

# Muneto Nitta

## List of Publications by Year in descending order

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Version: 2024-02-01

300  
papers

7,157  
citations

71102

41  
h-index

106344

65  
g-index

302  
all docs

302  
docs citations

302  
times ranked

1264  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stable Z-strings with topological polarization in two Higgs doublet model. Journal of High Energy Physics, 2022, 2022, 1.	4.7	8
2	Core structures of vortices in Ginzburg-Landau theory for neutron $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle P \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:none} \rangle / \rangle \langle \text{mml:mprescripts} \rangle / \rangle \langle \text{mml:none} \rangle / \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ superfluids. Physical Review C, 2022, 105, .	2.9	5
3	Reducing the O(3) model as an effective field theory. Journal of High Energy Physics, 2022, 2022, 1.	4.7	1
4	Global 4-group symmetry and $\hat{\epsilon}^{\text{TMt}}$ Hooft anomalies in topological axion electrodynamics. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	16
5	Relations among topological solitons. Physical Review D, 2022, 105, .	4.7	12
6	1D Majorana Goldstinos and partial supersymmetry breaking in quantum wires. Communications Physics, 2022, 5, .	5.3	6
7	Non-Abelian half-quantum vortices in $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle / \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle P \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:ma} \rangle$ topological superfluids. Physical Review B, 2022, 105, .	3.2	6
8	Resurgence and semiclassical expansion in two-dimensional large-N sigma models. Journal of High Energy Physics, 2022, 2022, .	4.7	1
9	Dispersive one-dimensional Majorana modes with emergent supersymmetry in one-dimensional proximitized superconductors via spatially modulated potentials and magnetic fields. Physical Review B, 2022, 105, .	3.2	5
10	Global 3-group symmetry and $\hat{\epsilon}^{\text{TMt}}$ Hooft anomalies in axion electrodynamics. Journal of High Energy Physics, 2021, 2021, 1.	4.7	46
11	Higher derivative supersymmetric nonlinear sigma models on Hermitian symmetric spaces and BPS states therein. Physical Review D, 2021, 103, .	4.7	3
12	Skyrmion interactions and lattices in chiral magnets: analytical results. Journal of High Energy Physics, 2021, 2021, 1.	4.7	14
13	Confinement and moduli locking of Alice strings and monopoles. Journal of High Energy Physics, 2021, 2021, 1.	4.7	5
14	Exact WKB analysis of the vacuum pair production by time-dependent electric fields. Journal of High Energy Physics, 2021, 2021, 1.	4.7	25
15	Fractional black p-branes on orbifold $\hat{\mathbb{R}}_{n, n} / \hat{\mathbb{R}}_{n, n}$ . Journal of High Energy Physics, 2021, 2021, 1.	4.7	1
16	1/2-BPS vortex strings in N=2 supersymmetric U(1)N gauge theories. Journal of Mathematical Physics, 2021, 62, 032304.	1.1	1
17	Non-Abelian Alice strings in two-flavor dense QCD. Physical Review D, 2021, 103, .	4.7	13
18	Synthetic superfluid chemistry with vortex-trapped quantum impurities. Physical Review Research, 2021, 3, .	3.6	8

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19	Radial Fulde-Ferrell-Larkin-Ovchinnikov-like state in a population-imbalanced Fermi gas. <i>Physical Review A</i> , 2021, 103, .	2.5	4
20	Orbifold black holes. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	1
21	Vortices penetrating two-flavor quark-hadron continuity. <i>Physical Review D</i> , 2021, 103, .	4.7	6
22	Topological confinement of vortices in two-flavor dense QCD. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	8
23	Effective field theory of magnons: Chiral magnets and the Schwinger mechanism. <i>Physical Review B</i> , 2021, 104, .	3.2	5
24	Spin-polarized phases of $P_2$ superfluids in neutron stars. <i>Physical Review C</i> , 2021, 104, .	2.9	6
25	Symmetry classification of uniform states in spin-2 Bose-Einstein condensates and neutron $P_2$ superfluids. <i>Physical Review A</i> , 2021, 104, .	2.5	2
26	Topological axion electrodynamics and 4-group symmetry. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 823, 136762.	4.1	26
27	Chiral non-Abelian vortices and their confinement in three flavor dense QCD. <i>Physical Review D</i> , 2021, 104, .	4.7	9
28	Fractional Skyrmion molecules in a $PN^1$ model. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	10
29	Exact ground states and domain walls in one dimensional chiral magnets. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	7
30	Higher-form symmetries and 3-group in axion electrodynamics. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 808, 135672.	4.1	36
31	Fractional and integer vortex dynamics in strongly coupled two-component Bose-Einstein condensates from $AdS_4/CFT_3$ correspondence. <i>Physical Review D</i> , 2020, 102, .	4.7	5
32	Aharonov-Bohm defects. <i>Physical Review D</i> , 2020, 101, .	4.7	7
33	Zn modified XY and Goldstone models and vortex confinement transition. <i>Physical Review D</i> , 2020, 101, .	4.7	4
34	Exhausting all exact solutions of BPS domain wall networks in arbitrary dimensions. <i>Physical Review D</i> , 2020, 101, .	4.7	6
35	Massive Nambu-Goldstone fermions and bosons for non-relativistic superconformal symmetry: Jackiw-Pi vortices in a trap. <i>Progress of Theoretical and Experimental Physics</i> , 2020, 2020, .	6.6	1
36	Strong-coupling effects of pairing fluctuations, and Anderson-Bogoliubov mode in neutron $S_0$ superfluids in neutron stars. <i>Physical Review C</i> , 2020, 102, .	2.9	3

#	ARTICLE	IF	CITATIONS
37	Topological structure of a Nambu monopole in two-Higgs-doublet models: Fiber bundle, Dirac's quantization, and a dyon. <i>Physical Review D</i> , 2020, 102, .	4.7	12
38	Linked vortices as baryons in the miscible BEC-Skyrme model. <i>Physical Review D</i> , 2020, 102, .	4.7	0
39	Exact solutions of domain wall junctions in arbitrary dimensions. <i>Physical Review D</i> , 2020, 102, .	4.7	3
40	Note on a solution to domain wall problem with the Lazarides-Shafi mechanism in axion dark matter models. <i>Physical Review D</i> , 2020, 101, .	4.7	12
41	Coexistence phase of S01 and P23 superfluids in neutron stars. <i>Physical Review C</i> , 2020, 101, .	2.9	7
42	Linking number of vortices as baryon number. <i>Physical Review D</i> , 2020, 101, .	4.7	3
43	Topological defects at the boundary of neutron $P_2$ superfluids in neutron stars. <i>Physical Review C</i> , 2020, 101, .	2.9	7
44	Instantons in chiral magnets. <i>Physical Review B</i> , 2020, 101, .	3.2	12
45	Domain walls in neutron $P_2$ superfluids in neutron stars. <i>Physical Review C</i> , 2020, 101, .	2.9	12
46	Topological Nambu monopole in two Higgs doublet models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 802, 135220.	4.1	15
47	Chemical bonds of two vortex species with a generalized Josephson term and arbitrary charges. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	8
48	Half-quantized non-Abelian vortices in neutron $P_2$ superfluids inside magnetars. <i>Progress of Theoretical and Experimental Physics</i> , 2020, 2020, .	6.6	15
49	Emergent discrete 3-form symmetry and domain walls. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 803, 135290.	4.1	14
50	Dynamics of Nambu monopole in two Higgs doublet models. <i>Cosmological Monopole Collider. Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	16
51	Lattice $\mathbb{Z}_N$ model with $\mathbb{Z}_N$ twisted boundary condition: bions, adiabatic continuity and pseudo-entropy. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	5
52	Vortex confinement transitions in the modified Goldstone model. <i>Physical Review Research</i> , 2020, 2, .	3.6	8
53	Microscopic description of axisymmetric vortices in $P_2$ superfluids. <i>Physical Review Research</i> , 2020, 2, .	3.6	12
54	Critical end point and universality class of neutron $P_2$ superfluids in neutron stars. <i>Physical Review Research</i> , 2020, 2, .	3.6	13

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55	Collision dynamics and reactions of fractional vortex molecules in coherently coupled Bose-Einstein condensates. <i>Physical Review Research</i> , 2020, 2, .	3.6	14
56	Topologically quantized current in quasiperiodic Thouless pumps. <i>Physical Review Research</i> , 2020, 2, .	3.6	17
57	Lattice study on the twisted $\mathbb{C}P^{N-1}$ models on $\mathbb{R} \times S^1$ . , 2020, , .		2
58	Berezinskii-Kosterlitz-Thouless Transition of Two-Component Bose Mixtures with Intercomponent Josephson Coupling. <i>Physical Review Letters</i> , 2019, 123, 075303.	7.8	34
59	Reexamining Ginzburg-Landau theory for neutron P23 superfluidity in neutron stars. <i>Physical Review C</i> , 2019, 100, .	2.9	16
60	Supersymmetry breaking and ghost Goldstino in modulated vacua. <i>Physical Review D</i> , 2019, 99, .	4.7	6
61	Casimir force for the $\mathbb{C}P^{N-1}$ model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High Energy Physics</i> , 2019, 788, 13499.	4.1	13
62	Ground state modulations in the CPN <sup>1</sup> model. <i>Physical Review D</i> , 2019, 100, .	4.7	10
63	Quark-Hadron Crossover with Vortices. , 2019, , .		8
64	Topological couplings in higher derivative extensions of supersymmetric three-form gauge theories. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	6
65	Nambu-Jona Lasinio and Nonlinear Sigma Models in Condensed Matter Systems. <i>Symmetry</i> , 2019, 11, 636.	2.2	6
66	Phase structure of neutron P23 superfluids in strong magnetic fields in neutron stars. <i>Physical Review C</i> , 2019, 99, .	2.9	17
67	Temporally, spatially, or lightlike modulated vacua in Lorentz invariant theories. <i>Physical Review D</i> , 2019, 99, .	4.7	9
68	Bion non-perturbative contributions versus infrared renormalons in two-dimensional $\mathbb{C}P^{N-1}$ models. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	32
69	Quark-hadron continuity under rotation: Vortex continuity or boojum?. <i>Physical Review D</i> , 2019, 99, .	4.7	24
70	Effects of Strong Magnetic Fields on Neutron <sup>3</sup> P <sub>2</sub> Superfluidity with Spin-Orbit Interactions. , 2019, , .		7
71	Confinement-deconfinement crossover in the lattice CPN <sup>1</sup> model. <i>Physical Review D</i> , 2019, 100, .	4.7	9
72	Dual formulations of vortex strings in a supersymmetric Abelian Higgs model. <i>Physical Review D</i> , 2019, 100, .	4.7	2

#	ARTICLE TITLE	JOURNAL	YEAR	IF	CITATIONS
73	Topological order in the color-flavor locked phase of a $U(N_c) \times U(N_f)$ gauge theory	Physical Review D	2019, 100, .	4.7	22
74	Topologically nontrivial Andreev bound states.	Physical Review B	2019, 100, .	3.2	18
75	Confinement of half-quantized vortices in coherently coupled Bose-Einstein condensates: Simulating quark confinement in a QCD-like theory.	Physical Review A	2018, 97, .	2.5	30
76	Topology and symmetry of surface Majorana arcs in cyclic superconductors.	Physical Review B	2018, 97, .	3.2	19
77	Baryonic handles: Skyrmions as open vortex strings on a domain wall.	Physical Review D	2018, 98, .	4.7	9
78	Higher derivative three-form gauge theories and their supersymmetric extension.	Journal of High Energy Physics	2018, 2018, 1.	4.7	12
79	Non-Abelian strings and domain walls in two Higgs doublet models.	Journal of High Energy Physics	2018, 2018, 1.	4.7	26
80	Topological defects in the Georgi-Machacek model.	Physical Review D	2018, 97, .	4.7	11
81	Self-consistent analytic solutions in twisted $Sp(N)$ model in the large-N limit.	Journal of High Energy Physics	2018, 2018, 1.	4.7	7
82	Spatially modulated vacua in a Lorentz-invariant scalar field theory.	European Physical Journal C	2018, 78, 1.	3.9	15
83	Domain wall and three dimensional duality.	Journal of High Energy Physics	2018, 2018, 1.	4.7	1
84	Confining solitons in the Higgs phase of $Sp(N)$ model: self-consistent exact solutions in large-N limit.	Journal of High Energy Physics	2018, 2018, 1.	4.7	7
85	Constraints on two Higgs doublet models from domain walls.	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	2018, 785, 447-453.	4.1	27
86	Hidden charge-conjugation, parity, and time-reversal symmetries and massive Goldstone (Higgs) modes in superconductors.	Physical Review B	2018, 98, .	3.2	14
87	Ghostbusters in f(R) supergravity.	Journal of High Energy Physics	2018, 2018, 1.	4.7	6
88	Higher-order Skyrme hair of black holes.	Journal of High Energy Physics	2018, 2018, 1.	4.7	3
89	Topological solitons in the supersymmetric Skyrme model.	Journal of High Energy Physics	2017, 2017, 1.	4.7	25
90	Low-energy effective worldsheet theory of a non-Abelian vortex in high-density QCD revisited: A regular gauge construction.	Physical Review D	2017, 95, .	4.7	5

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91	Two-dimensional Schrödinger symmetry and three-dimensional breathers and Kelvin-ripple complexes as quasi-massive-Nambu-Goldstone modes. Physical Review A, 2017, 96, .	2.5	4
92	Sign Flip in the Casimir Force for Interacting Fermion Systems. Physical Review Letters, 2017, 119, 031601.	7.8	32
93	P23superfluids are topological. Physical Review B, 2017, 95, .	3.2	23
94	Exact resurgent trans-series and multibion contributions to all orders. Physical Review D, 2017, 95, .	4.7	30
95	Collective excitations of a quantized vortex in $P^2$ superfluids in neutron stars. Physical Review C, 2017, 96, .	2.9	17
96	Conformal symmetry of trapped Bose-Einstein condensates and massive Nambu-Goldstone modes. Physical Review A, 2017, 96, .	2.5	15
97	Some exact Bradlow vortex solutions. Journal of High Energy Physics, 2017, 2017, 1.	4.7	3
98	Supersymmetry in closed chains of coupled Majorana modes. Physical Review B, 2017, 96, .	3.2	10
99	Supersymmetry breaking in spatially modulated vacua. Physical Review D, 2017, 96, .	4.7	11
100	A higher-order Skyrme model. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
101	BPS Alice strings. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
102	Ghost-free vector superfield actions in supersymmetric higher-derivative theories. Journal of High Energy Physics, 2017, 2017, 1.	4.7	12
103	The effective action of a BPS Alice string. European Physical Journal C, 2017, 77, 1.	3.9	10
104	Self-consistent large-N analytical solutions of inhomogeneous condensates in quantum $\hat{P}^1$ model. Journal of High Energy Physics, 2017, 2017, 1.	4.7	15
105	Resurgence structure to all orders of multi-bions in deformed SUSY quantum mechanics. Progress of Theoretical and Experimental Physics, 2017, 2017, .	6.6	25
106	Non-BPS exact solutions and their relation to bions in $\hat{P}^1$ models. Journal of High Energy Physics, 2016, 2016, 1.	4.7	27
107	Ghostbusters in higher derivative supersymmetric theories: who is afraid of propagating auxiliary fields?. Journal of High Energy Physics, 2016, 2016, 1.	4.7	22
108	Stabilizing semilocal strings by polarization. Journal of High Energy Physics, 2016, 2016, 1.	4.7	4

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109	Black hole Skyrmion in a generalized Skyrme model. Journal of High Energy Physics, 2016, 2016, 1.	4.7	19
110	Head butting sheep: kink collisions in the presence of false vacua. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 365203.	2.1	12
111	Skyrmions confined as beads on a vortex ring. Physical Review D, 2016, 94, .	4.7	14
112	Modifying the pion mass in the loosely bound Skyrme model. Physical Review D, 2016, 94, .	4.7	18
113	Field theoretical model of multilayered Josephson junction and dynamics of Josephson vortices. Physical Review B, 2016, 94, .	3.2	7
114	Short-range intervortex interaction and interacting dynamics of half-quantized vortices in two-component Bose-Einstein condensates. Physical Review A, 2016, 93, .	2.5	44
115	Magnetic properties of quantized vortices in neutron superfluids in neutron stars. Physical Review C, 2016, 93, .	2.9	26
116	Coupling between Majorana fermions and Nambu-Goldstone bosons inside a non-Abelian vortex in dense QCD. Physical Review D, 2016, 93, .	4.7	9
117	Aharonov-Bohm phase in high density quark matter. Physical Review D, 2016, 93, .	4.7	14
118	Stable Core Symmetries and Confined Textures for a Vortex Line in a Spinor Bose-Einstein Condensate. Physical Review Letters, 2016, 116, 085301.	7.8	15
119	Nonperturbative contributions from complexified solutions in $C^N$ $a^4$ Physical Review D, 2016, 94, .	4.7	47
120	BPS pion domain walls in the supersymmetric chiral Lagrangian. Physical Review D, 2016, 94, .	4.7	3
121	A supersymmetric Skyrme model. Journal of High Energy Physics, 2016, 2016, 1.	4.7	34
122	Semilocal fractional instantons. Journal of High Energy Physics, 2016, 2016, 1.	4.7	1
123	Nambu-Goldstone modes propagating along topological defects: Kelvin and ripple modes from small to large systems. Physical Review B, 2015, 91, .	3.2	19
124	Fulde-Ferrell-Larkin-Ovchinnikov states in a superconducting ring with magnetic fields: Phase diagram and the first-order phase transitions. Physical Review B, 2015, 92, .	3.2	13
125	Fractional Skyrmions and their molecules. Physical Review D, 2015, 91, .	4.7	20
126	Non-Abelian sine-Gordon solitons: Correspondence between $S$ $U$ stretchy="false"> $N$ $T_j$ $ETQqO$ $O$ $rgBT$ /Overlock 10 Tf 50 57 Td (stretchy="false"> $21$ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> $S$ mathvariant="double-str	4.7	21



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127	Classifying BPS states in supersymmetric gauge theories coupled to higher derivative chiral models. Physical Review D, 2015, 91, .	4.7	21
128	Josephson instantons and Josephson monopoles in a non-Abelian Josephson junction. Physical Review D, 2015, 92, .	4.7	12
129	Interpolating relativistic and nonrelativistic Nambu-Goldstone and Higgs modes. Physical Review D, 2015, 92, .	4.7	8
130	Instantons in Lifshitz field theories. Journal of High Energy Physics, 2015, 2015, 1.	4.7	3
131	Gravitating BPS Skyrmions. Journal of High Energy Physics, 2015, 2015, 1-27.	4.7	9
132	Josephson junction of non-Abelian superconductors and non-Abelian Josephson vortices. Nuclear Physics B, 2015, 899, 78-90.	2.5	13
133	Fractional instantons and bions in the principal chiral model on $\hat{\mathbb{R}}^2 \times S^1$ with twisted boundary conditions. Journal of High Energy Physics, 2015, 2015, 1.	4.7	26
134	Resurgence in sine-Gordon quantum mechanics: exact agreement between multi-instantons and uniform WKB. Journal of High Energy Physics, 2015, 2015, 1.	4.7	38
135	2d partition function in $\hat{\mathbb{C}}$ -background and vortex/instanton correspondence. Journal of High Energy Physics, 2015, 2015, 1-41.	4.7	8
136	Neutral bions in the CPN-1 model for resurgence. Journal of Physics: Conference Series, 2015, 597, 012060.	0.4	17
137	Classifying bions in Grassmann sigma models and non-Abelian gauge theories by D-branes. Progress of Theoretical and Experimental Physics, 2015, 2015, .	6.6	37
138	Baryonic torii: Toroidal baryons in a generalized Skyrme model. Physical Review D, 2015, 91, .	4.7	15
139	Counting rule of Nambu-Goldstone modes for internal and spacetime symmetries: Bogoliubov theory approach. Annals of Physics, 2015, 354, 101-156.	2.8	33
140	Effective field theories on solitons of generic shapes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 173-177.	4.1	11
141	Non-Abelian sine-Gordon solitons. Nuclear Physics B, 2015, 895, 288-302.	2.5	27
142	D-brane solitons in various dimensions. Physical Review D, 2015, 91, .	4.7	11
143	Quasi-Nambu-Goldstone modes in nonrelativistic systems. Physical Review D, 2015, 91, .	4.7	18
144	Fractional instantons and bions in the O(N) model with twisted boundary conditions. Journal of High Energy Physics, 2015, 2015, 1.	4.7	29

#	ARTICLE	IF	CITATIONS
145	Non-Abelian Vortices, Majorana Fermions and Non-Abelian Statistics. , 2015, , .		1
146	Domain walls and vortices in chiral symmetry breaking. Progress of Theoretical and Experimental Physics, 2014, 2014, 33B01-0.	6.6	10
147	Vortices and other topological solitons in dense quark matter. Progress of Theoretical and Experimental Physics, 2014, 2014, .	6.6	103
148	Higher derivative corrections to manifestly supersymmetric nonlinear realizations. Physical Review D, 2014, 90, .	4.7	18
149	BPS states in supersymmetric chiral models with higher derivative terms. Physical Review D, 2014, 90, .	4.7	26
150	Nonrelativistic Nambu-Goldstone Modes Associated with Spontaneously Broken Space-Time and Internal Symmetries. Physical Review Letters, 2014, 113, 120403.	7.8	28
151	Nonrelativistic Nambu-Goldstone modes propagating along a Skyrmion line. Physical Review D, 2014, 90, .	4.7	16
152	Baryonic sphere: A spherical domain wall carrying baryon number. Physical Review D, 2014, 89, .	4.7	22
153	Quantum exact non-abelian vortices in non-relativistic theories. Journal of High Energy Physics, 2014, 2014, 1.	4.7	6
154	Torus knots as Hopfions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 314-318.	4.1	40
155	Non-Abelian vortices with an Aharonov-Bohm effect. Journal of High Energy Physics, 2014, 2014, 1.	4.7	9
156	Vortex Molecules in Bose-Einstein Condensates. Journal of Low Temperature Physics, 2014, 175, 177-188.	1.4	17
157	On Reflectionless Nature of Self-Consistent Multi-Soliton Solutions in Bogoliubov-de Gennes and Chiral Gross-Neveu Models. Journal of Low Temperature Physics, 2014, 175, 250-257.	1.4	9
158	Analytic Self-Consistent Condensates in Quasi-1D Superfluid Fermi Gases in the Andreev Approximation. Journal of Low Temperature Physics, 2014, 175, 420-426.	1.4	0
159	Vortex Polygons and Their Stabilities in Bose-Einstein Condensates and Field Theory. Journal of Low Temperature Physics, 2014, 175, 208-215.	1.4	19
160	Incarnations of Skyrmions. Physical Review D, 2014, 90, .	4.7	33
161	Color magnetism in non-Abelian vortex matter. Journal of High Energy Physics, 2014, 2014, 1.	4.7	20
162	Neutral bions in the $\mathbb{C}P^1$ model. Journal of High Energy Physics, 2014, 2014, 1.	4.7	64

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163	Domain wall Skyrmions. <i>Physical Review D</i> , 2014, 89, .	4.7	36
164	Incarnations of instantons. <i>Nuclear Physics B</i> , 2014, 885, 493-504.	2.5	9
165	All exact solutions of non-Abelian vortices from Yang-Mills instantons. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	5
166	Tachyon Condensation and Brane Annihilation in Bose-Einstein Condensates: Spontaneous Symmetry Breaking in Restricted Lower-Dimensional Subspace. <i>Journal of Low Temperature Physics</i> , 2013, 171, 443-454.	1.4	9
167	Vortex lattices in three-component Bose-Einstein condensates under rotation: Simulating colorful vortex lattices in a color superconductor. <i>Physical Review A</i> , 2013, 88, .	2.5	24
168	Wall-vortex composite solitons in two-component Bose-Einstein condensates. <i>Physical Review A</i> , 2013, 88, .	2.5	36
169	Winding Hopfions on $\mathbb{R}^2$ . <i>Nuclear Physics B</i> , 2013, 876, 605-618.	2.5	15
170	Matryoshka Skyrmions. <i>Nuclear Physics B</i> , 2013, 872, 62-71.	2.5	44
171	Fractional vortex molecules and vortex polygons in a baby Skyrme model. <i>Physical Review D</i> , 2013, 87, .	4.7	21
172	Vortex graphs as N-omers and $\mathbb{C}P^{N-1}$ skyrmions in N-component Bose-Einstein condensates. <i>Europhysics Letters</i> , 2013, 103, 60006.	2.0	22
173	D-brane solitons and boojums in field theory and Bose-Einstein condensates. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 404213.	1.8	15
174	Crossover between Integer and Fractional Vortex Lattices in Coherently Coupled Two-Component Bose-Einstein Condensates. <i>Physical Review Letters</i> , 2013, 111, 170401.	7.8	63
175	Sine-Gordon kinks on a domain wall ring. <i>Physical Review D</i> , 2013, 87, .	4.7	40
176	Self-Consistent Multiple Complex-Kink Solutions in Bogoliubov-DeGennes and Chiral Gross-Neveu Systems. <i>Physical Review Letters</i> , 2013, 110, 131601.	7.8	34
177	Brane realization of Nambu monopoles and electroweak strings. <i>Physical Review D</i> , 2013, 87, .	4.7	8
178	Non-Abelian quasigapless modes localized on mass vortices in superfluid He-3-B. <i>Physical Review D</i> , 2013, 87, .	4.7	11
179	Instantons confined by monopole strings. <i>Physical Review D</i> , 2013, 87, .	4.7	12
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