Mehmet Ekici

List of Publications by Citations

240 papers	4,723 citations	35 h-index	52 g-index
243 ext. papers	6,126 ext. citations	2.7 avg, IF	6.61 L-index

#	Paper	IF	Citations
240	Optical soliton perturbation with fractional-temporal evolution by first integral method with conformable fractional derivatives. *Optik*, **2016**, 127, 10659-10669	2.5	119
239	Optical solitons with complex Ginzburg–Landau equation. *Nonlinear Dynamics*, **2016**, 85, 1979-2016	5	110
238	Optical solitons with Biswas–Milovic equation by extended trial equation method. *Nonlinear Dynamics*, **2016**, 84, 1883-1900	5	101
237	Solitons in magneto-optic waveguides by extended trial function scheme. *Superlattices and Microstructures*, **2017**, 107, 197-218	2.8	94
236	Mitigating Internet bottleneck with fractional temporal evolution of optical solitons having quadratic–cubic nonlinearity. *Optik*, **2018**, 164, 84-92	2.5	92
235	Interaction properties of solitonics in inhomogeneous optical fibers. *Nonlinear Dynamics*, **2019**, 95, 557-563	5	91
234	Analytical study of solitons in non-Kerr nonlinear negative-index materials. *Nonlinear Dynamics*, **2016**, 86, 623-638	5	85
233	Optical solitons with anti-cubic nonlinearity by extended trial equation method. *Optik*, **2017**, 136, 368-373	2.5	83
232	Highly dispersive optical solitons with Kerr law nonlinearity by F-expansion. *Optik*, **2019**, 181, 1028-1038	2.5	82
231	Extended trial equation method to generalized nonlinear partial differential equations. *Applied Mathematics and Computation*, **2013**, 219, 5253-5260	2.7	79
230	Exact chirped singular soliton solutions of Triki-Biswas equation. *Optik*, **2019**, 181, 338-342	2.5	65
229	Optical solitons with Biswas-Arshed equation by extended trial function method. *Optik*, **2019**, 177, 13-20	2.5	65
228	Explicit solitons in the parabolic law nonlinear negative-index materials. *Nonlinear Dynamics*, **2017**, 88, 595-607	5	58
227	Highly dispersive optical solitons with cubic-quintic-septic law by F-expansion. *Optik*, **2019**, 182, 897-906	2.5	57
226	Nematicons in liquid crystals by extended trial equation method. *Journal of Nonlinear Optical Physics and Materials*, **2017**, 26, 1750005	0.8	56
225	Optical solitons in birefringent fibers with Kerr nonlinearity by exp-function method. *Optik*, **2017**, 131, 964-976	2.5	55
224	Dromion-like soliton interactions for nonlinear Schrödinger equation with variable coefficients in inhomogeneous optical fibers. *Nonlinear Dynamics*, **2019**, 96, 729-736	5	55

223	Optical solitons in (2+1)-dimensions with Kundu-Mukherjee-Naskar equation by extended trial function scheme. *Chinese Journal of Physics*, **2019**, 57, 72-77	3.5	55
222	Optical solitons in DWDM system by extended trial equation method. *Optik*, **2017**, 141, 157-167	2.5	54
221	Optical soliton perturbation with Fokas-Lenells equation using three exotic and efficient integration schemes. *Optik*, **2018**, 165, 288-294	2.5	54
220	Exact solitons to generalized resonant dispersive nonlinear Schrödinger's equation with power law nonlinearity. *Optik*, **2017**, 130, 178-183	2.5	52
219	Optical solitons with Lakshmanan-Porsezian-Daniel model using a couple of integration schemes. *Optik*, **2018**, 158, 705-711	2.5	50
218	The analytical study of solitons to the nonlinear Schrödinger equation with resonant nonlinearity. *Optik*, **2017**, 130, 378-382	2.5	50
217	Dark and singular optical solitons with Kundu-Eckhaus equation by extended trial equation method and extended G?/G-expansion scheme. *Optik*, **2016**, 127, 10490-10497	2.5	48
216	Sub-pico-second chirped optical solitons in mono-mode fibers with Kaup-Newell equation by extended trial function method. *Optik*, **2018**, 168, 208-216	2.5	47
215	Highly dispersive optical solitons with cubic-quintic-septic law by extended Jacobi's elliptic function expansion. *Optik*, **2019**, 183, 571-578	2.5	46
214	The investigation of soliton solutions of the coupled sine-Gordon equation in nonlinear optics. *Journal of Modern Optics*, **2017**, 64, 1677-1682	1.1	43
213	Highly dispersive optical solitons with undetermined coefficients. *Optik*, **2019**, 182, 890-896	2.5	43
212	Cubic-quartic optical solitons in birefringent fibers with four forms of nonlinear refractive index by exp-function expansion. *Results in Physics*, **2020**, 16, 102913	3.7	42
211	Highly dispersive optical solitons with quadratic-cubic law by F-expansion. *Optik*, **2019**, 182, 930-943	2.5	42
210	Dispersive optical solitons with Schrödinger-Hirota equation by extended trial equation method. *Optik*, **2017**, 136, 451-461	2.5	41
209	Solitons and conservation laws in magneto-optic waveguides with triple-power law nonlinearity. *Journal of Optics (India)*, **2020**, 49, 584-590	1.3	41
208	Periodic oscillations of dark solitons in nonlinear optics. *Optik*, **2018**, 165, 341-344	2.5	40
207	Solitons in optical metamaterials with fractional temporal evolution. *Optik*, **2016**, 127, 10879-10897	2.5	40
206	Highly dispersive optical solitons with kerr law nonlinearity by extended Jacobi's elliptic function expansion. *Optik*, **2019**, 183, 395-400	2.5	37

205	Soliton solutions to a few fractional nonlinear evolution equations in shallow water wave dynamics. *European Physical Journal Plus*, **2016**, 131, 1	3.1	35
204	Optical solitons with Kudryashov's equation by extended trial function. *Optik*, **2020**, 202, 163290	2.5	35
203	Optical solitons with DWDM technology and four-wave mixing. *Superlattices and Microstructures*, **2017**, 107, 254-266	2.8	34
202	Oblique resonant optical solitons with Kerr and parabolic law nonlinearities and fractional temporal evolution by generalized exp(−Ω(ξ))-expansion. *Optik*, **2019**, 178, 439-448	2.5	34
201	Optical solitons with Radhakrishnan-Kundu-Lakshmanan equation by extended trial function scheme. *Optik*, **2018**, 160, 415-427	2.5	33
200	Analysis of optical solitons in nonlinear negative-indexed materials with anti-cubic nonlinearity. *Optical and Quantum Electronics*, **2018**, 50, 1	2.4	33
199	Optical solitons of some fractional differential equations in nonlinear optics. *Journal of Modern Optics*, **2017**, 64, 2345-2349	1.1	33
198	Optical soliton perturbation with full nonlinearity for Fokas-Lenells equation. *Optik*, **2018**, 165, 29-34	2.5	32
197	Optical solitons with differential group delay for coupled Fokas-Lenells equation by extended trial function scheme. *Optik*, **2018**, 165, 102-110	2.5	32
196	Solitons in optical fiber Bragg gratings with dispersive reflectivity by extended trial function method. *Optik*, **2019**, 182, 88-94	2.5	32
195	Dark-singular combo optical solitons with fractional complex Ginzburg-Landau equation. *Optik*, **2018**, 171, 463-467	2.5	32
194	Chirped optical solitons of Chen-Lee-Liu equation by extended trial equation scheme. *Optik*, **2018**, 156, 999-1006	2.5	31
193	Analytical study of solitons to Biswas-Milovic model in nonlinear optics. *Journal of Modern Optics*, **2016**, 63, 2131-2137	1.1	31
192	Bright soliton interactions in a (mathbf (2 +mathbf 1))-dimensional fourth-order variable-coefficient nonlinear Schrödinger equation for the Heisenberg ferromagnetic spin chain. *Nonlinear Dynamics*, **2019**, 95, 983-994	5	31
191	Solitons in optical metamaterials with anti-cubic nonlinearity. *European Physical Journal Plus*, **2018**, 133, 1	3.1	31
190	Soliton solutions for Davydov solitons in α-helix proteins. *Superlattices and Microstructures*, **2017**, 102, 323-341	2.8	30
189	Highly dispersive optical solitons in birefringent fibers with four nonlinear forms using Kudryashov's approach. *Journal of Optics (India)*, **2021**, 50, 120-131	1.3	30
188	Highly dispersive optical solitons with cubic-quintic-septic law by exp-expansion. *Optik*, **2019**, 186, 321-325	2.5	29

187	Optical solitons with Lakshmanan–Porsezian–Daniel model by modified extended direct algebraic method. *Optik*, **2018**, 162, 228-236	2.5	29
186	Highly dispersive optical solitons with non-local nonlinearity by exp-function. *Optik*, **2019**, 186, 288-292	2.5	28
185	Highly dispersive optical solitons with non-local nonlinearity by extended Jacobi's elliptic function expansion. *Optik*, **2019**, 184, 277-286	2.5	27
184	Optical solitons with complex Ginzburg–Landau equation for two nonlinear forms using F-expansion. *Chinese Journal of Physics*, **2019**, 61, 255-261	3.5	27
183	Chirped and chirp-free optical solitons with generalized anti-cubic nonlinearity by extended trial function scheme. *Optik*, **2019**, 178, 636-644	2.5	26
182	Highly dispersive optical solitons with non-local nonlinearity by F-expansion. *Optik*, **2019**, 183, 1140-1150	2.5	25
181	Optical soliton perturbation for Gerdjikov–Ivanov equation by extended trial equation method. *Optik*, **2018**, 158, 747-752	2.5	24
180	Optical solitons having anti-cubic nonlinearity with a couple of exotic integration schemes. *Optik*, **2018**, 172, 794-800	2.5	24
179	Optical solitons and conservation laws of Kudryashov's equation using undetermined coefficients. *Optik*, **2020**, 202, 163417	2.5	24
178	Optical solitons and conservation laws of Kudryashov's equation with improved modified extended tanh-function. *Optik*, **2021**, 225, 165406	2.5	24
177	Analytical study of solitons in the fiber waveguide with power law nonlinearity. *Superlattices and Microstructures*, **2017**, 101, 493-506	2.8	23
176	Solitons in magneto-optic waveguides with Kudryashov's law of refractive index. *Chaos, Solitons and Fractals*, **2020**, 140, 110129	9.3	23
175	Optical solitons and conservation laws associated with Kudryashov?s sextic power-law nonlinearity of refractive index. *Ukrainian Journal of Physical Optics*, **2021**, 22, 38-49	1.2	23
174	Optical solitons in nonlinear negative-index materials with quadratic-cubic nonlinearity. *Superlattices and Microstructures*, **2017**, 109, 176-182	2.8	22
173	Optical solitons in fiber Bragg gratings with dispersive reflectivity for parabolic law nonlinearity by extended trial function method. *Optik*, **2019**, 183, 595-601	2.5	22
172	Cubic-quartic optical soliton perturbation by semi-inverse variational principle. *Optik*, **2019**, 185, 45-49	2.5	22
171	F-expansion method and new exact solutions of the Schrödinger-KdV equation. *Scientific World Journal, The*, **2014**, 2014, 534063	2.2	22
170	Optical solitons in birefringent fibers with Kundu-Eckhaus equation. *Optik*, **2019**, 178, 550-556	2.5	22

169	Optical solitons with Kudryashov's equation by F-expansion. *Optik*, **2019**, 199, 163338	2.5	21
168	Optical solitons and conservation laws with generalized Kudryashov's law of refractive index. *Chaos, Solitons and Fractals*, **2020**, 139, 110284	9.3	21
167	Some new exact wave solutions and conservation laws of potential Korteweg-de Vries equation. *Nonlinear Dynamics*, **2017**, 89, 501-508	5	20
166	Suppressing internet bottleneck with fractional temporal evolution of cubic-quartic optical solitons. *Optik*, **2019**, 182, 303-307	2.5	20
165	Highly dispersive optical solitons with quadratic-cubic law by exp-function. *Optik*, **2019**, 186, 431-435	2.5	20
164	Optical solitons in fiber Bragg gratings with dispersive reflectivity for quadratic-cubic nonlinearity by extended trial function method. *Optik*, **2019**, 185, 50-56	2.5	20
163	W-shaped and bright optical solitons in negative indexed materials. *Chaos, Solitons and Fractals*, **2019**, 123, 101-107	9.3	20
162	Optical soliton perturbation in magneto-optic waveguides. *Journal of Nonlinear Optical Physics and Materials*, **2018**, 27, 1850005	0.8	20
161	Optical soliton perturbation with full nonlinearity for Kundu-Eckhaus equation by extended trial function scheme. *Optik*, **2018**, 160, 17-23	2.5	20
160	Optical solitons in birefringent fibers with quadratic-cubic nonlinearity by extended G?/G-expansion scheme. *Optik*, **2019**, 178, 59-65	2.5	20
159	Highly dispersive optical soliton perturbation with cubic-quintic-septic refractive index by semi-inverse variational principle. *Optik*, **2019**, 199, 163322	2.5	19
158	Optical solitons in birefringent fibers with Lakshmanan-Porsezian-Daniel model by modified simple equation. *Optik*, **2019**, 192, 162899	2.5	19
157	Optical soliton perturbation with Chen-Lee-Liu equation. *Optik*, **2020**, 220, 165177	2.5	19
156	Optical soliton perturbation with Kudryashov's equation by semi-inverse variational principle. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2020**, 384, 126830	2.3	19
155	Optical solitons for Lakshmanan-Porsezian-Daniel model by Riccati equation approach. *Optik*, **2019**, 182, 922-929	2.5	18
154	Optical solitons for Gerdjikov-Ivanov model by extended trial equation scheme. *Optik*, **2018**, 157, 1241-1248	2.5	18
153	Exact solitary wave solutions to the new (3 + 1)-dimensional generalized Kadomtsev-Petviashvili equation. *Optik*, **2017**, 128, 77-82	2.5	18
152	Optical Solitons in Nano-Fibers with Fractional Temporal Evolution. *Journal of Computational and Theoretical Nanoscience*, **2016**, 13, 5361-5374	0.3	18

151	Optical solitons for higher-order nonlinear Schrödinger's equation with three exotic integration architectures. *Optik*, **2019**, 179, 861-866	2.5	18
150	Optical solitons in birefringent fibers for Radhakrishnan–Kundu–Lakshmanan equation with five prolific integration norms. *Optik*, **2020**, 208, 164550	2.5	17
149	Optical solitons in birefringent fibers for Lakshmanan–Porsezian–Daniel model by extended Jacobi's elliptic function expansion scheme. *Optik*, **2018**, 172, 651-656	2.5	17
148	Optical soliton perturbation with Fokas-Lenells model by Riccati equation approach. *Optik*, **2018**, 172, 741-745	2.5	17
147	Solitons and conservation laws in magneto-optic waveguides with generalized Kudryashov's equation. *Chinese Journal of Physics*, **2021**, 69, 186-205	3.5	17
146	Soliton and other solutions of nonlinear time fractional parabolic equations using extended G?/G-expansion method. *Optik*, **2017**, 130, 1312-1319	2.5	16
145	Highly dispersive optical solitons with Kerr law nonlinearity by exp-function. *Optik*, **2019**, 185, 121-125	2.5	15
144	Optical solitons and other solutions with anti-cubic nonlinearity by Lie symmetry analysis and additional integration architectures. *Optik*, **2019**, 185, 30-38	2.5	15
143	Solitons in magneto-optic waveguides with quadratic–cubic nonlinearity. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2020**, 384, 126456	2.3	15
142	Optical solitons in birefringent fibers by extended trial equation method. *Optik*, **2016**, 127, 11311-11325	2.5	15
141	Solitons and other solutions to Wu–Zhang system. *Nonlinear Analysis: Modelling and Control*, **2017**, 22, 441-458	1.3	15
140	Optical solitons with complex Ginzburg-Landau equation having a plethora of nonlinear forms with a couple of improved integration norms. *Optik*, **2020**, 207, 163804	2.5	15
139	Solitons in nonlinear directional couplers with optical metamaterials by exp(−Ω(ξ))-expansion. *Optik*, **2019**, 179, 443-462	2.5	15
138	Cubic-quartic optical solitons and conservation laws with Kudryashov's sextic power-law of refractive index. *Optik*, **2021**, 227, 166059	2.5	15
137	Soliton interactions for optical switching systems with symbolic computation. *Optik*, **2018**, 175, 177-180	2.5	15
136	Optical solitons with differential group delay and dual-dispersion for Lakshmanan–Porsezian–Daniel model by extended trial function method. *Optik*, **2018**, 170, 512-519	2.5	15
135	Optical solitons in fiber Bragg gratings with dispersive reflectivity for parabolic law nonlinearity using undetermined coefficients. *Optik*, **2019**, 185, 39-44	2.5	14
134	Optical solitons in fiber Bragg gratings having Kerr law of refractive index with extended Kudryashov's method and new extended auxiliary equation approach. *Chinese Journal of Physics*, **2020**, 66, 187-205	3.5	14

133	Dispersive solitons in optical fibers and DWDM networks with Schrödinger–Hirota equation. *Optik*, **2019**, 199, 163214	2.5	14
132	Parallel propagation of dispersive optical solitons by extended trial equation method. *Optik*, **2017**, 144, 565-572	2.5	14
131	Cubic–quartic optical soliton perturbation and conservation laws with Kudryashov's law of refractive index. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2020**, 384, 126884	2.3	14
130	Optical solitons in birefringent fibers with quadratic–cubic nonlinearity by extended trial function scheme. *Optik*, **2019**, 176, 542-548	2.5	14
129	Cubic–quartic optical soliton perturbation with Lakshmanan–Porsezian–Daniel model by sine-Gordon equation approach. *Journal of Optics (India)*, **2021**, 50, 322-329	1.3	14
128	Highly dispersive optical solitons in absence of self-phase modulation by Jacobi's elliptic function expansion. *Optik*, **2019**, 189, 109-120	2.5	13
127	Highly dispersive optical solitons in birefringent fibers with four forms of nonlinear refractive index by three prolific integration schemes. *Optik*, **2020**, 220, 165039	2.5	13
126	Optical solitons and other solutions to Kudryashov's equation with three innovative integration norms. *Optik*, **2020**, 211, 164431	2.5	13
125	Optical solitons in parabolic law medium with weak non-local nonlinearity using modified extended direct algebraic method. *Optik*, **2018**, 161, 180-186	2.5	13
124	Optical solitons with modified extended direct algebraic method for quadratic-cubic nonlinearity. *Optik*, **2018**, 162, 161-171	2.5	13
123	Highly dispersive optical soliton perturbation with Kerr law by semi-inverse variational principle. *Optik*, **2019**, 199, 163226	2.5	13
122	Stationary optical solitons with Sasa–Satsuma equation having nonlinear chromatic dispersion. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2020**, 384, 126721	2.3	13
121	Optical solitons and conservation law in birefringent fibers with Kundu–Eckhaus equation by extended trial function method. *Optik*, **2019**, 179, 471-478	2.5	13
120	Stationary optical solitons with Kudryashov's laws of refractive index. *Chaos, Solitons and Fractals*, **2021**, 151, 111226	9.3	13
119	Conservation laws for highly dispersive optical solitons. *Optik*, **2019**, 199, 163283	2.5	12
118	Optical solitons in birefringent fibers having anti-cubic nonlinearity with exp-function. *Optik*, **2019**, 186, 363-368	2.5	12
117	Optical solitons in birefringent fibers having anti-cubic nonlinearity with extended trial function. *Optik*, **2019**, 185, 456-463	2.5	12
116	Optical solitons with Kudryashov's model by a range of integration norms. *Chinese Journal of Physics*, **2020**, 66, 660-672	3.5	12

115	Optical network topology with DWDM technology for log law medium. *Optik*, **2018**, 160, 353-360	2.5	12
114	Optical soliton perturbation with fractional temporal evolution by extended G?/G-expansion method. *Optik*, **2018**, 161, 301-320	2.5	12
113	Optical soliton perturbation with fractional temporal evolution by generalized Kudryashov's method. *Optik*, **2018**, 164, 303-310	2.5	12
112	Stationary optical solitons with Kudryashov's quintuple power□law of refractive index having nonlinear chromatic dispersion. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2022**, 426, 127885	2.3	12
111	Chirped and chirp-free optical solitons in fiber Bragg gratings having dispersive reflectivity with polynomial form of nonlinearity using sub-ODE approach. *Optik*, **2020**, 204, 164096	2.5	12
110	Pure-cubic optical soliton perturbation with full nonlinearity by unified Riccati equation expansion. *Optik*, **2020**, 223, 165445	2.5	12
109	Pure-cubic optical soliton perturbation with full nonlinearity. *Optik*, **2020**, 222, 165394	2.5	12
108	Highly dispersive optical solitons perturbation having Kudryashov□ arbitrary form with sextic-power law refractive index and generalized non-local laws. *Optik*, **2021**, 228, 166120	2.5	12
107	Highly dispersive optical solitons in absence of self-phase modulation by exp-function. *Optik*, **2019**, 186, 436-442	2.5	11
106	Optical soliton perturbation with quadratic-cubic nonlinearity by mapping methods. *Chinese Journal of Physics*, **2019**, 60, 632-637	3.5	11
105	Optical solitons having anti-cubic nonlinearity with strategically sound integration architectures. *Optik*, **2019**, 185, 57-70	2.5	11
104	Dispersive optical solitons with differential group delay by extended trial equation method. *Optik*, **2018**, 158, 790-798	2.5	11
103	Resonant optical soliton perturbation with anti-cubic nonlinearity by extended trial function method. *Optik*, **2018**, 156, 784-790	2.5	11
102	Optical Solitons in Cascaded System by Extended Trial Function Method. *Journal of Computational and Theoretical Nanoscience*, **2016**, 13, 5394-5398	0.3	11
101	Cubic-quartic optical solitons with Kudryashov□ law of refractive index by F-expansions schemes. *Results in Physics*, **2020**, 18, 103273	3.7	11
100	Optical solitons in birefringent fibers having anti-cubic nonlinearity with a few prolific integration algorithms. *Optik*, **2020**, 200, 163229	2.5	11
99	Highly dispersive optical solitons in the nonlinear Schr□dinger□ equation having polynomial law of the refractive index change. *Indian Journal of Physics*, **2021**, 95, 109-119	1.4	11
98	Cubic□quartic optical soliton perturbation and conservation laws with generalized Kudryashov□ form of refractive index. *Journal of Optics (India)*, **2021**, 50, 354-360	1.3	11

97	Exact solitons in optical metamaterials with quadratic-cubic nonlinearity using two integration approaches. *Optik*, **2018**, 156, 351-355	2.5	11
96	Highly dispersive optical solitons in absence of self-phase modulation by F-expansion. *Optik*, **2019**, 187, 258-271	2.5	10
95	Optical solitons in fiber Bragg gratings with dispersive reflectivity for cubic–quintic–septic nonlinearity by extended trial function. *Optik*, **2019**, 194, 163020	2.5	10
94	On the Solutions of the Space and Time Fractional Benjamin–Bona–Mahony Equation **2017**, 41, 819-836		10
93	Optical solitons with differential group delay for complex Ginzburg–Landau equation. *Results in Physics*, **2020**, 16, 102888	3.7	10
92	A pen-picture of solitons and conservation laws in magneto-optic waveguides having quadratic-cubic law of nonlinear refractive index. *Optik*, **2020**, 223, 165330	2.5	10
91	Dispersive solitons in optical metamaterials having parabolic form of nonlinearity. *Optik*, **2019**, 179, 1009–1018	2.5	10
90	Highly dispersive optical solitons with quadratic–cubic law of refractive index by the variational iteration method. *Journal of Optics (India)*,1	1.3	10
89	Stationary optical solitons with nonlinear group velocity dispersion by extended trial function scheme. *Optik*, **2018**, 171, 529-542	2.5	10
88	Stationary optical solitons with nonlinear chromatic dispersion having quadratic–cubic law of refractive index. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2020**, 384, 126606	2.3	9
87	Dark, singular and straddled optical solitons in birefringent fibers with generalized anti–cubic nonlinearity. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2020**, 384, 126417	2.3	9
86	Optical solitons in parabolic law medium with weak non-local nonlinearity by extended trial function method. *Optik*, **2018**, 163, 56-61	2.5	9
85	Highly dispersive optical soliton perturbation with quadratic–cubic refractive index by semi–inverse variational principle. *Optik*, **2020**, 206, 163621	2.5	9
84	Solitons and conservation laws in magneto–optic waveguides having parabolic–nonlocal law of refractive index. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2020**, 384, 126814	2.3	9
83	Optical soliton polarization with Lakshmanan–Porsezian–Daniel model by unified approach. *Results in Physics*, **2021**, 22, 103958	3.7	9
82	Optical solitons having anti-cubic nonlinearity with two integration architectures. *Chinese Journal of Physics*, **2019**, 60, 659-664	3.5	8
81	Sequel to stationary optical solitons with nonlinear group velocity dispersion by extended trial function scheme. *Optik*, **2018**, 172, 636-650	2.5	8
80	Optical solitons with nonlocal-parabolic combo nonlinearity by Lie symmetry analysis coupled with modified G?/G-expansion. *Results in Physics*, **2019**, 15, 102713	3.7	8

79	Pure-Cubic Optical Soliton Perturbation with Complex Ginzburg–Landau Equation Having a Dozen Nonlinear Refractive Index Structures. *Journal of Communications Technology and Electronics*, **2021**, 66, 481-544	0.5	8
78	Stationary optical solitons with nonlinear chromatic dispersion and generalized temporal evolution by extended trial function approach. *Chaos, Solitons and Fractals*, **2021**, 147, 110971	9.3	8
77	Solitons in nonlinear directional couplers with optical metamaterials by unified Riccati equation approach. *Optik*, **2021**, 241, 167244	2.5	8
76	Solitons in magneto-optic waveguides with dual-power law nonlinearity. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2020**, 384, 126697	2.3	7
75	Optical soliton perturbation with polynomial and triple-power laws of refractive index by semi-inverse variational principle. *Chaos, Solitons and Fractals*, **2020**, 135, 109765	9.3	7
74	Chirped solitons in optical metamaterials with parabolic law nonlinearity by extended trial function method. *Optik*, **2018**, 160, 92-99	2.5	7
73	Optical solitons in fiber Bragg gratings with dispersive reflectivity for parabolic-nonlocal combo nonlinearity by extended trial function. *Optik*, **2019**, 195, 163146	2.5	7
72	Cubic-Quartic Optical Solitons with Differential Group Delay for Kudryashov's Model by Extended Trial Function. *Journal of Communications Technology and Electronics*, **2020**, 65, 1384-1398	0.5	7
71	Sequel to highly dispersive optical soliton perturbation with cubic-quintic-septic refractive index by semi-inverse variational principle. *Optik*, **2020**, 203, 163451	2.5	7
70	Optical solitons with fiber Bragg gratings and dispersive reflectivity having parabolic-nonlocal combo nonlinearity via three prolific integration architectures. *Optik*, **2020**, 208, 164065	2.5	7
69	Chirped self-similar cnoidal waves and similaritons in an inhomogeneous optical medium with resonant nonlinearity. *Chaos, Solitons and Fractals*, **2020**, 141, 110441	9.3	7
68	Solitions in magneto-optic waveguides with anti-cubic nonlinearity. *Optik*, **2020**, 222, 165313	2.5	7
67	Optical solitons and bifurcation analysis in fiber Bragg gratings with Lie symmetry and Kudryashov's approach. *Nonlinear Dynamics*, **2021**, 105, 735-751	5	7
66	Optical solitons in birefringent fibers with quadratic-cubic nonlinearity by extended Jacobi's elliptic function expansion. *Optik*, **2019**, 178, 117-121	2.5	7
65	Optical soliton perturbation with parabolic-nonlocal combo nonlinearity: undetermined coefficients and semi-inverse variational principle. *Journal of Optics (India)*,1	1.3	7
64	Highly dispersive optical soliton perturbation with Kudryashov's sextic-power law nonlinear refractive index by semi-inverse variation. *Results in Physics*, **2021**, 27, 104539	3.7	7
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62	Highly dispersive singular optical solitons with Kerr law nonlinearity by Jacobi's elliptic ds function expansion. *Optik*, **2019**, 192, 162954	2.5	6

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