

Wenjun Liu

List of Publications by Citations

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401
papers

10,591
citations

59
h-index

82
g-index

425
ext. papers

13,181
ext. citations

3.2
avg, IF

7.2
L-index

#	Paper	IF	Citations
401	Impact of land use and land cover changes on ecosystem services in Menglun, Xishuangbanna, Southwest China. <i>Environmental Monitoring and Assessment</i> , 2008 , 146, 147-56	3.1	196
400	Tungsten disulphide for ultrashort pulse generation in all-fiber lasers. <i>Nanoscale</i> , 2017 , 9, 5806-5811	7.7	171
399	Tungsten disulfide saturable absorbers for 67 fs mode-locked erbium-doped fiber lasers. <i>Optics Express</i> , 2017 , 25, 2950-2959	3.3	168
398	Dark solitons in WS ₂ erbium-doped fiber lasers. <i>Photonics Research</i> , 2016 , 4, 111	6	129
397	Past, present and future land-use in Xishuangbanna, China and the implications for carbon dynamics. <i>Forest Ecology and Management</i> , 2008 , 255, 16-24	3.9	124
396	Optical soliton perturbation with fractional-temporal evolution by first integral method with conformable fractional derivatives. <i>Optik</i> , 2016 , 127, 10659-10669	2.5	119
395	Optical properties of Al-doped ZnO thin films by ellipsometry. <i>Applied Surface Science</i> , 2008 , 254, 2922-2926	2.76	119
394	Conservation laws for cubic-quartic optical solitons in Kerr and power law media. <i>Optik</i> , 2017 , 145, 650-654	5.4	112
393	Optical properties and applications for MoS ₂ -Sb ₂ Te ₃ -MoS ₂ heterostructure materials. <i>Photonics Research</i> , 2018 , 6, 220	6	111
392	Resonant 1-soliton solution in anti-cubic nonlinear medium with perturbations. <i>Optik</i> , 2017 , 145, 14-17	2.5	111
391	Optical solitons with complex Ginzburg-Landau equation. <i>Nonlinear Dynamics</i> , 2016 , 85, 1979-2016	5	110
390	Cubic-quartic optical solitons in Kerr and power law media. <i>Optik</i> , 2017 , 144, 357-362	2.5	108
389	The unified method for conformable time fractional Schrödinger equation with perturbation terms. <i>Chinese Journal of Physics</i> , 2018 , 56, 2500-2506	3.5	107
388	Analytic solutions for the generalized complex Ginzburg-Landau equation in fiber lasers. <i>Nonlinear Dynamics</i> , 2017 , 89, 2933-2939	5	106
387	Sub pico-second pulses in mono-mode optical fibers with Kaup-Newell equation by a couple of integration schemes. <i>Optik</i> , 2018 , 167, 121-128	2.5	103
386	Optical solitons with Biswas-Milovic equation by extended trial equation method. <i>Nonlinear Dynamics</i> , 2016 , 84, 1883-1900	5	101
385	Bright and dark Thirring optical solitons with improved adomian decomposition method. <i>Optik</i> , 2017 , 130, 1115-1123	2.5	99

384	Phase-shift controlling of three solitons in dispersion-decreasing fibers. <i>Nonlinear Dynamics</i> , 2019 , 98, 395-401	5	98
383	Optical solitons in parity-time-symmetric mixed linear and nonlinear lattice with non-Kerr law nonlinearity. <i>Superlattices and Microstructures</i> , 2017 , 109, 588-598	2.8	97
382	Analytical study of Thirring optical solitons with parabolic law nonlinearity and spatio-temporal dispersion. <i>European Physical Journal Plus</i> , 2015 , 130, 1	3.1	97
381	Phase shift, amplification, oscillation and attenuation of solitons in nonlinear optics. <i>Journal of Advanced Research</i> , 2019 , 15, 69-76	13	97
380	Solitons in magneto-optic waveguides by extended trial function scheme. <i>Superlattices and Microstructures</i> , 2017 , 107, 197-218	2.8	94
379	Dromion-like structures and periodic wave solutions for variable-coefficients complex cubic-quintic Ginzburg-Landau equation influenced by higher-order effects and nonlinear gain. <i>Nonlinear Dynamics</i> , 2020 , 99, 1313-1319	5	94
378	Analytic study on interactions between periodic solitons with controllable parameters. <i>Nonlinear Dynamics</i> , 2018 , 94, 703-709	5	94
377	Resonant optical solitons with quadratic-cubic nonlinearity by semi-inverse variational principle. <i>Optik</i> , 2017 , 145, 18-21	2.5	92
376	Optical solitons in nano-fibers with spatio-temporal dispersion by trial solution method. <i>Optik</i> , 2016 , 127, 7250-7257	2.5	92
375	Interaction properties of solitonics in inhomogeneous optical fibers. <i>Nonlinear Dynamics</i> , 2019 , 95, 557-563	5.3	91
374	Optical soliton perturbation with anti-cubic nonlinearity by semi-inverse variational principle. <i>Optik</i> , 2017 , 143, 131-134	2.5	90
373	70-fs mode-locked erbium-doped fiber laser with topological insulator. <i>Scientific Reports</i> , 2016 , 6, 19997	4.9	90
372	Pathotypical characterization and molecular epidemiology of Newcastle disease virus isolates from different hosts in China from 1996 to 2005. <i>Journal of Clinical Microbiology</i> , 2008 , 46, 601-11	9.7	90
371	Bright, dark and singular optical solitons in a cascaded system. <i>Laser Physics</i> , 2015 , 25, 025402	1.2	89
370	Generation and control of multiple solitons under the influence of parameters. <i>Nonlinear Dynamics</i> , 2019 , 95, 143-150	5	88
369	Perturbation theory and optical soliton cooling with anti-cubic nonlinearity. <i>Optik</i> , 2017 , 142, 73-76	2.5	87
368	Optical solitons with differential group delay for coupled Fokas-Lenells equation using two integration schemes. <i>Optik</i> , 2018 , 165, 74-86	2.5	86
367	Bright, dark, and singular solitons in optical fibers with spatio-temporal dispersion and spatially dependent coefficients. <i>Journal of Modern Optics</i> , 2016 , 63, 950-954	1.1	86

366	Analytical study of solitons in non-Kerr nonlinear negative-index materials. <i>Nonlinear Dynamics</i> , 2016 , 86, 623-638	5	85
365	Optical solitons in medium with parabolic law nonlinearity and higher order dispersion. <i>Waves in Random and Complex Media</i> , 2015 , 25, 52-59	1.9	82
364	Bound vector solitons and soliton complexes for the coupled nonlinear Schrödinger equations. <i>Physical Review E</i> , 2009 , 80, 066608	2.4	82
363	Recent Advances of 2D Materials in Nonlinear Photonics and Fiber Lasers. <i>Advanced Optical Materials</i> , 2020 , 8, 1901631	8.1	78
362	Tungsten diselenide for all-fiber lasers with the chemical vapor deposition method. <i>Nanoscale</i> , 2018 , 10, 7971-7977	7.7	78
361	Nonlinear optical properties of MoS-WS heterostructure in fiber lasers. <i>Optics Express</i> , 2019 , 27, 6689-6699	3.9	78
360	Thirring optical solitons in birefringent fibers with spatio-temporal dispersion and Kerr law nonlinearity. <i>Laser Physics</i> , 2015 , 25, 015402	1.2	75
359	Soliton interaction in the higher-order nonlinear Schrödinger equation investigated with Hirota's bilinear method. <i>Physical Review E</i> , 2008 , 77, 066605	2.4	75
358	Types of solutions of the variable-coefficient nonlinear Schrödinger equation with symbolic computation. <i>Physical Review E</i> , 2008 , 78, 066613	2.4	74
357	CVD-grown MoSe with high modulation depth for ultrafast mode-locked erbium-doped fiber laser. <i>Nanotechnology</i> , 2018 , 29, 394002	3.4	71
356	Conservation laws, soliton solutions and modulational instability for the higher-order dispersive nonlinear Schrödinger equation. <i>European Physical Journal B</i> , 2009 , 72, 233-239	1.2	70
355	Tungsten diselenide for mode-locked erbium-doped fiber lasers with short pulse duration. <i>Nanotechnology</i> , 2018 , 29, 174002	3.4	68
354	Solitary wave pulses in optical fibers with normal dispersion and higher-order effects. <i>Physical Review A</i> , 2009 , 79,	2.6	68
353	One-soliton shaping and two-soliton interaction in the fifth-order variable-coefficient nonlinear Schrödinger equation. <i>Nonlinear Dynamics</i> , 2019 , 95, 369-380	5	68
352	Ultrafast photonics of two dimensional AuTe ₂ Se _{4/3} in fiber lasers. <i>Communications Physics</i> , 2020 , 3,	5.4	66
351	Generation of dark solitons in erbium-doped fiber lasers based Sb(2)Te(3) saturable absorbers. <i>Optics Express</i> , 2015 , 23, 26023-31	3.3	66
350	Exact chirped singular soliton solutions of Triki-Biswas equation. <i>Optik</i> , 2019 , 181, 338-342	2.5	65
349	Nonlinear optical properties of WSe ₂ and MoSe ₂ films and their applications in passively Q-switched erbium doped fiber lasers. <i>Photonics Research</i> , 2018 , 6, C15	6	64

348	Optical soliton perturbation for Gerdjikov-Ivanov equation via two analytical techniques. <i>Chinese Journal of Physics</i> , 2018 , 56, 2879-2886	3.5	64
347	Interactions of vector anti-dark solitons for the coupled nonlinear Schrödinger equation in inhomogeneous fibers. <i>Nonlinear Dynamics</i> , 2018 , 94, 1351-1360	5	62
346	Darboux transformation and analytic solutions for a generalized super-NLS-mKdV equation. <i>Nonlinear Dynamics</i> , 2019 , 98, 1491-1500	5	62
345	Effect of high-order dispersion on three-soliton interactions for the variable-coefficients Hirota equation. <i>Physical Review E</i> , 2017 , 96, 042201	2.4	59
344	Synthesis of high quality silver nanowires and their applications in ultrafast photonics. <i>Optics Express</i> , 2019 , 27, 16440-16448	3.3	59
343	VSe2 nanosheets for ultrafast fiber lasers. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 1104-1109	7.1	59
342	Explicit solitons in the parabolic law nonlinear negative-index materials. <i>Nonlinear Dynamics</i> , 2017 , 88, 595-607	5	58
341	. <i>Journal of Lightwave Technology</i> , 2019 , 37, 3100-3105	4	57
340	CeO2 nanocubes-graphene oxide as durable and highly active catalyst support for proton exchange membrane fuel cell. <i>Scientific Reports</i> , 2014 , 4, 7415	4.9	57
339	Amplification, reshaping, fission and annihilation of optical solitons in dispersion-decreasing fiber. <i>Nonlinear Dynamics</i> , 2018 , 92, 203-213	5	57
338	Niobium disulfide as a new saturable absorber for an ultrafast fiber laser. <i>Nanoscale</i> , 2020 , 12, 4537-4543	3.7	56
337	Periodic attenuating oscillation between soliton interactions for higher-order variable coefficient nonlinear Schrödinger equation. <i>Nonlinear Dynamics</i> , 2019 , 96, 801-809	5	56
336	Optical solitons in birefringent fibers with Kerr nonlinearity by exp-function method. <i>Optik</i> , 2017 , 131, 964-976	2.5	55
335	Dromion-like soliton interactions for nonlinear Schrödinger equation with variable coefficients in inhomogeneous optical fibers. <i>Nonlinear Dynamics</i> , 2019 , 96, 729-736	5	55
334	Optical soliton perturbation with Fokas-Lenells equation using three exotic and efficient integration schemes. <i>Optik</i> , 2018 , 165, 288-294	2.5	54
333	Analytical study of optical solitons in media with Kerr and parabolic-law nonlinearities. <i>Journal of Modern Optics</i> , 2013 , 60, 1652-1657	1.1	54
332	Bright and dark solitons in the normal dispersion regime of inhomogeneous optical fibers: Soliton interaction and soliton control. <i>Annals of Physics</i> , 2010 , 325, 1633-1643	2.5	53
331	Analytical solutions and modulation instability analysis to the perturbed nonlinear Schrödinger equation. <i>Journal of Modern Optics</i> , 2014 , 61, 500-503	1.1	52

330	Exact solitons to generalized resonant dispersive nonlinear Schrödinger's equation with power law nonlinearity. <i>Optik</i> , 2017 , 130, 178-183	2.5	52
329	W-shaped, bright and dark solitons of Biswas-Arshed equation. <i>Optik</i> , 2019 , 182, 227-232	2.5	51
328	Transition-metal dichalcogenides heterostructure saturable absorbers for ultrafast photonics. <i>Optics Letters</i> , 2017 , 42, 4279-4282	3	51
327	The analytical study of solitons to the nonlinear Schrödinger equation with resonant nonlinearity. <i>Optik</i> , 2017 , 130, 378-382	2.5	50
326	Lie symmetry analysis for cubic-quartic nonlinear Schrödinger's equation. <i>Optik</i> , 2018 , 169, 12-15	2.5	50
325	Dark and singular optical solitons with Kundu-Eckhaus equation by extended trial equation method and extended G'/G-expansion scheme. <i>Optik</i> , 2016 , 127, 10490-10497	2.5	48
324	Analytical study of the nonlinear Schrödinger equation with an arbitrary linear time-dependent potential in quasi-one-dimensional Bose-Einstein condensates. <i>Annals of Physics</i> , 2008 , 323, 2554-2565	2.5	48
323	Dark optical solitons in quadratic nonlinear media with spatio-temporal dispersion. <i>Nonlinear Dynamics</i> , 2015 , 81, 733-738	5	47
322	Resonant optical solitons with parabolic and dual-power laws by semi-inverse variational principle. <i>Journal of Modern Optics</i> , 2018 , 65, 179-184	1.1	47
321	Optical solitons in gas-filled, hollow-core photonic crystal fibers with inter-modal dispersion and self-steepening. <i>Journal of Modern Optics</i> , 2013 , 60, 854-859	1.1	47
320	Stable transmission of solitons in the complex cubic-quintic Ginzburg-Landau equation with nonlinear gain and higher-order effects. <i>Applied Mathematics Letters</i> , 2019 , 98, 171-176	3.5	46
319	SnSSe as a saturable absorber for an ultrafast laser with superior stability. <i>Optics Letters</i> , 2020 , 45, 419	3	46
318	Dark soliton control in inhomogeneous optical fibers. <i>Applied Mathematics Letters</i> , 2016 , 61, 80-87	3.5	46
317	Some lump solutions for a generalized (3+1)-dimensional Kadomtsev-Petviashvili equation. <i>Applied Mathematics and Computation</i> , 2020 , 366, 124757	2.7	46
316	Large-area highly crystalline WSe atomic layers for ultrafast pulsed lasers. <i>Optics Express</i> , 2017 , 25, 30029-30034	3.3	44
315	Propagation properties of dipole-managed solitons through an inhomogeneous cubic-quintic-Septic medium. <i>Optics Communications</i> , 2018 , 425, 64-70	2	43
314	Dark soliton control based on dispersion and nonlinearity for third-order nonlinear Schrödinger equation. <i>Optik</i> , 2019 , 184, 370-376	2.5	42
313	Cubic-quartic optical solitons in birefringent fibers with four forms of nonlinear refractive index by exp-function expansion. <i>Results in Physics</i> , 2020 , 16, 102913	3.7	42

312	Dispersive optical solitons with Schrödinger-Hirota equation by extended trial equation method. <i>Optik</i> , 2017 , 136, 451-461	2.5	41
311	Optical solitons of Lakshmanan-Borsezian-Daniel model with a couple of nonlinearities. <i>Optik</i> , 2018 , 164, 414-423	2.5	41
310	Dark and antidark solitons in the modified nonlinear Schrödinger equation accounting for the self-steepening effect. <i>Physical Review E</i> , 2010 , 81, 046606	2.4	41
309	Soliton Rectangular Pulses and Bound States in a Dissipative System Modeled by the Variable-Coefficients Complex Cubic-Quintic Ginzburg-Landau Equation. <i>Chinese Physics Letters</i> , 2021 , 38, 094201	1.8	41
308	Phase shift, oscillation and collision of the anti-dark solitons for the (3+1)-dimensional coupled nonlinear Schrödinger equation in an optical fiber communication system. <i>Nonlinear Dynamics</i> , 2019 , 97, 1253-1262	5	40
307	Periodic oscillations of dark solitons in nonlinear optics. <i>Optik</i> , 2018 , 165, 341-344	2.5	40
306	Soliton interactions and complexes for coupled nonlinear Schrödinger equations. <i>Physical Review E</i> , 2012 , 85, 036605	2.4	40
305	Solitons, Bäcklund transformation, and Lax pair for the (2+1)-dimensional Boiti-Leon-Pempinelli equation for the water waves. <i>Journal of Mathematical Physics</i> , 2010 , 51, 093519	1.2	40
304	Analytic study on the influences of higher-order effects on optical solitons in fiber laser. <i>Optik</i> , 2019 , 186, 326-331	2.5	39
303	Bright, dark and W-shaped solitons with extended nonlinear Schrödinger's equation for odd and even higher-order terms. <i>Superlattices and Microstructures</i> , 2018 , 114, 53-61	2.8	39
302	Mechanism of Alkali Metal Compound-Promoted Growth of Monolayer MoS ₂ : Eutectic Intermediates. <i>Chemistry of Materials</i> , 2019 , 31, 873-880	9.6	39
301	Periodic soliton interactions for higher-order nonlinear Schrödinger equation in optical fibers. <i>Nonlinear Dynamics</i> , 2020 , 100, 2817-2821	5	38
300	Bright soliton solutions of the (2+1)-dimensional generalized coupled nonlinear Schrödinger equation with the four-wave mixing term. <i>Nonlinear Dynamics</i> , 2021 , 104, 2613-2620	5	38
299	Analytic study on triple-S, triple-triangle structure interactions for solitons in inhomogeneous multi-mode fiber. <i>Applied Mathematics and Computation</i> , 2019 , 361, 325-331	2.7	37
298	WNBSe nanosheets for ultrafast photonics. <i>Nanoscale</i> , 2021 , 13, 2511-2518	7.7	37
297	Saturable absorption properties and femtosecond mode-locking application of titanium trisulfide. <i>Applied Physics Letters</i> , 2020 , 116, 061901	3.4	36
296	Optical soliton shaping in dispersion decreasing fibers. <i>Nonlinear Dynamics</i> , 2016 , 84, 2205-2209	5	36
295	Thickness-Dependent Ultrafast Photonics of SnS ₂ Nanolayers for Optimizing Fiber Lasers. <i>ACS Applied Nano Materials</i> , 2019 , 2, 2697-2705	5.6	35

294	Transformation of soliton states for a (2+1) dimensional fourth-order nonlinear Schrödinger equation in the Heisenberg ferromagnetic spin chain. <i>Laser Physics</i> , 2019 , 29, 035401	1.2	34
293	Study on the control technology of optical solitons in optical fibers. <i>Nonlinear Dynamics</i> , 2016 , 86, 1069-1073	1.073	34
292	The similarities and differences of different plane solitons controlled by (3+1) - Dimensional coupled variable coefficient system. <i>Journal of Advanced Research</i> , 2020 , 24, 167-173	13	33
291	Ultrashort pulse generation in mode-locked erbium-doped fiber lasers with tungsten disulfide saturable absorber. <i>Optics Communications</i> , 2018 , 406, 72-75	2	33
290	Optical solitons of some fractional differential equations in nonlinear optics. <i>Journal of Modern Optics</i> , 2017 , 64, 2345-2349	1.1	33
289	Optical Nonlinearity of ZrS ₂ and Applications in Fiber Laser. <i>Nanomaterials</i> , 2019 , 9,	5.4	31
288	Black Phosphorus Based Field Effect Transistors with Simultaneously Achieved Near Ideal Subthreshold Swing and High Hole Mobility at Room Temperature. <i>Scientific Reports</i> , 2016 , 6, 24920	4.9	31
287	Bright soliton interactions in a (2 + 1)-dimensional fourth-order variable-coefficient nonlinear Schrödinger equation for the Heisenberg ferromagnetic spin chain. <i>Nonlinear Dynamics</i> , 2019 , 95, 983-994	5	31
286	Solitons in optical metamaterials with anti-cubic nonlinearity. <i>European Physical Journal Plus</i> , 2018 , 133, 1	3.1	31
285	Control of dark and anti-dark solitons in the (2+1)-dimensional coupled nonlinear Schrödinger equations with perturbed dispersion and nonlinearity in a nonlinear optical system. <i>Nonlinear Dynamics</i> , 2019 , 97, 471-483	5	30
284	Stable soliton propagation in a coupled (2 + 1) dimensional Ginzburg-Landau system. <i>Chinese Physics B</i> , 2020 , 29, 070502	1.2	30
283	Chirped optical solitons in nano optical fibers with dual-power law nonlinearity. <i>Optik</i> , 2017 , 142, 77-81	2.5	29
282	Ferroferric-oxide nanoparticle based Q-switcher for a 1 μs region. <i>Optical Materials Express</i> , 2019 , 9, 731	2.6	28
281	Q-switched fiber laser operating at 1.5 μs based on WTe ₂ . <i>Chinese Optics Letters</i> , 2019 , 17, 020006	2.2	28
280	Symbolic computation on soliton solutions for variable-coefficient nonlinear Schrödinger equation in nonlinear optics. <i>Optical and Quantum Electronics</i> , 2012 , 43, 147-162	2.4	27
279	Lax pair, Bäcklund transformation and multi-soliton solutions for the Boussinesq-Burgers equations from shallow water waves. <i>Applied Mathematics and Computation</i> , 2011 , 218, 1726-1734	2.7	27
278	Chirped dark and gray solitons for Chen-Lee-Liu equation in optical fibers and PCF. <i>Optik</i> , 2018 , 155, 329-333	2.5	27
277	Some types of dark soliton interactions in inhomogeneous optical fibers. <i>Optical and Quantum Electronics</i> , 2018 , 50, 1	2.4	26

276	MoS ₂ saturable absorber prepared by chemical vapor deposition method for nonlinear control in Q-switching fiber laser. <i>Chinese Physics B</i> , 2018 , 27, 084211	1.2	26
275	Propagation of chirped gray optical dips in nonlinear metamaterials. <i>Optics Communications</i> , 2019 , 430, 461-466	2	26
274	Ultrafast Thulium-Doped Fiber Laser Mode Locked by Monolayer WSe ₂ . <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2018 , 24, 1-6	3.8	26
273	One-step photochemical deposition of PdAu alloyed nanoparticles on TiO ₂ nanowires for ultra-sensitive H ₂ detection. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 2236-2245	13	25
272	Bidirectional all-optical switches based on highly nonlinear optical fibers. <i>Europhysics Letters</i> , 2017 , 118, 34004	1.6	25
271	Optical solitons in birefringent fibers with modified simple equation method. <i>Optik</i> , 2017 , 130, 996-1003	2.5	25
270	Soliton solutions and interactions of the Zakharov-Kuznetsov equation in the electron-positron-ion plasmas. <i>European Physical Journal D</i> , 2011 , 61, 709-715	1.3	25
269	Multi-soliton solutions and a Bäcklund transformation for a generalized variable-coefficient higher-order nonlinear Schrödinger equation with symbolic computation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008 , 387, 97-107	3.3	25
268	Solitons in optical fiber Bragg gratings with dispersive reflectivity. <i>Optik</i> , 2019 , 182, 119-123	2.5	25
267	Dispersive optical solitons in DWDM systems. <i>Optik</i> , 2017 , 132, 210-215	2.5	24
266	Analytic study on interactions of some types of solitary waves. <i>Optik</i> , 2018 , 164, 132-137	2.5	24
265	Optical solitons in birefringent fibers for Lakshmanan-Borsezian-Daniel model using exp(- η)-expansion method. <i>Optik</i> , 2018 , 170, 555-560	2.5	24
264	Analytic study on chirped optical solitons in nonlinear metamaterials with higher order effects. <i>Laser Physics</i> , 2019 , 29, 095402	1.2	24
263	Plasmon-Exciton co-driven surface catalytic reaction in electrochemical G-SERS. <i>Journal of Raman Spectroscopy</i> , 2017 , 48, 1144-1147	2.3	24
262	Influence of Parameters of Optical Fibers on Optical Soliton Interactions. <i>Chinese Physics Letters</i> , 2022 , 39, 010501	1.8	24
261	Analytical study of solitons in the fiber waveguide with power law nonlinearity. <i>Superlattices and Microstructures</i> , 2017 , 101, 493-506	2.8	23
260	Large-area and highly crystalline MoSe ₂ for optical modulator. <i>Nanotechnology</i> , 2017 , 28, 484001	3.4	23
259	Higher-order-effects management of soliton interactions in the Hirota equation. <i>Physical Review E</i> , 2015 , 91, 033201	2.4	23

258	Lax pair, conservation laws and N-soliton solutions for the extended Korteweg-de Vries equations in fluids. <i>European Physical Journal D</i> , 2011 , 61, 701-708	1.3	23
257	The dynamic characteristics of pure-quartic solitons and soliton molecules. <i>Applied Mathematical Modelling</i> , 2022 , 102, 305-312	4.5	23
256	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2018 , 24, 1-5	3.8	22
255	2D-2D heterostructured CdS/CuP photocatalysts for efficient H ₂ evolution under visible light irradiation. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 27412-27420	6.7	22
254	Dromion-like structures in the variable coefficient nonlinear Schrödinger equation. <i>Applied Mathematics Letters</i> , 2014 , 30, 28-32	3.5	22
253	Analytic study on solitons in gas-filled hollow-core photonic crystal fibers. <i>Europhysics Letters</i> , 2012 , 100, 64003	1.6	22
252	Soliton-like solutions of a derivative nonlinear Schrödinger equation with variable coefficients in inhomogeneous optical fibers. <i>Nonlinear Dynamics</i> , 2010 , 62, 919-929	5	22
251	Soliton interaction control through dispersion and nonlinear effects for the fifth-order nonlinear Schrödinger equation. <i>Nonlinear Dynamics</i> , 2021 , 106, 2479	5	22
250	Bright and singular optical solitons for Kaup-Newell equation with two fundamental integration norms. <i>Optik</i> , 2019 , 182, 594-597	2.5	21
249	Optical solitons for non-Kerr law nonlinear Schrödinger equation with third and fourth order dispersions. <i>Chinese Journal of Physics</i> , 2019 , 60, 133-140	3.5	21
248	High-power MoTe ₂ -based passively Q-switched erbium-doped fiber laser. <i>Chinese Optics Letters</i> , 2018 , 16, 020007	2.2	21
247	Effects of dispersion terms on optical soliton propagation in a lossy fiber system. <i>Nonlinear Dynamics</i> , 2021 , 104, 629-637	5	21
246	Optical solitons and conservation laws with polarization mode dispersion for coupled Fokas-Enells equation using group invariance. <i>Chaos, Solitons and Fractals</i> , 2019 , 120, 245-249	9.3	20
245	Photonic device combined optical microfiber coupler with saturable-absorption materials and its application in mode-locked fiber laser. <i>Optics Express</i> , 2021 , 29, 20526-20534	3.3	20
244	Soliton structures in the (1+1)-dimensional Ginzburg-Landau equation with a parity-time-symmetric potential in ultrafast optics. <i>Chinese Physics B</i> , 2018 , 27, 030504	1.2	19
243	Analytic study on optical solitons in parity-time-symmetric mixed linear and nonlinear modulation lattices with non-Kerr nonlinearities. <i>Optik</i> , 2018 , 173, 249-262	2.5	19
242	Darboux transformation and soliton solutions for the generalized coupled variable-coefficient nonlinear Schrödinger-Maxwell-Bloch system with symbolic computation. <i>Computational Mathematics and Mathematical Physics</i> , 2012 , 52, 565-577	0.9	19
241	Nonlinear control of logic structure of all-optical logic devices using soliton interactions. <i>Nonlinear Dynamics</i> , 1	5	19

240	Optical solitons with differential group delay and four-wave mixing using two integration procedures. <i>Optik</i> , 2018 , 167, 170-188	2.5	18
239	Soliton and soliton-like solutions to the modified Zakharov-Kuznetsov equation in nonlinear transmission line. <i>Nonlinear Dynamics</i> , 2016 , 83, 1429-1435	5	18
238	Exact solitary wave solutions to the new (3 + 1)-dimensional generalized Kadomtsev-Petviashvili equation. <i>Optik</i> , 2017 , 128, 77-82	2.5	18
237	Ultrafast Photonics of Ternary ReNbS in Fiber Lasers. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 28721-28728	9.5	18
236	Design and fabrication of SMS fiber refractometer for liquid. <i>Sensors and Actuators A: Physical</i> , 2012 , 179, 5-9	3.9	17
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