton turbulence: Rogue waves, probability density functions, and spectral features. 2016 , 94, 022212	41
789	Anomalous diffraction in hyperbolic materials. 2016 , 94,	5
788	Bright optical solitons or light bullets for a (3 + 1)-dimensional generalized nonlinear Schrödinger equation with the distributed coefficients. 2016 , 30, 1650306	18
787	Modulation instability in noninstantaneous Kerr media with walk-off and cross-phase modulation for mixed group-velocity-dispersion regimes. 2016 , 93,	14
786	Infinite hierarchy of nonlinear Schrödinger equations and their solutions. 2016 , 93, 012206	102
785	Breather-to-soliton transitions, nonlinear wave interactions, and modulational instability in a higher-order generalized nonlinear Schrödinger equation. 2016 , 93, 012214	145

784	Influence of optical activity on rogue waves propagating in chiral optical fibers. 2016 , 93, 062223	5
783	Bright-dark vector soliton solutions for the coupled complex short pulse equations in nonlinear optics. 2016 , 67, 47-54	7
782	Dark soliton collisions for a fourth-order variable-coefficient nonlinear Schrödinger equation in an inhomogeneous Heisenberg ferromagnetic spin chain or alpha helical protein. 2016 , 86, 131-135	23
781	Soliton synchronization in the focusing nonlinear Schrödinger equation. 2016 , 93, 052222	25
780	Mixed-type soliton solutions for the N-coupled higher-order nonlinear schrödinger equation in optical fibers. 2016 , 93, 246-251	6
779	Generation of stable cnoidal waves in an erbium doped fiber laser system. 2016 , 720, 012050	
778	Darboux transformation of the general Hirota equation: multisoliton solutions, breather solutions, and rogue wave solutions. 2016 , 2016,	13
777	Implicit-explicit multistep methods for general two-dimensional nonlinear Schrödinger equations. 2016 , 109, 41-60	13
776	Scattering data computation for the Zakharov-Shabat system. 2016 , 53, 487-520	5
775	Comparison of Solutions of the General Nonlinear Amplitude Equation and a Modified Schrödinger Equation. 2016 , 37, 155-163	1
774	Gravity localization on hybrid branes. 2016 , 754, 201-207	14
773	Generation of a train of ultrashort pulses using periodic waves in tapered photonic crystal fibres. 2016 , 63, 2246-2258	2
772	Multieigenvalue Communication. 2016 , 34, 3110-3117	39
771	New types of exact quasi-soliton solutions in metamaterials. 2016 , 91, 025201	10
770	APPLIED OPTICS. How Cherenkov radiative losses can improve optical frequency combs. 2016 , 351, 340-1	4
769	Pure-quartic solitons. 2016 , 7, 10427	79
768	Manipulation of light in a generalized coupled Nonlinear Schrödinger equation. 2016 , 37, 354-361	10
767	Optical soliton shaping in dispersion decreasing fibers. 2016 , 84, 2205-2209	36

766	Rogue waves in a resonant erbium-doped fiber system with higher-order effects. 2016 , 273, 826-841	12
765	Breather-to-soliton and rogue wave-to-soliton transitions in a resonant erbium-doped fiber system with higher-order effects. 2016 , 85, 389-398	14
764	Asymmetric Rogue Waves, Breather-to-Soliton Conversion, and Nonlinear Wave Interactions in the Hirota-Maxwell-Bloch System. 2016 , 85, 024001	38
763	One- and two-soliton solutions to a new KdV evolution equation with nonlinear and nonlocal terms for the water wave problem. 2016 , 83, 2461-2473	9
762	Co-propagation of two optical fields in a semiconductor doped dispersion decreasing fiber and modulational instability induced by cross-phase modulation. 2016 , 26, 015401	4
761	Vector single- and double-hump solitons for the coupled Sasa-Satsuma equations in optical media. 2016 , 63, 1087-1091	4
760	N-bright-Bright and N-dark-Dark solitons of the coupled generalized nonlinear Schrödinger equations. 2016 , 36, 366-377	12
759	Dark and bright pulses in a SOA-Based fiber ring laser. 2016 , 360, 35-39	7
758	Wavelength-tunable mid-infrared femtosecond Raman soliton generation in birefringent ZBLAN photonic crystal fiber. 2016 , 63, 484-494	6
757	Vector solitons in an extended coupled Schrödinger equations with modulated nonlinearities. 2016 , 30, 344-359	5
756	Compact bright pulse and ultrashort-pulse in the nonlinear Kerr-like media. 2017 , 43, 50-61	9
755	Graphene-Decorated Microfiber Photonic Device for Generation of Rogue Waves in a Fiber Laser. 2017 , 23, 20-25	23
754	Solitons and quasi-periodic behaviors in an inhomogeneous optical fiber. 2017 , 42, 477-490	36
753	Fourth-order split-step pseudo-spectral method for the modified nonlinear Schrödinger equation. 2017 , 12, 424-432	1
752	Some novel solutions for the two-coupled nonlinear Schrödinger equations. 2017 , 68, 163-170	12
751	Bilinear forms and solitons for a generalized sixth-order nonlinear Schrödinger equation in an optical fiber. 2017 , 132, 1	40
750	Bound-state solitons for the coupled variable-coefficient higher-order nonlinear Schrödinger equations in the inhomogeneous optical fiber. 2017 , 27, 035403	6
749	Vector bright soliton behaviors of the coupled higher-order nonlinear Schrödinger system in the birefringent or two-mode fiber. 2017 , 27, 013108	17

748	Transient magnetization dynamics in the free energy formulation of the Landau-Lifshitz equation. 2017 , 429, 324-329	3
747	Uniqueness of minimal blow-up solutions to nonlinear Schrödinger system. 2017 , 155, 186-197	1
746	Traveling Wave Solutions of a Two-Component Dullin-Gottwald-Holm System. 2017 , 12,	1
745	Exact bright-dark solitary wave solutions of the higher-order cubic-quintic nonlinear Schrödinger equation and its stability. 2017 , 138, 40-49	116
744	Higher-order effects on the properties of the optical compact bright pulse: Collective variable approach. 2017 , 95, 012215	3
743	Solitons for a generalized sixth-order variable-coefficient nonlinear Schrödinger equation for the attosecond pulses in an optical fiber. 2017 , 50, 128-141	46
742	Dynamics of vector dark solitons propagation and tunneling effect in the variable coefficient coupled nonlinear Schrödinger equation. 2017 , 27, 023113	8
741	Dynamics of the Davydov-Scott soliton with location or velocity mismatch of its high-frequency component. 2017 , 381, 1490-1492	2
740	W-shaped, bright and kink solitons in the quadratic-cubic nonlinear Schrödinger equation with time and space modulated nonlinearities and potentials. 2017 , 64, 1368-1376	12
739	A numerical scheme based on radial basis function finite difference (RBF-FD) technique for solving the high-dimensional nonlinear Schrödinger equations using an explicit time discretization: Runge-Kutta method. 2017 , 217, 23-34	51
738	Higher-Order Dispersion, Stability, and Waveform Invariance in Nonlinear Monoatomic and Diatomic Systems. 2017 , 139,	13
737	Special Property of Group Velocity for Temporal Dark Soliton. 2017 , 67, 425	
736	Riemann-Hilbert method and N-soliton for two-component Gerdjikov-Ivanov equation. 2017 , 24, 210	45
735	Solitons for the (3+1)-dimensional variable-coefficient coupled nonlinear Schrödinger equations in an optical fiber. 2017 , 109, 345-359	33
734	Persistence of nonlinear hysteresis in fractional models of Josephson transmission lines. 2017 , 53, 31-43	30
733	Fermi-Pasta-Ulam recurrence and modulation instability. 2017 , 105, 125-129	14
732	New envelope solitons for Gerdjikov-Ivanov model in nonlinear fiber optics. 2017 , 111, 326-334	46
731	Thirring dipole solitons in birefringent optical fibers with spatio-temporal dispersion, four-wave mixing and non-Kerr law nonlinearities. 2017 , 143, 2-6	2

730	Vector single- and double-hump solitons for the coupled Sasa-Satsuma equations in optical media. 2017 , 111, 350-359	1
729	Superfluidity of coherent light in self-focusing nonlinear waveguides. 2017 , 26, 046701	1
728	Many-soliton bound states in dispersion-managed optical fiber: Possibility of fiber-optic transmission of three bits per clock period. 2017 , 31, 1750178	4
727	The generalized nonlinear higher order of KdV equations from the higher order nonlinear Schrödinger equation and its solutions. 2017 , 139, 31-43	130
726	Multi-soliton solutions and Breathers for the generalized coupled nonlinear Hirota equations via the Hirota method. 2017 , 105, 172-182	74
725	Exact Soliton Solutions for the (2+1)-Dimensional Coupled Higher-Order Nonlinear Schrödinger Equations in Birefringent Optical-Fiber Communication. 2017 , 67, 273	7
724	Novel Nonlinear Optical Phenomena in Gas-Filled Hollow-Core Photonic Crystal Fibers. 2017 , 65-93	
723	Pulse Generation and Shaping Using Fiber Nonlinearities. 2017 , 115-146	
722	Waves in hyperbolic and double negative metamaterials including rogues and solitons. 2017 , 28, 444001	21
721	Bright and dark solitary wave soliton solutions for the generalized higher order nonlinear Schrödinger equation and its stability. 2017 , 7, 43-48	113
720	Dark solitons for a (2+1)-dimensional coupled nonlinear Schrödinger system with time-dependent coefficients in an optical fiber. 2017 , 104, 498-508	29
719	Dissipative optical bullets modeled by the cubic-quintic-septic complex Ginzburg-Landau equation with higher-order dispersions. 2017 , 48, 179-199	16
718	Solitons, Lax pair and infinitely-many conservation laws for a higher-order nonlinear Schrödinger equation in an optical fiber. 2017 , 132, 417-426	20
717	N-dark-dark solitons for the coupled higher-order nonlinear Schrödinger equations in optical fibers. 2017 , 31, 1750305	1
716	Effect of high-order dispersion on three-soliton interactions for the variable-coefficients Hirota equation. 2017 , 96, 042201	59
715	Modulation stability and optical soliton solutions of nonlinear Schrödinger equation with higher order dispersion and nonlinear terms and its applications. 2017 , 112, 422-434	83
714	Elliptic function and solitary wave solutions of the higher-order nonlinear Schrödinger dynamical equation with fourth-order dispersion and cubic-quintic nonlinearity and its stability. 2017 , 132, 1	78
713	Embracing nonlinearity. 2017 , 11, 537-539	2

712 Imaging with algorithms. **2017**, 11, 539-541

711 Numerical Analysis of Plasma KdV Equation: Time-Fractional Approach. **2017**, 3, 1325-1336 5

710 Rogue waves and W-shaped solitons in the multiple self-induced transparency system. **2017**, 27, 093106 24

709 Coupling nonlinear optical waves to photoreactive and phase-separating soft matter: Current status and perspectives. **2017**, 27, 104611 12

708 Dark-dark solitons for a coupled variable-coefficient higher-order nonlinear Schrödinger system in an inhomogeneous optical fiber. **2017**, 112, 20-29 4

707 Solitons in fibers with loss beyond small perturbation. **2017**, 96, 6

706 Symbolic computation on tunable nonautonomous solitons in inhomogeneous NLS system with generalized external potential. **2017**, 145, 240-249 24

705 Rogue wave solutions for the infinite integrable nonlinear Schrödinger equation hierarchy. **2017**, 96, 012219 25

704 Freak oscillation in a dusty plasma. **2017**, 95, 053207 8

703 Modulation instability analysis for the generalized derivative higher order nonlinear Schrödinger equation and its the bright and dark soliton solutions. **2017**, 31, 1353-1362 154

702 Ultrashort dark solitons interactions and nonlinear tunneling in the modified nonlinear Schrödinger equation with variable coefficient. **2017**, 37, 11-20 8

701 Bright and dark optical vortex solitons of $(3 + 1)$ -dimensional spatially modulated quintic nonlinear Schrödinger equation. **2017**, 147, 1-5 3

700 Dipole solitons in an extended nonlinear Schrödinger's equation with higher-order even and odd terms. **2017**, 145, 644-649 16

699 Hybrid photonic-crystal fiber. **2017**, 89, 123

698 Spatial Solitonic and Nonlinear Plasmonic Aspects of Metamaterials. **2017**, 419-469 0

697 Generation of higher-order rogue waves from multibreathers by double degeneracy in an optical fiber. **2017**, 95, 042217 49

696 Breather-to-soliton transformation rules in the hierarchy of nonlinear Schrödinger equations. **2017**, 95, 062226 11

695 Solitons in the nonlinear Schrödinger equation with two power-law nonlinear terms modulated in time and space. **2017**, 95, 062208 12

694	Dark soliton collisions for an N-coupled nonlinear Schrödinger system in the inhomogeneous optical fiber. 2017 , 27, 265-271	1
693	On the exact solutions of nonlinear Schrödinger equation with spin current. 2017 , 55, 79-84	6
692	Analytic study on certain solitons in an erbium-doped optical fibre. 2017 , 64, 366-373	12
691	Propagation properties of optical soliton in an erbium-doped tapered parabolic index nonlinear fiber: soliton control. 2017 , 87, 1575-1587	26
690	Nonlinear Optics. 2017 ,	19
689	Propagation of Light Pulse in Fiber and Optical Soliton. 2017 , 251-278	
688	Stokes solitons in optical microcavities. 2017 , 13, 53-57	95
687	Scattering data computation for the Zakharov-Shabat system with non-smooth potentials. 2017 , 116, 195-203	
686	Optical solitons and conservation laws with quadratic-cubic nonlinearity. 2017 , 128, 63-70	106
685	Soliton-Guided Quantum Information Processing. 2017 , 297-307	1
684	Bright optical solitons with Kerr law nonlinearity and fifth order dispersion. 2017 , 128, 172-177	28
683	Nonautonomous solitons, breathers and rogue waves for the cubic-quintic nonlinear Schrödinger equation in an inhomogeneous optical fibre. 2017 , 64, 317-328	2
682	Dipole solitons in optical metamaterials with Kerr law nonlinearity. 2017 , 128, 71-76	24
681	Dynamics of the higher-order rogue waves for a generalized mixed nonlinear Schrödinger model. 2017 , 42, 502-519	50
680	Dark solitons and Bäcklund transformation for the (2+1)-dimensional coupled nonlinear Schrödinger equation with the variable coefficients in a graded-index waveguide. 2017 , 101, 117-126	15
679	Investigation on chalcogenide and silica based photonic crystal fibers with circular and octagonal core. 2017 , 72, 40-45	13
678	Notes on Canonical Forms of Integrable Vector Nonlinear Schrödinger Systems. 2017 , 34, 100202	
677	Rational solutions of the Boussinesq equation and applications to rogue waves. 2017 , 1,	19

676	Influence of the longitudinal inhomogeneity of the coated graded-index planar waveguide on the nonlinear modulated pulse propagation. 2017 ,	
675	Modulational Instability in Linearly Coupled Asymmetric Dual-Core Fibers. 2017 , 7, 645	13
674	Digital signal processing for fiber nonlinearities [Invited]. 2017 , 25, 1916-1936	89
673	Discrete solitons in optical fiber systems with large pre-dispersion. 2017 , 25, 19923-19945	1
672	11-fs dark pulses generated via coherent absorption in plasmonic metamaterial. 2017 , 25, 22620-22625	12
671	Polarization-division multiplexing based on the nonlinear Fourier transform. 2017 , 25, 26437-26452	44
670	Soliton Content of Fiber-Optic Light Pulses. 2017 , 7, 635	16
669	Design and Analysis of Dispersion Engineered Rib Waveguides for On-Chip Mid-Infrared Supercontinuum. 2018 , 36, 1993-1999	15
668	Integrability and solitons for the higher-order nonlinear Schrödinger equation with space-dependent coefficients in an optical fiber. 2018 , 133, 1	20
667	Modulation Over Nonlinear Fourier Spectrum: Continuous and Discrete Spectrum. 2018 , 36, 1289-1295	48
666	Exact bright and dark solitary wave solutions of the generalized higher-order nonlinear Schrödinger equation describing the propagation of ultra-short pulse in optical fiber. 2018 , 2, 025030	7
665	Micro-Resonator Soliton Generated Directly with a Diode Laser. 2018 , 12, 1700307	17
664	Perturbations of Solitons in Optical Fibers. 2018 , 1-31	1
663	A Brief History of Fiber-Optic Soliton Transmission. 2018 , 1-47	1
662	Black and gray soliton interactions and cascade compression in the variable coefficient nonlinear Schrödinger equation. 2018 , 159, 176-188	3
661	Dispersion engineering of mode-locked fibre lasers. 2018 , 20, 033002	38
660	Anti-dark soliton interactions for the variable-coefficient nonlinear Schrödinger equation. 2018 , 161, 217-220	5
659	Route to Larger Pulse Energy in Ultrafast Fiber Lasers. 2018 , 24, 1-9	11

658	Darboux transformations, solitons, breathers and rogue waves for the modified Hirota equation with variable coefficients in an inhomogeneous fiber. 2018 , 50, 1	3
657	Nonlinear tunneling of bright and dark rogue waves in combined nonlinear Schrödinger and Maxwell-Bloch systems. 2018 , 65, 1111-1120	3
656	Bright, dark and W-shaped solitons with extended nonlinear Schrödinger's equation for odd and even higher-order terms. 2018 , 114, 53-61	39
655	New exact solutions for higher order nonlinear Schrödinger equation in optical fibers. 2018 , 50, 1	51
654	The Nth-order bright and dark solitons for the higher-order nonlinear Schrödinger equation in an optical fiber. 2018 , 120, 697-719	13
653	Collisions between the dark solitons for a nonlinear system in the geophysical fluid. 2018 , 107, 143-145	44
652	Dark solitons behaviors for a (2+1)-dimensional coupled nonlinear Schrödinger system in an optical fiber. 2018 , 111, 169-174	26
651	Dark solitons in an extended nonlinear Schrödinger equation with higher-order odd and even terms. 2018 , 164, 661-670	7
650	Dark solitons for the (2+1)-dimensional Davey-Stewartson-like equations in the electrostatic wave packets. 2018 , 93, 779-783	38
649	Vector solitons in coupled nonlinear Schrödinger equations with spatial stimulated scattering and inhomogeneous dispersion. 2018 , 54, 13-20	7
648	Identification of Coherent and Incoherent Spectral Sidebands in an Ultrafast Fiber Laser. 2018 , 24, 1-6	4
647	Novel singular solitons in optical metamaterials for self-steepening effect. 2018 , 154, 545-550	8
646	Solitons for a (2+1)-dimensional coupled nonlinear Schrödinger system with time-dependent coefficients in an optical fiber. 2018 , 28, 708-723	23
645	Gray and black optical solitons with quintic nonlinearity. 2018 , 154, 354-359	10
644	(2 + 1)-dimensional bright optical solitons in metamaterials with Kerr, power and parabolic law nonlinearities. 2018 , 59, 216-221	3
643	New classes of solutions in the coupled PT symmetric nonlocal nonlinear Schrödinger equations with four wave mixing. 2018 , 59, 387-395	11
642	Multi-dark soliton solutions for the higher-order nonlinear Schrödinger equation in optical fibers. 2018 , 91, 1921-1930	10
641	Combined effects of frequency and higher-order effects on soliton conversion in an erbium fiber with inhomogeneous broadening. 2018 , 91, 687-696	3

- 640 Modulation stability and dispersive optical soliton solutions of higher order nonlinear Schrödinger equation and its applications in mono-mode optical fibers. **2018**, 113, 419-429 24
- 639 Generalised Sasa-Batsuma Equation: Densities Approach to New Infinite Hierarchy of Integrable Evolution Equations. **2018**, 73, 1121-1128 2
- 638 Scaling Optical Soliton Dynamics Over Twelve Orders of Magnitude: from One Watt Picosecond Pulses to Terawatt-Scale Sub-Femtosecond Pulses. **2018**,
- 637 Solitons in Electromagnetism: From the Speculations of John Scott Russell to Optical Soliton Communications [Historical Corner]. **2018**, 60, 154-161 0
- 636 Bibliography. **2018**, 361-368
- 635 MODELING OF OPTICAL PULSE PROPAGATION IN KERR AND RAMAN NONLINEAR DISPERSIVE MEDIA USING JE-TLM METHOD. **2018**, 72, 69-77
- 634 Relativistic and pseudorelativistic formulation of nonlinear envelope equations with spatiotemporal dispersion. I. Cubic-quintic systems. **2018**, 98, 5
- 633 Soliton oscillations in the Zakharov-type system at arbitrary nonlinearity-dispersion ratio. **2018**, 117, 264-268
- 632 Toward Defeating Diffraction and Randomness for Laser Beam Propagation in Turbulent Atmosphere. **2018**, 108, 571-576 2
- 631 Solitary waves in optical fibers governed by higher-order dispersion. **2018**, 98, 17
- 630 Relativistic and pseudorelativistic formulation of nonlinear envelope equations with spatiotemporal dispersion. II. Saturable systems. **2018**, 98, 3
- 629 Lump and Stripe Soliton Solutions to the Generalized Nizhnik-Novikov-Veselov Equation. **2018**, 70, 521 8
- 628 Computing with Solitons. **2018**, 147-170
- 627 Effect of Temperature on Supercontinuum Generation in CS₂-Core Optical Fiber. **2018**, 10, 1-11 1
- 626 Dynamics of breather waves and higher-order rogue waves in a coupled nonlinear Schrödinger equation. **2018**, 123, 50005 48
- 625 Soliton and breather interactions for a coupled system. **2018**, 133, 1 31
- 624 General soliton solution to a nonlocal nonlinear Schrödinger equation with zero and nonzero boundary conditions. **2018**, 31, 5385-5409 72
- 623 Cnoidal and solitary waves of a nonlinear Schrödinger equation in an optical fiber. **2018**, 174, 508-512 7

622	Fiber-optic transmission and networking: the previous 20 and the next 20 years [Invited]. 2018 , 26, 24190-24239	36
621	Numerical solutions of a variable-coefficient nonlinear Schrödinger equation for an inhomogeneous optical fiber. 2018 , 76, 1827-1836	9
620	Conservation laws, modulation instability and solitons interactions for a nonlinear Schrödinger equation with the sextic operators in an optical fiber. 2018 , 50, 1	13
619	Controllable soliton interaction in three mode nonlinear optical fiber. 2018 , 175, 39-48	7
618	Developing High-Energy Dissipative Soliton 2 in Tm ³⁺ -Doped Fiber Lasers. 2018 ,	
617	Sasa-Satsuma hierarchy of integrable evolution equations. 2018 , 28, 053108	7
616	Analytic study on interactions between periodic solitons with controllable parameters. 2018 , 94, 703-709	94
615	On the Creation of Solitons in Amplifying Optical Fibers. 2018 , 2018, 1-11	2
614	Generalized Models and Non-classical Approaches in Complex Materials 2. 2018 ,	1
613	Superregular breathers and state transitions in a resonant erbium-doped fiber system with higher-order effects. 2018 , 382, 2650-2654	40
612	Analysis and design of fibers for pure-quartic solitons. 2018 , 26, 7786-7796	15
611	Dispersive optical soliton solutions of the higher-order nonlinear Schrödinger dynamical equation via two different methods and its applications. 2018 , 133, 1	14
610	Five-vortex spot patterns generated by diffraction of azimuthally X-shaped beam from a fork-shaped grating. 2018 , 428, 206-215	0
609	Dynamics of the breathers and rogue waves in the higher-order nonlinear Schrödinger equation. 2018 , 86, 298-304	56
608	A train of bright and dark-rogue wave solitons in a polariton fluid with inhomogeneous strength interaction. 2018 , 91, 1	0
607	Some types of dark soliton interactions in inhomogeneous optical fibers. 2018 , 50, 1	26
606	The n -component nonlinear Schrödinger equations: darkBright mixed N - and high-order solitons and breathers, and dynamics. 2018 , 474, 20170688	18
605	Propagation properties of dipole-managed solitons through an inhomogeneous cubicQuinticSeptic medium. 2018 , 425, 64-70	43

604	Inverse Cherenkov effect and control of optical solitons by resonant dispersive waves. 2018 , 98,	2
603	Do N-soliton breathers exist for the Hirota equation models?. 2018 , 173, 44-52	9
602	The Nth-order Darboux transformation, vector dark solitons and breathers for the coupled defocusing Hirota system in a birefringent nonlinear fiber. 2018 , 56, 2241-2253	7
601	Grayness-dependent emission of dispersive waves from dark solitons in optical fibers. 2018 , 43, 1511-1514	10
600	Dissipative Kerr solitons in optical microresonators. 2018 , 361,	455
599	Mixed lump-soliton solutions of the (3+1)-dimensional soliton equation. 2018 , 85, 77-81	18
598	An open source virtual laboratory for the Schrödinger equation. 2018 , 39, 055802	6
597	High-power mode-locked 2 μm multimode fiber laser. 2018 , 15, 085101	11
596	Harnessing energy-sharing collisions of Manakov solitons to implement universal NOR and OR logic gates. 2018 , 97, 060201	11
595	Interactions of vector anti-dark solitons for the coupled nonlinear Schrödinger equation in inhomogeneous fibers. 2018 , 94, 1351-1360	62
594	Some semirational solutions and their interactions on the zero-intensity background for the coupled nonlinear Schrödinger equations. 2019 , 67, 403-413	11
593	Two-breather solutions for the class I infinitely extended nonlinear Schrödinger equation and their special cases. 2019 , 98, 245-255	1
592	Generation of the Pulse Signals, Which are Analogs of Temporal Solitons, in an Active Ring Resonator with a Klystron Amplifier and a Spin-Wave Transmission Line. 2019 , 62, 33-51	
591	Phase dynamics of inhomogeneous Manakov vector solitons. 2019 , 100, 012213	3
590	Existence of periodic standing wave solutions for a system describing pulse propagation in an optical fiber. 2019 , 53, 87-107	
589	On the breathers and rogue waves to a (2+1)-dimensional nonlinear Schrödinger equation with variable coefficients. 2019 , 1-11	1
588	Outset of multiple soliton solutions to the nonlinear Schrödinger equation and the coupled Burgers equation. 2019 , 3, 095013	8
587	Solitary waves, breathers, and rogue waves modulated by long waves for a model of a baroclinic shear flow. 2019 , 100, 042210	75

586	Breather waves, high-order rogue waves and their dynamics in the coupled nonlinear Schrödinger equations with alternate signs of nonlinearities. 2019 , 127, 50005	20
585	Introduction. 2019 , 1-25	0
584	Pulse propagation in fibers. 2019 , 27-55	2
583	Optical solitons. 2019 , 127-187	
582	Isolated frequencies at which nonlinear materials behave linearly. 2019 , 100, 051002	4
581	Analytical methods via bright-dark solitons and solitary wave solutions of the higher-order nonlinear Schrödinger equation with fourth-order dispersion. 2019 , 33, 1950443	7
580	Nonintegrable spatial discrete nonlocal nonlinear schrödinger equation. 2019 , 29, 103129	1
579	All-Fiber Saturable Absorbers for Ultrafast Fiber Lasers. 2019 , 11, 1-19	7
578	Numerical study on nonlinear and chaotic effects in standard fibre using RK4IP method. 2019 , 15, 102613	2
577	Different complex wave structures described by the Hirota equation with variable coefficients in inhomogeneous optical fibers. 2019 , 125, 1	62
576	Dispersive solitary wave and soliton solutions of the gernalized third order nonlinear Schrödinger dynamical equation by modified analytical method. 2019 , 15, 102641	13
575	Bilinear forms and bright-dark solitons for a coupled nonlinear Schrödinger system with variable coefficients in an inhomogeneous optical fiber. 2019 , 62, 202-212	8
574	Breathers, multi-peak solitons, breather-to-soliton transitions and modulation instability of the variable-coefficient fourth-order nonlinear Schrödinger system for an inhomogeneous optical fiber. 2019 , 62, 274-283	15
573	Nondegenerate Solitons in Manakov System. 2019 , 122, 043901	30
572	Recent progress of study on optical solitons in fiber lasers. 2019 , 6, 021313	195
571	Doubly periodic solutions of the class-I infinitely extended nonlinear Schrödinger equation. 2019 , 99, 052217	6
570	Improved Soliton Amplitude Estimation via the Continuous Spectrum. 2019 , 37, 3087-3099	5
569	Soliton-soliton dynamics in a dual-core system with separated nonlinearity and nonuniform Bragg grating. 2019 , 97, 1515-1523	9

568	Soliton solutions of the generalised third-order nonlinear Schrödinger equation by two mathematical methods and their stability. 2019 , 93, 1	24
567	Dipole and Combo Optical Solitons in Birefringent Fibers in the Presence of Four-Wave Mixing. 2019 , 71, 723	7
566	A generalized Drude-Lorentz model for refractive index behavior of tellurite glasses. 2019 , 30, 16949-16955	5
565	Observation of vector solitons supported by third-order dispersion. 2019 , 99,	5
564	Cubic-quintic nonlinear Helmholtz equation: Modulational instability, chirped elliptic and solitary waves. 2019 , 29, 063121	11
563	Analytic study on triple-S, triple-triangle structure interactions for solitons in inhomogeneous multi-mode fiber. 2019 , 361, 325-331	37
562	Mixed lump-stripe, bright rogue wave-stripe, dark rogue wave-stripe and dark rogue wave solutions of a generalized Kadomtsev-Petviashvili equation in fluid mechanics. 2019 , 60, 440-449	55
561	Solitary and rogue waves with controllable backgrounds for the non-autonomous generalized AB system. 2019 , 96, 2535-2546	57
560	Interaction and energy transition between the breather and rogue wave for a generalized nonlinear Schrödinger system with two higher-order dispersion operators in optical fibers. 2019 , 97, 95-105	65
559	Time-Bandwidth Product Perspective for Nonlinear Fourier Transform-Based Multi-Eigenvalue Soliton Transmission. 2019 , 67, 5544-5557	6
558	Dual-Polarization NFDM Transmission With Continuous and Discrete Spectral Modulation. 2019 , 37, 2335-2343	23
557	Dynamics of Solitons in High-Order Nonlinear Schrödinger Equations in Fiber Optics. 2019 , 213-243	
556	Interaction of bright-dark solitons in a silicon-on-insulator optical waveguide. 2019 , 66, 1017-1028	1
555	A variable coefficient nonlinear Schrödinger equation: localized waves on the plane wave background and their dynamics. 2019 , 33, 1850121	1
554	Dynamics of three nonisospectral nonlinear Schrödinger equations. 2019 , 28, 020202	9
553	Dark soliton excitations and collisions for the (2+1)-dimensional variable-coefficient Davey-Stewartson-like equations in the plasmas or Bose-Einstein condensates. 2019 , 59, 160-165	12
552	High-energy pulse self-compression and ultraviolet generation through soliton dynamics in hollow capillary fibres. 2019 , 13, 547-554	84
551	Accelerated nonlinear interactions in graded-index multimode fibers. 2019 , 10, 1638	36

550	Frequency shifting for solitons based on transformations in the Fourier domain and applications. 2019 , 72, 306-323	6
549	Formation mechanism of asymmetric breather and rogue waves in pair-transition-coupled nonlinear Schrödinger equations. 2019 , 28, 010504	3
548	Stability of matter-wave solitons in a density-dependent gauge theory. 2019 , 99,	1
547	Selectively mode-locked high-order-mode 2- μ m thulium fiber laser. 2019 , 440, 95-99	2
546	Dynamics of soliton solutions of the nonlocal Kundu-nonlinear Schrödinger equation. 2019 , 29, 023120	11
545	Dromion-like soliton interactions for nonlinear Schrödinger equation with variable coefficients in inhomogeneous optical fibers. 2019 , 96, 729-736	55
544	Numerical Analysis of Soliton Propagation in a Tapered Waveguide. 2019 ,	
543	Dark broad-band solitons and opposite self-frequency shift. 2019 ,	1
542	Darboux transformations and rogue wave solutions of a generalized AB system for the geophysical flows. 2019 , 88, 201-208	105
541	Chirped bright and double-kinked quasi-solitons in optical metamaterials with self-steepening nonlinearity. 2019 , 66, 192-199	11
540	High-order soliton matrices for Sasa-Batsuma equation via local Riemann-Hilbert problem. 2019 , 45, 918-941	29
539	Propagation of chirped gray optical dips in nonlinear metamaterials. 2019 , 430, 461-466	26
538	Exact chirped singular soliton solutions of Triki-Biswas equation. 2019 , 181, 338-342	65
537	Multi-soliton propagation in generalized inhomogeneous NLS equation with symmetric potentials. 2019 , 181, 948-955	2
536	Split-step spectral Galerkin method for the two-dimensional nonlinear space-fractional Schrödinger equation. 2019 , 136, 257-278	19
535	Blow-up solutions to nonlinear Schrödinger system at multiple points. 2019 , 70, 1	1
534	Soliton slow light for closed loop quantum systems. 2019 , 94, 025103	
533	Modulation stability analysis and solitary wave solutions of nonlinear higher-order Schrödinger dynamical equation with second-order spatiotemporal dispersion. 2019 , 93, 1041-1049	18

532	Shape controlling of self-similar evolution in optical fibers. 2019 , 181, 449-457	2
531	Riemann-Hilbert Problem and Multi-Soliton Solutions of the Integrable Spin-1 Gross-Pitaevskii Equations. 2019 , 74, 139-145	7
530	A systematic analysis of parametric instabilities in nonlinear parabolic multimode fibers. 2019 , 4, 022803	20
529	Chirped soliton solutions in optical medium. 2019 , 51, 1	7
528	Pairwise three soliton interactions, soliton logic gates in coupled nonlinear Schrödinger equation with variable coefficients. 2019 , 69, 370-385	7
527	Interaction properties of solitonics in inhomogeneous optical fibers. 2019 , 95, 557-563	91
526	Lax pair, binary Darboux transformations and dark-soliton interaction of a fifth-order defocusing nonlinear Schrödinger equation for the attosecond pulses in the optical fiber communication. 2020 , 30, 389-402	50
525	Abundant excited optical breathers for a nonlinear Schrödinger equation with variable dispersion and nonlinearity terms in inhomogeneous fiber optics. 2020 , 201, 162821	16
524	Arising wave propagation in nonlinear media for the (2+1)-dimensional Heisenberg ferromagnetic spin chain dynamical model. 2020 , 538, 122846	25
523	High-order rational solutions and rogue wave for the (2 + 1)-dimensional nonlinear Schrödinger equation. 2020 , 95, 045204	3
522	Dynamics of solitons in the fourth-order nonlocal nonlinear Schrödinger equation. 2020 , 99, 1295-1300	3
521	Dark-Bright semi-rational solitons and breathers for a higher-order coupled nonlinear Schrödinger system in an optical fiber. 2020 , 102, 106110	41
520	Vector bright solitons and their interactions of the couple Fokas-Lenells system in a birefringent optical fiber. 2020 , 71, 1	80
519	Chalcogenide Taper and Its Nonlinear Effects and Sensing Applications. 2020 , 23, 100802	12
518	The Kundu-nonlinear Schrödinger Equation: Breathers, Rogue Waves and Their Dynamics. 2020 , 89, 014001	19
517	Impact of fifth order dispersion on soliton solution for higher order NLS equation with variable coefficients. 2020 , 5, 205-213	9
516	Rogue wave solutions of the vector Lakshmanan-Borsezian-Daniel equation. 2020 , 384, 126226	8
515	Propagation properties of chirped optical similaritons with dual-power law nonlinearity. 2020 , 140, 110158	7

514	Generalized reversible transformations and new nonautonomous higher order Nonlinear Schrödinger equation. 2020 , 223, 165452	5
513	Analogue Hawking radiation from black hole solitons in quantum Josephson transmission lines. 2020 , 102,	6
512	Quasi-periodic waves and irregular solitary waves of the AB system. 2020 , 1-11	4
511	Non-conservative variational approximation for nonlinear Schrödinger equations. 2020 , 135, 1	1
510	The dynamics of the smooth positon and b-positon solutions for the NLS-MB equations. 2020 , 102, 1761-1771	4
509	Quartic and dipole solitons in a highly dispersive optical waveguide with self-steepening nonlinearity and varying parameters. 2020 , 102,	6
508	Transformed nonlinear waves, state transitions and modulation instability in a three-component AB model for the geophysical flows. 2020 , 102, 349-362	4
507	Coupled nonlinear chirped solitons and bistable mode of laser pulse propagation in a medium with one-photon photoluminescence. 2020 , 218, 165258	
506	Mode-locked short pulses from an 8 th wavelength semiconductor laser. 2020 , 11, 5788	14
505	Random walks of trains of dissipative solitons. 2020 , 30, 073134	1
504	Mobility of localized beams in non-homogeneous photonic lattices. 2020 , 1547, 012023	
503	Quantum Fluctuations of the Center of Mass and Relative Parameters of Nonlinear Schrödinger Breathers. 2020 , 125, 050405	11
502	Optical soliton solutions for nonlinear complex Ginzburg-Landau dynamical equation with laws of nonlinearity Kerr law media. 2020 , 34, 2050179	3
501	Dynamic behaviors of optical solitons for Fokas-Lenells equation in optical fiber. 2020 , 224, 165237	3
500	Soliton Solutions and Collisions for the Multicomponent Gross-Pitaevskii Equation in Spinor Bose-Einstein Condensates. 2020 , 2020, 1-11	
499	Numerical study of bright-bright-dark soliton dynamics in the mixed coupled nonlinear Schrödinger system. 2020 , 224, 165633	2
498	"Fast" Plasmons Propagating in Graphene Plasmonic Waveguides with Negative Index Metamaterial Claddings. 2020 , 10,	2
497	Chirp-free optical dromions for the presence of higher order spatio-temporal dispersions and absence of self-phase modulation in birefringent fibers. 2020 , 34, 2050399	67

496	Soliton solutions and self-steepening in the photon-conserving nonlinear Schrödinger equation. 2020 , 1-17	2
495	Transmission stability of chirped bright vector quasi-solitons in birefringent fiber system with nonlinear gain. 2020 , 212, 164751	1
494	Stable soliton propagation in a coupled (2 + 1) dimensional Ginzburg-Landau system. 2020 , 29, 070502	30
493	A third-order nonlinear Schrödinger equation: the exact solutions, group-invariant solutions and conservation laws. 2020 , 14, 585-597	91
492	Solitary wave solutions of Kaup-Newell optical fiber model in mathematical physics and its modulation instability. 2020 , 34, 2050277	3
491	Controllable excitations of rogue waves and breathers in an inhomogeneous erbium doped fiber system. 2020 , 474, 126153	3
490	Molecular dynamics investigation of soliton propagation in a two-dimensional Yukawa liquid. 2020 , 60, e201900197	1
489	Fiber Amplifiers and Fiber Lasers Based on Stimulated Raman Scattering: A Review. 2020 , 11,	10
488	Visualizing the Invisible Soliton Pulsation in an Ultrafast Laser. 2020 , 14, 1900317	36
487	Optical soliton through induced cesium doppler broadening medium. 2020 , 95, 085102	10
486	Dark three-soliton for a nonlinear Schrödinger equation in inhomogeneous optical fiber. 2020 , 220, 165189	15
485	Inverse Scattering Transform and Soliton Classification of Higher-Order Nonlinear Schrödinger-Maxwell-Bloch Equations. 2020 , 203, 709-725	13
484	Some Models for the Interaction of Long and Short Waves in Dispersive Media: Part I Derivation. 2020 , 2, 327-359	3
483	Breather phase transitions for a three-component transient stimulated Raman scattering system in nonlinear optics. 2020 , 95, 085502	5
482	Nonlocal symmetries, Bäcklund transformation and interaction solutions for the integrable Boussinesq equation. 2020 , 34, 2050288	6
481	Interplay of the pseudo-Raman term and trapping potentials in the nonlinear Schrödinger equation. 2020 , 85, 105220	0
480	Characteristics of higher-order vector rogue waves to a coupled fourth-order nonlinear Schrödinger system in a two-mode optical fiber. 2020 , 135, 1	6
479	A meshfree approach for analysis and computational modeling of non-linear Schrödinger equation. 2020 , 39, 1	10

478	Highly dispersive optical solitons with cubic law and cubic-quintic-septic law nonlinearities. 2020 , 17, 103021	18
477	Numerical approaches for solving the nonlinear Schrödinger equation in the nonlinear fiber optics formalism. 2020 ,	5
476	Application of time transformation approach in optical pulse compression and supercontinuum generation by using suitable choices of fiber optic system. 2020 , 204, 164200	
475	Soliton generation in optical fiber networks. 2020 , 133, 109636	3
474	Propagation of dipole solitons in inhomogeneous highly dispersive optical-fiber media. 2020 , 101, 042220	10
473	Solitary wave and periodic solutions of nonlinear Schrödinger equation including higher order dispersions. 2020 , 472, 125866	5
472	Dissipative soliton stabilization by several nonlinear gradient terms. 2020 , 30, 043119	7
471	Review of Nontopological Solitons in Theories with U(1)-Symmetry. 2020 , 130, 301-320	13
470	Application of bifurcation method and rational sine-Gordon expansion method for solving 2D complex Ginzburg-Landau equation. 2020 , 34, 2050079	2
469	Breathers, rogue waves and their dynamics in a (2+1)-dimensional nonlinear Schrödinger equation. 2020 , 34, 2050234	1
468	Soliton control with inhomogeneous dispersion under the influence of tunable external harmonic potential. 2021 , 31, 474-485	10
467	Solitons and breathers for a generalized nonlinear Schrödinger equation via the binary Bell polynomials. 2021 , 179, 57-68	4
466	Tunable subluminal to superluminal propagation via spatio-temporal solitons by application of Laguerre fields intensities. 2021 , 388, 127041	11
465	Waves that Appear From Nowhere: Complex Rogue Wave Structures and Their Elementary Particles. 2021 , 8,	12
464	Exact analytical solution of a novel modified nonlinear Schrödinger equation: Solitary quantum waves on a lattice. 2021 , 146, 550-562	2
463	Nth-order rogue waves for the AB system via the determinants. 2021 , 112, 106714	10
462	Determinant representation of Darboux transformation for the (2+1)-dimensional nonlocal nonlinear Schrödinger-Maxwell-Bloch equations. 2021 , 228, 166150	2
461	Dispersive optical solitons for the Schrödinger-Hirota equation in optical fibers. 2021 , 35, 2150060	1

- 460 Bright, Dark, and Kink Solitary Waves in a Cubic-Quintic-Septic-Nonical Medium. 0
- 459 Magnetic Flux Density Superposition in Nonlinear Anisotropic Ferromagnetic Material and Resulting Magnetic Barkhausen Noise. **2021**, 1-1 0
- 458 Fiber-optic communications. **2021**, 309-368
- 457 Analysis of optical solitons solutions of two nonlinear models using analytical technique. **2021**, 6, 13258-13271 0
- 456 Optical Solitons via the Collective Variable Method for the Schrödinger-Hirota Equation. **2021**, 7, 1 3
- 455 Optical Sensor for Nonlinear and Quantum Optical Effects. 1
- 454 Difference Scheme of Nonlinear Schrödinger Equation. **2021**, 11, 496-502 1
- 453 Numerical Analysis of Magnetic Soliton Excited on Nonlinear LC Ladder Circuit Array Using Permanent Magnet Flux Biased Inductor. **2021**, 1-1 1
- 452 Rogue waves for the fourth-order nonlinear Schrödinger equation on the periodic background. **2021**, 31, 023129 6
- 451 Effect of decreasing pressure on soliton self-compression in higher-order modes of a gas-filled capillary. **2021**, 29, 7070-7083 3
- 450 Dark-bright soliton trapping in a fiber laser. **2021**, 46, 1105-1108 2
- 449 Multiple Modes-Induced Multi-Pair Cross-Phase Modulation Instability in the Deep Normal Dispersion Regime of a Tellurite High Birefringence Microstructured Optical Fiber. **2021**, 13, 1-9 1
- 448 Dark-managed solitons in inhomogeneous cubic-quintic-septimal nonlinear media. **2021**, 103, 2793-2803 3
- 447 Refractive index behavior of tellurite glasses. **2021**, 112, 110810 3
- 446 Chirped nonlinear resonant states in femtosecond fiber optics. **2021**, 227, 166094 6
- 445 Gaussian Pulse Propagation via Bright and Dark Solitons through an Atomic Medium. **2021**, 42, 117-125 3
- 444 Generation of wing-shaped dark soliton for perturbed Gerdjikov-Ivanov equation in optical fibre. **2021**, 230, 166328 2
- 443 Classification of Ground-states of a coupled Schrödinger system. **2021**, 28, 1

424	Optical soliton solutions to eight order nonlinear Schrödinger equation using some different methods. 2021 , 53, 1	2
423	Observation of Brozen-Phase Propagation of THz Pulses in a Dispersive Optical System. 2021 , 15, 2000591	1
422	Modulation instability analysis of a nonautonomous ((3+1))-dimensional coupled nonlinear Schrödinger equation. 2021 , 104, 4355	2
421	Effects of the septic nonlinearity and the initial value of the radius of orbital angular momentum beams on data transmission in optical fibers using the cubic-quintic-septic complex Ginzburg-Landau equation in presence of higher-order dispersions. 2021 , 147, 110957	3
420	Band-Gap Solitons in Nonlinear Photonic Crystal Waveguides and Their Application for Functional All-Optical Logic Gating. 2021 , 8, 250	2
419	Numerical Approximation of One- and Two-Dimensional Coupled Nonlinear Schrödinger Equation by Implementing Barycentric Lagrange Interpolation Polynomial DQM. 2021 , 2021, 1-18	
418	Optical soliton with Kudryashov equation via sine-Gordon expansion and Kudryashov methods. 2021 , 53, 1	4
417	Effects of ellipticity angle on soliton solutions and modulation instability spectra in two-core birefringent optical fibers. 2021 , 53, 1	1
416	Nonlinear tunneling of solitons in a variable coefficients nonlinear Schrödinger equation with (mathscr {PT})-symmetric RosenMorse potential. 2021 , 94, 1	3
415	Numerical Simulations on Polarization Quantum Noise Squeezing for Ultrashort Solitons in Optical Fiber with Enlarged Mode Field Area. 2021 , 8, 226	5
414	Control of Nonlinear Effects. 2021 , 317-357	
413	Soliton, breather, and rogue wave solutions for solving the nonlinear Schrödinger equation using a deep learning method with physical constraints*. 2021 , 30, 060202	17
412	Dynamic of the smooth positons of the higher-order ChenLeeLiu equation. 2021 , 104, 4329-4338	2
411	Higher-order spectral filtering effects on the dynamics of stationary soliton in dissipative systems in the presence of linear and nonlinear gain/loss. 2021 , 105, 2559-2573	0
410	Computational Soliton solutions for the variable coefficient nonlinear Schrödinger equation by collective variable method. 2021 , 53, 1	2
409	Higher-order Kerr nonlinear and dispersion effects on fiber optics. 2021 , 26, 104268	4
408	Nondegenerate Bright Solitons in Coupled Nonlinear Schrödinger Systems: Recent Developments on Optical Vector Solitons. 2021 , 8, 258	2
407	Capturing of solitons collisions and reflections in nonlinear Schrödinger type equations by a conservative scheme based on MOL. 2021 , 2021,	5

406	Solving forward and inverse problems of the nonlinear Schrödinger equation with generalized PT-symmetric Scarf-II potential via the PINNs deep learning.	4
405	On a Riemann-Hilbert problem for the NLS-MB equations. 2021 , 35, 2150420	1
404	Riemann-Hilbert approach and N-soliton solution for the Chen-Lee-Liu equation. 2021 , 136, 1	0
403	Extraction of new super-Gaussian solitons via collective variables. 2021 , 53, 1	3
402	Mid-infrared supercontinuum generation in soft-glass specialty optical fibers: A review. 2021 , 78, 100342	7
401	Exact solitary and periodic wave solutions of high-order nonlinear Schrödinger equation and their relationship with Hamilton energy. 2021 , 11, 085212	
400	Semi-rational solutions of N-coupled variable-coefficient nonlinear Schrödinger equation. 2021 , 241, 167061	0
399	Soliton interaction control through dispersion and nonlinear effects for the fifth-order nonlinear Schrödinger equation. 2021 , 106, 2479	22
398	Quantum-circuit black hole lasers. 2021 , 11, 19137	
397	Analogue Hawking Radiation in Nonlinear LC Transmission Lines. 2021 , 7, 334	1
396	Pure-quartic solitons and their generalizations—theory and experiments. 2021 , 6, 091101	3
395	Dispersion and phase managed optical soliton solutions of a nonautonomous (3+1)-dimensional coupled nonlinear Schrödinger equation. 2021 , 242, 166648	2
394	Generation of matter waves in Bose-Bose mixtures with helicoidal spin-orbit coupling. 2021 , 104,	1
393	Amplifier similariton fiber laser with a hybrid-mode-locking technique. 2021 , 29, 34977-34985	0
392	Degenerate soliton, breather and localized solutions for a nonlinear Schrödinger and Maxwell-Bloch system. 2021 , 121, 107362	0
391	Effects of viscosity and surface tension on soliton dynamics in the generalized KdV equation for shallow water waves. 2021 , 102, 105942	1
390	The N-fold degenerate Darboux transformation of the three component Kundu-Eckhaus equations: Novel interactions between soliton and positon solution. 2021 , 245, 167511	0
389	Dark-multi-soliton and soliton molecule solutions of stochastic nonlinear Schrödinger equation in the white noise space. 2021 , 121, 107405	1

388	Analytic combined bright-dark, bright and dark solitons solutions of generalized nonlinear Schrödinger equation using extended Sinh-Gordon equation expansion method. 2021 , 30, 104852	3
387	Even and odd nonautonomous NLSE hierarchy and reversible transformations. 2021 , 247, 167928	1
386	Mixed solutions for an AB system in geophysical fluids or nonlinear optics. 2022 , 124, 107632	0
385	Multi-soliton solutions for a higher-order coupled nonlinear Schrödinger system in an optical fiber via Riemann-Hilbert approach. 2021 , 103, 1805-1816	4
384	Theory of AM Mode-locking of a Laser as an Arbitrary Optical Function Generator. 2021 , 1-1	7
383	Photorefractive Solitons. 2006 , 317-367	2
382	System Analysis Using the Split Operator Method. 2002 , 127-140	2
381	Encyclopedia of Complexity and Systems Science. 2009 , 2323-2345	10
380	Encyclopedia of Complexity and Systems Science. 2009 , 6453-6459	2
379	Encyclopedia of Complexity and Systems Science. 2009 , 1376-1395	1
378	Solitons and WDM Solitons. 2008 , 295-338	1
377	Recent Trends in Laser Material Research. 1987 , 1-29	1
376	Computational Complexity. 2012 , 646-665	1
375	Soliton Self-wave Number Downshift Compensation by the Increasing Second-Order Dispersion. 2013 , 1-10	1
374	Particle and Wave Transmission in One-Dimensional Disordered Systems. 1995 , 63-166	1
373	Solitons in Optical Fibres. 1990 , 325-371	1
372	Ultrashort Pulse Propagation in Nonlinear Dispersive Fibers. 1989 , 91-116	1
371	Ultra-Short Soliton Stability in Distributed Fiber Amplifiers with Different Pumping Configurations. 1997 , 249-254	2

370	Soliton Systems in the Presence of Amplification, Irregularities, and Damping. 1994 , 341-356	1
369	Nonlinear Optics of Bistability and Pulse Propagation. 1988 , 225-252	1
368	Ultrashort Pulse Propagation in Nonlinear Dispersive Fibers. 2016 , 101-133	1
367	Fiber Nonlinearity and Optical System Performance. 2020 , 287-351	3
366	Exact Solutions to the Nonlinear Schrödinger Equation. 2010 , 1-12	1
365	Temporal and Spectral Nonlinear Pulse Shaping Methods in Optical Fibers. 2015 , 105-128	1
364	Introduction. 2008 , 3-36	3
363	The Inverse Scattering Problem for the Zakharov-Shabat System. 2008 , 97-132	1
362	Dissipative Nonlinear Structures in Fiber Optics. 2008 , 1-26	1
361	Multiscale Expansion and Integrability of Dispersive Wave Equations. 2009 , 215-244	9
360	Encyclopedia of Complexity and Systems Science. 2015 , 1-25	1
359	Nonlinear Dynamics: From Theory to Technology. 2003 , 497-521	1
358	Nonlinear Effects Associated with Plasma Instabilities. 1975 , 145-206	5
357	Ultrafast Switching Using Two-Color Soliton Collisions. 1990 , 138-141	1
356	Quantum Soliton Collisions: Logic and QND. 1994 , 194-202	1
355	Aspects of Soliton Physics. 1980 , 65-106	10
354	Integrable Higher Nonlinear Schrödinger Equations. 1991 , 243-245	1
353	Generation of Ultrashort Optical Pulses. 1988 , 5-34	1

352	Optical Nonlinearities with Ultrashort Pulses. 1988 , 35-112	3
351	Stability of Solitons. 1999 , 31-50	1
350	Nonlinear Evolution Equations, Quasi-Solitons and their Experimental Manifestation. 1990 , 165-221	2
349	Active Fibers. 1984 , 1-22	3
348	Nonlinear Optical Fibres. 1995 , 69-102	1
347	Nonlinearity in optical fibre communications. 1993 , 322-362	1
346	Nonlinear Dynamics of Parametric Wave-Mixing Interactions in Optics: Instabilities and Chaos. 1992 , 489-534	2
345	Integrability Aspects of Deformed Fourth-Order Nonlinear Schrödinger Equation. 2020 , 347-357	1
344	INTRODUCTION. 1989 , 1-25	3
343	WAVE PROPAGATION IN OPTICAL FIBERS. 1989 , 26-50	4
342	OPTICAL SOLITONS. 1989 , 104-146	3
341	INTRODUCTION. 1995 , 1-27	5
340	SELF-INDUCED WAVEGUIDES: SPATIAL OPTICAL SOLITONS. 1992 , 143-157	3
339	Soliton Lightwave Systems. 2001 , 367-438	2
338	PT symmetric cubic-quintic nonlinear Schrödinger equation with dual power nonlinearities and its solitonic solutions. 2020 , 217, 164665	2
337	Bäcklund and Darboux Transformations: Geometry and Modern Applications in Soliton Theory. 2002 ,	391
336	The pure-quartic soliton laser. 2020 , 14, 492-497	31
335	Experimental investigation of the polarization modulation instability and stimulated Raman scattering in a chalcogenide optical fiber. 2020 , 128, 193103	3

334	Modulational instability in a one-dimensional spin-orbit coupled Bose-Bose mixture. 2020 , 53, 245001	3
333	Transition from bird to butterfly shaped nonautonomous soliton and soliton switching in erbium doped resonant fiber. 2020 , 95, 105203	7
332	Dark solitons and modulational instability of the nonlinear left-handed transmission electrical line with fractional derivative order. 2020 , 95, 105803	3
331	Kuznetsov-Ma soliton and Akhmediev breather of higher-order nonlinear Schrödinger equation. 2016 , 25, 010507	3
330	Extreme optical fluctuations in lumped Raman fibre amplifiers. 2013 , 15, 064009	3
329	Emergence of breathers in non-linear pulse compression. 2020 , 22, 085502	0
328	Zn solitons in intertwined topological phases. 2020 , 102,	5
327	BRIGHT AND DARK SOLITARY WAVE SOLUTION FOR HIGHER ORDER NLS EQUATION WITH CUBIC AND QUINTIC EFFECTS. 2006 , 03, 119-126	3
326	Ultrafast Fiber Oscillators. 2002 ,	3
325	The Decomposition Method to Solve Differential Equations. 2012 , 193-232	1
324	Switchable generation of a sub-200 fs dissipative soliton and a noise-like pulse in a normal-dispersion Tm-doped mode-locked fiber laser. 2020 , 59, 3575-3581	7
323	Fiber-based phase-sensitive optical amplifiers and their applications. 2020 , 12, 367	21
322	Raman peak shifts due to walk-off in non-instantaneous Kerr media with higher-order effects. 2019 , 36, 3479	0
321	Modulational instability in nonlinear doped optical fiber induced by the cubic-quintic-septic complex Ginzburg-Landau equation with higher-order dispersions. 2020 , 37, A214	6
320	Functional all-optical logic gates for true time-domain signal processing in nonlinear photonic crystal waveguides. 2020 , 28, 18317-18331	6
319	Dynamic soliton communication. 1991 ,	0
318	Pulsating soliton with chaotic behavior in a fiber laser. 2018 , 43, 5965-5968	44
317	Observation of dark-bright vector solitons in fiber lasers. 2019 , 44, 2185-2188	18

- 316 Numerical algorithm with fourth-order accuracy for the direct Zakharov-Shabat problem. **2019**, 44, 2264-2267 9
- 315 Spatiotemporal-dressed optical solitons in hollow-core capillaries. **2018**, 1, 930 7
- 314 Dynamics of carbon nanotube-based mode-locking fiber lasers. **2020**, 9, 2731-2761 13
- 313 Solitons and collapses: two evolution scenarios of nonlinear wave systems. **2012**, 182, 569 9
- 312 A complete classification of ground-states for a coupled nonlinear Schrödinger system. **2017**, 16, 115-130 2
- 311 Existence and stability of a two-parameter family of solitary waves for a 2-coupled nonlinear Schrödinger system. **2015**, 36, 1005-1021 16
- 310 Impact of Quantum Fluctuations on the Modulational Instability of a Modified Gross-Pitaevskii Equation with Two-Body Interaction. **2012**, 03, 844-850 2
- 309 Dark soliton in the system of electromagnetically induced transparency. **2015**, 64, 064202 2
- 308 Soliton fusion and fission for the high-order coupled nonlinear Schrödinger system in fiber lasers. 9
- 307 Engineering quantum wave-packet dispersion with a strong nonresonant femtosecond laser pulse. **2021**, 3, 3
- 306 Higher-order dispersion and nonlinear effects of optical fibers under septic self-steepening and self-frequency shift. **2021**, 104, 044208 3
- 305 Traveling Wave Solutions and Chaotic Motions for a Perturbed Nonlinear Schrödinger Equation with Power-Law Nonlinearity and Higher-Order Dispersions. 0
- 304 Solving nonlinear Schrödinger equation by a new and fast method. **2021**, 96, 125238 0
- 303 Nonlinearly chirped self-similar waves on a cw background in inhomogeneous long optical waveguide. 1-9 0
- 302 Time-frequency analysis of light-bullet dynamics during femtosecond filamentation in the anomalous dispersion regime. **2021**, 104, 0 0
- 301 Stationary Hermite-Gaussian solitons and their control for nonlinear Schrödinger equation with complex potential. **2021**, 419, 127738 2
- 300 An exact soliton-like solution of cubic-quintic nonlinear Schrödinger equation with pure fourth order dispersion. **2021**, 31, 104880 1
- 299 The Optical Fibre. **2001**, 21-70 0

298 Exponential Localization Versus Soliton Propagation. **2001**, 3-17

297 Optical Soliton Theory and Its Applications in Communication. **2002**, 9-31

1

296 Nonlinear transmission techniques and solitons. **2002**, 307-339

295 Bertragungstrecken mit Zeitmultiplex. **2002**, 868-897

294 Attenuation and Nonlinear Effects in Waveguides. **2003**, 165-207

293 Optical Communications.

292 Optical Solitons.

291 References. **2006**, 261-270

290 Solitons in a Fiber Bragg Grating. **2006**, 251-280

289 Solitons Propagation in a Tandem Arrangement of Nonlinear Materials. **2006**,

288 SPLIT-STEP ALGORITHM BASED PROPAGATION MODELLING OF DARK SOLITON-LIKE PULSES. **2007**
, 27,

287 Introduction. **2008**, 1-10

286 Soliton and Nonlinear Wave Electronics. **2008**, 159-184

1

285 Encyclopedia of Complexity and Systems Science. **2009**, 6116-6175

284 Chromatic dispersion monitoring. **2010**, 67-99

283 ~~XXXXXXXXXX-XXX-XX-
XX~~
2011, 167, 465-478

282 Experiments on Long-Haul High-Capacity Transmission Systems. **2011**, 185-234

281 Numerical study of Hermite-Gaussian beams in nonlocal thermal media. **2011**, 60, 024214

4

- 280 Dark solitary waves in nonlocal nonlinear Schrödinger systems. **2011**, 4, 1327-1340
- 279 Soliton Pulse Model in Different Order for Communication Compatibility. **2011**, 203-205
- 278 Simulations of High-Capacity Long-Haul Optical Transmission Systems. **2011**, 123-184
- 277 Control of Nonlinear Effects. 407-458 ○
- 276 Dark and Bright optical solitons in Non-linear Schrödinger Equation: The Decomposition method. **2012**,
- 275 Mathematics of Complexity and Dynamical Systems. **2012**, 1205-1211
- 274 Dispersive Shock Waves in Reorientational and Other Optical Media. 391-409
- 273 Based on the Negative-Feedback Modulating of MZM Researching on Dark Pulse Generation. **2013**, 03, 56-60
- 272 Effekte der Kerr-Nichtlinearität in Glasfasern. **2014**, 173-203
- 271 Long Time Numerical Approximation of Coherent-Structure Solutions of the Cubic Schrödinger Equation. **2014**, 259-268
- 270 Nichtlineare Schrödinger-Gleichung. **2014**, 149-171
- 269 Nonlinear Wave Propagation in a Transparent Medium. **1975**, 373-379
- 268 Solitons in the Theory of Guided Lightwaves. **1979**, 323-351
- 267 Signal transmission by optical solitons in monomode fiber. **1981**,
- 266 Solitons, Plasma Waves, and Laser Pulses. **1982**, 65-107
- 265 Optical Pulse Compression Based on Enhanced Frequency Chirping. **1982**, 109-116 ○
- 264 Fiber Intensity discriminator for optical pulses. **1982**, 1
- 263 Nonlinear Propagation Effects in Glass Fibers. **1984**, 201-225

- 262 Nonlinear Optical Waveguide Devices. **1986**, 2-30 1
- 261 Optical soliton fibers. **1986**,
- 260 Solitons at the Zero Dispersion Wavelength of Single-Mode Fibers. **1986**, 65-67 2
- 259 Propagation in Optical Fibers. **1986**, 537-595
- 258 Soliton Propagation in Optical Fibres. **1988**, 328-342
- 257 Solitons in non-homogeneous medium. **1989**, 11-22
- 256 SELF-PHASE MODULATION. **1989**, 75-103 2
- 255 Envelope of a Light Wave. **1990**, 13-30
- 254 Nonlinear Propagation of Ultra-short Optical Pulses in Activated Fibers. **1990**, 157-161
- 253 4 GBit/s Soliton Data Transmission Experiment. **1990**, 3
- 252 Propagation in optical fibres. **1990**, 75-99
- 251 Soliton Stability. **1990**, 267-287
- 250 On the Generation of Optical Solitons. **1991**, 219-223
- 249 Two-Channel Soliton Pulse Propagation over 9,000 km with 10^{-9} Bit-Error-Rate. **1991**, 3
- 248 Solitons in Optical Fibres. **1991**, 263-265
- 247 Optical protocols for terabit networks. **1991**, 2
- 246 Spatial Solitons in a Self-Focusing Semiconductor Gain Medium. **1992**,
- 245 Optical Solitons. **1992**, 229-245

- 244 Optical techniques for beyond 10-Gbit/s systems. **1992**, 1
- 243 Soliton Dynamics in Tunnel-Coupled Fibers with Variable Coupling. **1992**, 219-224
- 242 Quantum Field Theory of Dielectrics and Solitons. **1993**, 65-76
- 241 Soliton Propagation in Optical Fibers with Random Parameters. **1993**, 211-225
- 240 Sharp Criteria for Wave Collapse and Wave Collapse Ideology in Application to Optical Pulses Compression. **1993**, 323-332
- 239 Squeezing of Classical Solitons. **1993**, 485-488
- 238 Hamilton Structure of Unstable Nonlinear Schrödinger Equation. **1993**, 101-104
- 237 Analytical Approaches to Solving Coupled Nonlinear Schroedinger Equations Using Maple V. **1994**, 83-89
- 236 Envelope and Hole Solitons in an Experimental Transmission Line. **1994**, 145-148
- 235 Spatial Optical Solitons Experiments. **1994**, 259-271 1
- 234 Propagation of Self-Trapped Optical Beams in Nonlinear Kerr Media and Photorefractive Crystals. **1994**, 95-108
- 233 OPTICAL SOLITONS. **1995**, 133-200 1
- 232 Optical Solitons in Communications: From Integrability To Controllability. **1995**, 85-90
- 231 Soliton Transmission at High Bit Rates through Distributed Erbium-doped Fibres. **1995**,
- 230 Fundamentals of Nonlinear Optics. **1995**, 1-74
- 229 WAVE PROPAGATION IN OPTICAL FIBERS. **1995**, 28-59 7
- 228 Modern Optical Communication Systems. **1995**, 593-616 1
- 227 High-Speed Fiber Transmission Using Optical Phase Conjugation. **1996**, 163-176

- 226 Nonlinear Theory of Soliton Instabilities. **1996**, 75-87 1
- 225 Linear Perspective of Solitons. **1996**, 263-275
- 224 Multi-Ten Gbit/s Soliton Transmission over Transoceanic Distances. **1996**, 375-391
- 223 Alternatives for Soliton Transmission over Transoceanic Distances. **1996**, 209-236
- 222 Optical Solitary Wave Solutions in Dispersive Linear Waveguides. **1996**, 847-850
- 221 Multiple Length Scales and Averaging in Modelling of Long-Distance Optical Fiber Transmission. **1996**,
- 220 Phase-Sensitive Amplification of Pulses in Nonlinear Optical Fibers. **1997**, 75-95
- 219 Nonintegrable Systems. **1997**, 234-271
- 218 The Timing Jitter Caused by Fluctuation of Gain in Soliton Communication Systems. **1997**, 211-216
- 217 Solitons in Femtosecond Lasers. **1997**, 61-68
- 216 Photon-Number Noise of Spectrally Filtered Optical Solitons. **1998**, 103-115
- 215 Soliton Transmission in the European Network. **1998**, 445-458
- 214 ~~40000000~~
~~40000000~~ **1999**, 120, 222-236
- 213 Pure-Quartic Solitons: the Interaction of Fourth Order Dispersion and Self Phase Modulation. **2015**,
- 212 Study on transmission characteristics of dark solitons in inhomogeneous optical fibers. **2015**, 64, 090504 3
- 211 Langmuir Solitons in Plasma with Inhomogeneous Electron Temperature and Space Stimulated Scattering on Damping Ion-Sound Waves. **2016**, 281-289
- 210 Basics of Nonlinear Processes. **2016**, 173-223
- 209 Technologies for the mitigation of transmission impairments in ultra-long haul submarine networks. **2016**, 237-260 1

208 Fibre Based Supercontinuum. **2016**, 199-245

207 Multi-soliton pulse characterization and compression. **2016**,

206 Multi-soliton pulse characterization and compression. **2016**,

205 References. **2016**, 135-156

204 C Tables in Finite Fields. **2017**, 466-471

203 Solitonic interaction and Bäcklund transformation for a generalized inhomogeneous coupled nonlinear Schrödinger system. **2017**, 56, 1

1

202 Solitons: A Cutting-Edge Scientific Proposal Explaining the Mechanisms of Acupuntural Action. **2018**, 09, 7-33

201 Communication with Fiber Optics. **2018**, 311-334

200 Phase-controlled stable solitons in nonlinear fibers. **2019**, 36, 1

0

199 A Brief History of Fiber-Optic Soliton Transmission. **2019**, 221-267

198 The Two Separate Optical Fibres Approach in Computing with 3NLS Domain Optical Solitons. **2019**, 253-280

197 New developments in the theory of rogue waves. **2019**,

196 Tappert transformation in nonlinear wave theory. **2019**,

195 Perturbations of Solitons in Optical Fibers. **2019**, 269-299

194 Adjoint sensitivity analysis approach for the nonlinear Schrödinger equation. **2019**, 44, 3940-3943

1

193 Effect of Fourth-Order Dispersion on Solitonic Interactions. **2020**, 65, 378

192 Nonlinear Photonic Crystals. **2020**, 199-250

191  **2020**, 203, 323-341

3

190	Family of optical solitons for perturbed Fokas-Lenells equation. 2021 , 249, 168224	6
189	Optical wave patterns of nonlinear Schrödinger equation with anti-cubic nonlinearity in optical fiber. 2021 , 31, 104889	1
188	Solutions for time-fractional coupled nonlinear Schrödinger equations arising in optical solitons. 2021 ,	5
187	Localized waves and breather-to-soliton conversions of the coupled Fokas-Lenells system. 2021 , 153, 111507	0
186	Calculations on nonlinear pulse propagation including attenuation and the suppression of anomalous dispersion. 1983 ,	
185	Extreme picosecond pulse narrowing via the soliton effect in single-mode optical fibers. 1983 ,	
184	Ultrashort pulses from a 8 μm wavelength semiconductor laser. 2020 ,	
183	Fast sixth-order algorithm based on the generalized Cayley transform for the Zakharov-Shabat system associated with nonlinear Schrodinger equation. 2022 , 448, 110764	
182	40 Gbit/s Multiple Dispersion Managed Soliton Transmission over 2700 Km. 2000 , 309-326	
181	Photorefractive Spatial Solitons. 2001 , 149-160	0
180	Polarisation fluctuations in nonlinear optical fibres. 1991 , 52-59	
179	Conversion of ultrashort optical solitons in the fibre-optical loop. 1991 , 69-76	
178	Compounds of Fiber-Optic Solitons. 2008 , 1-20	
177	Hamiltonian deformations and optical fibers. 1989 , 218-231	
176	From African Bam-tam to nonlinear optics [Invited]. 2020 , 37, A346	2
175	The effects of fourth-order dispersion on modulation instabilities in two-core optical fibers with asymmetric CW state. 2020 , 95, 115502	3
174	Binary Darboux transformation and multi-dark solitons for a higher-order nonlinear Schrödinger equation in the inhomogeneous optical fiber. 2020 , 72, 125002	0
173	Soliton interaction for Maxwell-Bloch system. 2020 , 221, 164960	

- 172 Optical solitons in optical metamaterials with anti-cubic nonlinearity. **2022**, 251, 168329 3
- 171 ~~XXXXXXXXXXXXXXXXXXXX~~
~~XXXXXXXXXXXX~~ **2021**, 209, 274-304
- 170 Riemann-Hilbert approach and (N)-soliton solutions of the generalized mixed nonlinear Schrödinger equation with nonzero boundary conditions. **2021**, 209, 1552-1578 0
- 169 Modulation of localized solutions of an inhomogeneous cigar-shaped superfluid fermion gas. **2022**, 107, 1205 0
- 168 Solitons propagation dynamics in a saturable PT-symmetric fractional medium. **2021**, 96, 125531
- 167 Interactional solutions of the extended nonlinear Schrödinger equation with higher-order operators. 1-0 0
- 166 Phase-sensitive seeded modulation instability in passive fiber resonators. **2022**, 5, 0
- 165 Riccati generalized resonant states of higher-order nonlinear Schrödinger equation with Pöschl-Teller potential. **2022**, 253, 168534
- 164 Rogue waves, semirational rogue waves and W-shaped solitons in the three-level coupled Maxwell-Bloch equations. **2022**, 107, 106172 4
- 163 Improved effective linearization of nonlinear Schrödinger waves by increasing nonlinearity. **2022**, 4, 0
- 162 Dispersive waves and radiation trapping in optical fibers with a zero-nonlinearity wavelength. 1-15 0
- 161 Propagation of Optical Pulses. **2022**, 511-544
- 160 The effects of polarization on soliton interactions inside optical fibers. **2022**, 54, 1
- 159 Ultrashort self-similar periodic waves and similaritons in an inhomogeneous optical medium with an external source and modulated coefficients. **2022**, 107, 3833 0
- 158 Nonlinear Propagation Equations. **2022**, 184-197
- 157 Phase-matching-induced near-chirp-free solitons in normal-dispersion fiber lasers.. **2022**, 11, 25 4
- 156 Generalized sixth-order dispersion solitons. **2022**, 105, 1
- 155 Dark solitons with anti-cubic and generalized anti-cubic nonlinearities in an optical fiber. **2022**, 255, 168641 1

154 Kink Soliton Dynamics in One-Dimensional Bose-Einstein Condensate with Higher-Order Nonlinear Interactions.

153 The Molecular Waves of Fifth-Order Integrable Nonlinear Schrödinger Equation. **2022**, 11, 1320-1325

152 Modulational instability in a tapered erbium doped fiber with inhomogeneous broadening. **2022**, 54, 1 0

151 A Comparison of the Undetermined Coefficient Method and the Adomian Decomposition Method for the Solutions of the Sasa-Satsuma Equation.

150 ~~Optical Soliton Generation in a Tapered Erbium-Doped Fiber Laser~~
~~Optical Soliton Generation in a Tapered Erbium-Doped Fiber Laser~~ **2022**, 210, 331-349

149 SOLITON WAVE GENERATION ON NONLINEAR TRANSMISSION LINES USING A PARTICLE SWARM OPTIMIZATION (PSO) ALGORITHM. 389-402

148 Amplifier similariton generation from a Yb-doped all-normal-dispersion fiber laser employing a hybrid-mode-locking technique. **2022**,

147 Optical soliton and modulation instability in the high birefringence fiber. 1 0

146 Ultrashort Pulse Train in Rare-Earth Doped Bimodal Optical Fiber. 0

145 Pulsating dynamics in a pure-quartic soliton fiber laser.. **2022**, 47, 1750-1753 0

144 Investigation of transmission properties of a practical double exponential pulse for communication and sensing application. **2022**, 255, 168735

143 Collisions of three higher order dark double- and single-hump solitons in optical fiber. **2022**, 157, 111816 1

142 Stability of nonparaxial gap-soliton bullets in waveguide gratings. **2022**, 158, 112034 0

141 The stability of bright/dark solitons in defocusing coupled nonlinear Schrödinger equation. **2022**, 5, 100342

140 Stationary solitons of the model with nonlinear chromatic dispersion and arbitrary refractive index. **2022**, 259, 168888 3

139 Computational multiscale method for parabolic wave approximations in heterogeneous media. **2022**, 425, 127044 1

138 Review: Dark pulse generation in fiber laser system. **2022**, 151, 108056 0

137 Soliton solutions for Hirota/Maxwell/Bloch system and its nonlocal form. **2022**, 36,

- 136 Towards Ultimate High-Power Scaling: Coherent Beam Combining of Fiber Lasers. **2021**, 8, 566 ○
- 135 Darboux Transformation for the Hirota Equation. **2022**, 18, 136-152
- 134 Riemann-Hilbert approach and N -soliton solutions of the generalized mixed nonlinear Schrödinger equation. **2022**, 210, 287-303 ○
- 133 Silicon Photonics Integrated Circuits for Soliton based Long Haul Optical Communication. **2022**, 1-1 ○
- 132 Microcavity Exciton-Polariton Quantum Spin Fluids. 2100137 ○
- 131 Bright solitons under the influence of third-order dispersion and self-steepening effect. **2022**, 54, ○
- 130 Impact of external potential and non-isospectral functions on optical solitons and modulation instability in a cubic quintic nonlinear media. **2022**, 159, 112186 ○
- 129 Numerical study of generalized 2-D nonlinear Schrödinger equation using Kansa method. **2022**, 200, 186-198 ○
- 128 Propagating chirped lambert W-kink solitons for ac-driven higher-order nonlinear Schrödinger equation with quadratic-cubic nonlinearity. **2022**, 137, 1
- 127 Nonlocal nonlinear Schrödinger equation on metric graphs: A model for generation and transport of parity-time-symmetric nonlocal solitons in networks. **2022**, 105, ○
- 126 Manipulation of Kerr cavity solitons based on projected super-position technique. **2022**, 520, 128462 ○
- 125 The N-soliton solution to the higher-order nonlinear Schrödinger-Maxwell-Bloch system via the Riemann-Hilbert approach. **2022**, 63, 051505
- 124 On dynamics of elliptic solitons in lossy optical fibers. ○
- 123 Continuous limit and location-manageable discrete loop rogue wave solutions for the semi-discrete complex short pulse equation. **2022**, 105680
- 122 Dynamics of optical solitons in the fifth-order nonlinear Schrödinger equation. **2022**, 264, 169350
- 121 The unified transform method to the high-order nonlinear Schrödinger equation with periodic initial condition.
- 120 Introduction. **2022**, 1-7
- 119 Waves Called Solitons. **2022**, 9-18

118 Solitons in Optical Fibers. **2022**, 81-100

117 Fiber Dispersion and Nonlinearity. **2022**, 19-34

116 Soliton Transmission Systems. **2022**, 101-119

115 Soliton motion in skyrmion chains: Stabilization and guidance by nanoengineered pinning. **2022**, 105, 1

114 Stable noise-like pulse generation from a NALM-based all-PM Tm-doped fiber laser. 2

113 Stationary states of parity-time symmetric dark solitons in super-Gaussian potential. **2022**, 169518 0

112 Riemann-Hilbert approach and N Double-Pole Solutions for a nonlinear Schrödinger-type equation. 0

111 Complex dynamics of perturbed solitary waves in a nonlinear saturable medium: A Melnikov approach. **2022**, 265, 169454 0

110 Real-Time Access to Collisions between a Two-Soliton Molecule and a Soliton Singlet in an Ultrafast Fiber Laser. **2022**, 9, 489 0

109 Binary Darboux transformation for the Gerdjikov-Ivanov equation. **2022**, 113, 102991 0

108 Optical solitons and qualitative analysis of nonlinear Schrodinger equation in the presence of self steepening and self frequency shift. **2022**, 39, 105753 0

107 Extended Vector Solitons with Significantly Different Frequencies of the Polarization Components. **2022**, 115, 634-637

106 Simple and cost-effective broad bandwidth fiber chirped pulse amplification laser system seeded by a nonlinear amplifier. **2022**, 61, 7025

105 Phase characters of optical dark solitons with third-order dispersion and delayed nonlinear response. **2022**, 106,

104 Soliton trapping and orthogonal Raman scattering in a birefringent photonic crystal fiber. **2022**, 47, 4183 1

103 Degenerate soliton, breather and mixed solutions for a coupled Hirota-Maxwell-Bloch system in an erbium-doped fiber. **2022**, 137,

102 Exact Solutions and Dynamical Behaviors of the Raman Soliton Model with Anti-Cubic Nonlinearity. **2022**, 21,

101 Twin spotlight beam generation in quadratic crystals. **2022**, 5,

- 100 Dark soliton solutions for the coupled variable-coefficient fourth-order nonlinear Schrödinger equations in the inhomogeneous optical fiber. **2022**, 114, 103042 0
- 99 Impact of spectral filtering on the stability of a stationary dissipative soliton in the complex cubic-quintic Ginzburg-Landau equation in the presence of higher-order effects. **2022**, 41, 105900
- 98 Application of the unified method to solve the Biswas-Arshed model. **2022**, 42, 105946 3
- 97 Dark solitary pulses and moving fronts in an optical medium with the higher-order dispersive and nonlinear effects. **2022**, 164, 112622 1
- 96 Dissipative solitons stabilized by nonlinear gradients in one spatial dimension: From deterministic to stochastic aspects, and a perspective. **2022**, 164, 112703 0
- 95 Application of Riemann-Hilbert method to an extended coupled nonlinear Schrödinger equations. **2023**, 420, 114812 1
- 94 Vector Vortex Solitons and Soliton Control in Vertical-Cavity Surface-Emitting Lasers. **2022**, 273-302 0
- 93 Dissipative Optical Solitons: An Introduction. **2022**, 1-14 0
- 92 Dissipative Solitons in Passively Mode-Locked Lasers. **2022**, 15-36 0
- 91 On a Coupled Nonlocal Nonlinear Schrödinger System. 0
- 90 Introduction. **2022**, 1-62 0
- 89 Experiments on Generation of Various Dark and Bright Pulses from an FM Mode-Locked Laser. **2022**, 1-1 1
- 88 Method for solving systems of differential equations with application in nonlinear optics. **2022**, 0
- 87 Coupled Intramodal Soliton Beams in a Thin Left-Handed Film on a Right-Handed Kerr Substrate. **2022**, 116, 18-21 0
- 86 Energy optimization of diffraction managed accessible solitons. **2022**, 39, 2804 0
- 85 Study of dissipative NLSE for dark and bright, multiwave, breather and M-shaped solitons along with some interactions in monochromatic waves. **2022**, 54, 0
- 84 Nonlinear Wave Molecules for the Lakshmanan-Borsezian-Daniel Equation in Nonlinear Optics and Biology. **2022**, 534, 2100545 1
- 83 Dipole and quadrupole nonparaxial solitary waves. **2022**, 32, 093106 0

82	Unexpected configurations for the optical solitons propagation in lossy fiber system with dispersion terms effect.	0
81	Cnoidal waves and dark solitons with linear third-order dispersion and self-steepening effect. 2022 , 170035	0
80	Quantitative analysis of soliton interactions based on the exact solutions of the nonlinear Schrödinger equation.	0
79	Passively mode-locked dual-wavelength Ho-doped fiber laser with noise-like pulse regime.	0
78	Integrability and Exact Solutions of the (2+1)-dimensional KdV Equation with Bell Polynomials Approach. 2022 , 38, 861-881	0
77	Bright and dark solitons in the systems with strong light-matter coupling: Exact solutions and numerical simulations. 2022 , 106,	0
76	Dynamics of rogue waves on a multi-soliton background for the three-component coupled Hirota equation.	0
75	Self-steepening and intrapulse Raman scattering in the presence of nonlinear gain and its saturation. 2022 , 170137	0
74	On a coupled nonlocal nonlinear Schrödinger system. 2022 , 164, 112761	0
73	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	0
72	Chirped localized pulses in a highly nonlinear optical fiber with quintic non-Kerr nonlinearities. 2022 , 43, 106040	0
71	All-polarization-maintaining figure-9 mode-locked Tm-doped fiber laser with amplitude noise and timing jitter suppression. 2022 , 1-6	0
70	Simple Equations Method (SEsM): An Effective Algorithm for Obtaining Exact Solutions of Nonlinear Differential Equations. 2022 , 24, 1653	1
69	Modulational instability in nonlinear saturable media with competing nonlocal nonlinearity. 2022 , 106,	0
68	Various Dynamical Management of Three Solitons Through Modulated Coefficients in a Real Lossy Fiber System. 2022 , 8,	0
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66	Partial Differential Equations that Lead to Solitons. 2009 , 193-201	0
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- 64 Characterization and manipulation of temporal structures of dispersive waves in a soliton fiber laser. **2022**, 1-8 ○
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- 49 Optical soliton: A memoir of its discovery and future prospects. **2023**, 532, 129222 ○
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- 46 Manipulating Explosion Dynamics of Dissipative Soliton in an Ultrafast Fiber Laser with Dynamic Dispersion Engineering. 2200103
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- 44 Behavior of Optical Solitons Which are Periodically Amplified by Stimulated Raman Process. **1984**,
- 43 Approximate solution to nonlinear pulse propagation in optical fibers. **1988**,
- 42 The Raman response function of silica-core fibers - Effects on soliton propagation. **1989**,
- 41 The Modulational Instability Laser. **1989**,
- 40 Observation of Two-Color Soliton Collisions in Optical Fiber. **1990**,
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- 16 Solitons with oscillating tails - can they be used as information carriers in optical communication lines?. **1995**, ○
- 15 Simulation of 10000 km Transmission with 20 Gb/s Signals Using Cancellation of Dispersion-Induced Kerr Effect. **1995**, ○
- 14 Limitation for Transmission Capacity in Soliton - based Optical - fibre Communications due to Stimulated Brillouin Scattering. **1991**, ○
- 13 Spatial Solitons in a Self-Focusing Semiconductor Gain Medium. **1992**, ○
- 12 Soliton Self-Trapping of Light Beams. **1991**, ○
- 11 Soliton Dynamics in Bimodal Optical Fibers. **1989**, ○

- 10 Experimental Observation of Picosecond Dark Soliton Propagation Over 1km Fiber in the Near Infrared. **1991**, ○
- 9 Combined Effect of Self-Phase Modulation and Dispersion in SLA Post-Amplified Transmission Systems. **1991**, ○
- 8 Optical Logic and Switching Using Solitons. **1987**, ○
- 7 Solitons at the zero dispersion wavelength of single-mode fibers. **1986**, ○
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- 1 Fibre-Based Supercontinuum. **2022**, 237-298 ○