Zai-dong Li

List of Publications by Year
in descending order

60	873	586496 16	591227 27
papers	citations	h-index	g-index

61	61	61	421
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Damping-like effects in Heisenberg spin chain caused by the site-dependent bilinear interaction. Communications in Theoretical Physics, 2021, 73, 015105.	1.1	4
2	Exact soliton solutions in anisotropic ferromagnetic wires with Dzyaloshinskiiâ€“Moriya interaction. Chinese Physics B, 2021, 30, 017504.	0.7	3
3	Interaction region of magnon-mediated spin torques and novel magnetic states*. Chinese Physics B, 2021, 30, 107506.	0.7	3
4	Equilibria and precession in a uniaxial antiferromagnet driven by the spin Hall effect. New Journal of Physics, 2021, 23, 113020.	1.2	4
5	Symmetric and antisymmetric Dzyaloshinskii-Moriya solitons in anisotropic ferromagnetic wires. Journal of Magnetism and Magnetic Materials, 2020, 512, 166981.	1.0	3
6	Spin waves and transverse domain walls driven by spin waves: Role of damping. Chinese Physics B, 2020, 29, 077502.	0.7	2
7	Walker solution for a magnetic domain wall driven by spin-orbit torques. Physical Review B, 2020, 102, .	1.1	3
8	Rogue wave solution in ferromagnetic nanowires. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 017501.	0.2	3
9	Edge effects on the high-frequency dynamics of Dzyaloshinskii domain walls. Journal of Applied Physics, 2019, 126, 163904.	1.1	1
10	Formation mechanism of asymmetric breather and rogue waves in pair-transition-coupled nonlinear SchrÃ¶dinger equations. Chinese Physics B, 2019, 28, 010504.	0.7	13
11	Motion and stability of chiral domain walls driven by non-gradient spin torques: Antiferromagnets and ferromagnets compared. Journal of Magnetism and Magnetic Materials, 2019, 479, 291-300.	1.0	3
12	Symmetry and asymmetry rogue waves in two-component coupled nonlinear SchrÃ¶dinger equations. Chinese Physics B, 2018, 27, 040505.	0.7	10
13	Phase diagram and dynamics of dark-bright vector solitons in spin-orbit-coupled Boseâ€“Einstein condensate. Chaos, Solitons and Fractals, 2018, 111, 62-67.	2.5	14
14	Dzyaloshinskiiâ€“Moriya solitons in anisotropic ferromagnetic nanowires driven by magnetic field and spin-polarized current. Annals of Physics, 2018, 388, 390-397.	1.0	7
15	Three types magnetic moment distribution of nonlinear excitations in a Heisenberg helimagnet. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 1874-1878.	0.9	10
16	Moving bright solitons in a pseudo-spin polarization Boseâ€“Einstein condensate. Chinese Physics B, 2017, 26, 100304.	0.7	8
17	Novel nonlinear excitations in ferromagnet excited by all-magnonic spin-transfer torque. Journal of Physics: Conference Series, 2017, 827, 012002.	0.3	0
18	Dynamics of chiral domain wall under the spin-orbit torques in heavy metal/ferromagnet bilayers with in-plane anisotropy. Journal of Magnetism and Magnetic Materials, 2017, 441, 691-695.	1.0	9

#	Article	IF	Citations
19	Sustained chiral magnetic domain wall motion driven by spin-orbit torques under the tilted current. Europhysics Letters, 2016, 114, 67001.	0.7	11
20	Breathers and rogue waves excited by all-magnonic spin-transfer torque. Physical Review E, 2016, 94, 042220.	0.8	16
21	Kuznetsovâ€“Ma soliton and Akhmediev breather of higher-order nonlinear SchrÃ¶dinger equation. Chinese Physics B, 2016, 25, 010507.	0.7	3
22	Quantum Hall effects in a non-Abelian honeycomb lattice. Physical Review A, 2015, 92, .	1.0	4
23	The stability of steady motion of magnetic domain wall: Role of higher-order spin-orbit torques. Journal of Applied Physics, 2015, 118, .	1.1	10
24	Current-induced magnetic soliton solutions in a perpendicular ferromagnetic anisotropy nanowire. Chinese Physics B, 2015, 24, 037508.	0.7	2
25	Topological defects and inhomogeneous spin patterns induced by the quadratic Zeeman effect in spin-1 Bose-Einstein condensates. Physical Review A, 2015, 91, .	1.0	12
26	Dzyaloshinskii-Moriya domain wall resonance in ferromagnetic nanowires with a spin-transfer torque. Journal of Applied Physics, 2015, 117, 173906.	1.1	12
27	Dynamics of magnetization in ferromagnet with spin-transfer torque. Chinese Physics B, 2014, 23, 117502.	0.7	18
28	Nonautonomous dark soliton solutions in two-component Boseâ€”Einstein condensates with a linear time-dependent potential. Chinese Physics B, 2014, 23, 060310.	0.7	6
29	Stability analysis of current-driven domain wall in the presence of spin Hall effect. Journal of Applied Physics, 2013, 114, .	1.1	8
30	Stability analysis of perpendicular magnetic trilayers with a field-like spin torque. Journal of Magnetism and Magnetic Materials, 2013, 327, 132-136.	1.0	4
31	Superposition solitons in two-component Boseâ€”Einstein condensates. Chinese Physics B, 2013, 22, 050311.	0.7	4
32	Feshbach resonance management of vector solitons in two-component Boseâ€”Einstein condensates. Chinese Physics B, 2012, 21, 080501.	0.7	5
33	Magnetic rogue wave in a perpendicular anisotropic ferromagnetic nanowire with spin-transfer torque. Annals of Physics, 2012, 327, 2085-2095.	1.0	25
34	Nonautonomous helical motion of magnetization in ferromagnetic nanowire driven by spin-polarized current and magnetic field. European Physical Journal B, 2011, 84, 197-202.	0.6	3
35	Matter rogue wave in Bose-Einstein condensates with attractive atomic interaction. European Physical Journal D, 2011, 64, 473-478.	0.6	112
36	Entropy exchange and entanglement in Jaynes-Cummings model with Kerr-like medium and intensity-depend coupling. Optics Communications, 2011, 284, 896-901.	1.0	15

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37	Pairwise entanglement in the Heisenberg XX model with three-site interactions. Optics Communications, 2011, 284, 1461-1467.	1.0	11
38	Combined periodic wave and solitary wave solutions in two-component Bose-Einstein condensates. Chinese Physics B, 2011, 20, 110307.	0.7	7
39	Phase diagram of magnetic multilayers with tilted dual spin torques. Journal of Applied Physics, 2011, 109, .	1.1	19
40	Current-driven magnetization dynamics in magnetic trilayers with a tilted spin polarizer. European Physical Journal B, 2010, 73, 417-421.	0.6	31
41	Nonautonomous bright and dark solitons of Boseâ€“Einstein condensates with Feshbach-managed time-dependent scattering length. Optics Communications, 2010, 283, 3361-3366.	1.0	29
42	Tilted spin torque-driven ferromagnetic resonance in a perpendicular-analyzer magnetic trilayer. Journal of Magnetism and Magnetic Materials, 2010, 322, 2264-2267.	1.0	11
43	Domain-wall solutions of spinor Bose-Einstein condensates in an optical lattice. Physical Review A, 2010, 81, .	1.0	30
44	Screw-pitch effect and velocity oscillation of a domain wall in a ferromagnetic nanowire driven by spin-polarized current. Journal of Physics Condensed Matter, 2010, 22, 216001.	0.7	9
45	Grey solitons and soliton interaction of higher nonlinear SchrÃ¶dinger equation. Canadian Journal of Physics, 2010, 88, 9-14.	0.4	4
46	Nonautonomous solitons of Boseâ€“Einstein condensation in a linear potential with an arbitrary time-dependence. Optics Communications, 2009, 282, 1676-1680.	1.0	39
47	New properties of magnon density in uniaxial anisotropic ferromagnet on the background of spin wave. Annals of Physics, 2009, 324, 1612-1619.	1.0	4
48	Current-driven ferromagnetic resonance in magnetic trilayers with a tilted spin polarizer. Journal of Applied Physics, 2009, 105, 043908.	1.1	17
49	Theory of ferromagnetic resonance in magnetic trilayers with a tilted spin polarizer. Physical Review B, 2008, 78, .	1.1	29
50	Soliton solution for the spin current in a ferromagnetic nanowire. Physical Review E, 2007, 76, 026605.	0.8	107
51	Dark soliton interaction of spinor Boseâ€“Einstein condensates in an optical lattice. Annals of Physics, 2007, 322, 1961-1971.	1.0	24
52	Interaction of a nonlinear spin-wave and magnetic soliton in a uniaxial anisotropic ferromagnet. Annals of Physics, 2007, 322, 2945-2957.	1.0	20
53	Hirota method for the nonlinear SchrÃ¶dinger equation with an arbitrary linear time-dependent potential. Annals of Physics, 2007, 322, 2545-2553.	1.0	35
54	Critical Voltage of Ï€-Cell Liquid Crystal Displays. Japanese Journal of Applied Physics, 2006, 45, 5810-5811.	0.8	4

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55	Soliton dynamics of magnetization driven by a magnetic field in uniaxial anisotropic ferromagnet. Brazilian Journal of Physics, 2006, 36, 1296-1299.	0.7	1
56	Quantum phase transition of two-component Boseâ€“Einstein condensates in optical lattices. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 335, 310-315.	0.9	5
57	QUANTUM PHASE TRANSITION OF DIPOLAR BOSONS IN OPTICAL LATTICES. International Journal of Modern Physics B, 2005, 19, 3345-3352.	1.0	0
58	Soliton solution of continuum magnetization equation in a conducting ferromagnet with a spin-polarized current. Physical Review E, 2004, 69, 066611.	0.8	36
59	Exact soliton solution of spin chain with an external magnetic field in linear wave background. Annals of Physics, 2004, 312, 128-136.	1.0	8
60	Exact soliton solution and inelastic two-soliton collision in a spin chain driven by a time-dependent magnetic field. Physical Review E, 2003, 68, 036102.	0.8	23