

Minoru Eto

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3618595/publications.pdf>

Version: 2024-02-01

94
papers

2,921
citations

159585

30
h-index

175258

52
g-index

94
all docs

94
docs citations

94
times ranked

494
citing authors

#	ARTICLE	IF	CITATIONS
1	Solitons in the Higgs phase: the moduli matrix approach. <i>Journal of Physics A</i> , 2006, 39, R315-R392.	1.6	271
2	Moduli Space of Non-Abelian Vortices. <i>Physical Review Letters</i> , 2006, 96, 161601.	7.8	195
3	Instantons in the Higgs phase. <i>Physical Review D</i> , 2005, 72, .	4.7	114
4	Vortices and other topological solitons in dense quark matter. <i>Progress of Theoretical and Experimental Physics</i> , 2014, 2014, .	6.6	103
5	Non-Abelian vortices of higher winding numbers. <i>Physical Review D</i> , 2006, 74, .	4.7	99
6	Universal Reconnection of Non-Abelian Cosmic Strings. <i>Physical Review Letters</i> , 2007, 98, 091602.	7.8	96
7	Interaction of half-quantized vortices in two-component Bose-Einstein condensates. <i>Physical Review A</i> , 2011, 83, .	2.5	93
8	Instabilities of Non-Abelian Vortices in Dense QCD. <i>Physical Review Letters</i> , 2010, 104, 161601.	7.8	80
9	Non-Abelian vortices on a cylinder: Duality between vortices and walls. <i>Physical Review D</i> , 2006, 73, .	4.7	75
10	Manifestly supersymmetric effective Lagrangians on BPS solitons. <i>Physical Review D</i> , 2006, 73, .	4.7	72
11	On the moduli space of semilocal strings and lumps. <i>Physical Review D</i> , 2007, 76, .	4.7	71
12	Color magnetic flux tubes in dense QCD. <i>Physical Review D</i> , 2009, 80, .	4.7	69
13	Non-Abelian duality from vortex moduli: A dual model of color-confinement. <i>Nuclear Physics B</i> , 2007, 780, 161-187.	2.5	64
14	Skyrmions from Instantons inside Domain Walls. <i>Physical Review Letters</i> , 2005, 95, 252003.	7.8	62
15	D-brane construction for non-Abelian walls. <i>Physical Review D</i> , 2005, 71, .	4.7	61
16	1/2, 1/4 and 1/8 BPS equations in SUSY Yang-Mills-Higgs systems: Field theoretical brane configurations. <i>Nuclear Physics B</i> , 2006, 752, 140-172.	2.5	59
17	Constructing non-Abelian vortices with arbitrary gauge groups. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 669, 98-101.	4.1	59
18	Webs of domain walls in supersymmetric gauge theories. <i>Physical Review D</i> , 2005, 72, .	4.7	56

#	ARTICLE	IF	CITATIONS
19	Effective world-sheet theory of color magnetic flux tubes in dense QCD. <i>Physical Review D</i> , 2009, 80, .	4.7	56
20	Non-Abelian webs of walls. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006, 632, 384-392.	4.1	48
21	Global structure of moduli space for BPS walls. <i>Physical Review D</i> , 2005, 71, .	4.7	45
22	Short-range intervortex interaction and interacting dynamics of half-quantized vortices in two-component Bose-Einstein condensates. <i>Physical Review A</i> , 2016, 93, .	2.5	44
23	Statistical mechanics of vortices from D-branes and T-duality. <i>Nuclear Physics B</i> , 2008, 788, 120-136.	2.5	41
24	Solvable models of domain walls in $N=1$ supergravity. <i>Physical Review D</i> , 2003, 68, .	4.7	38
25	Domain walls with non-Abelian clouds. <i>Physical Review D</i> , 2008, 77, .	4.7	38
26	Vortex trimer in three-component Bose-Einstein condensates. <i>Physical Review A</i> , 2012, 85, .	2.5	38
27	Non-Abelian vortices in $SO(N)$ and $USp(N)$ gauge theories. <i>Journal of High Energy Physics</i> , 2009, 2009, 004-004.	4.7	35
28	Berezinskii-Kosterlitz-Thouless Transition of Two-Component Bose Mixtures with Intercomponent Josephson Coupling. <i>Physical Review Letters</i> , 2019, 123, 075303.	7.8	34
29	Ferromagnetic neutron stars: Axial anomaly, dense neutron matter, and pionic wall. <i>Physical Review D</i> , 2013, 88, .	4.7	32
30	Dynamics of domain wall networks. <i>Physical Review D</i> , 2007, 76, .	4.7	30
31	Baryonic Bound State of Vortices in Multicomponent Superconductors. <i>Journal of the Physical Society of Japan</i> , 2012, 81, 084711.	1.6	30
32	Confinement of half-quantized vortices in coherently coupled Bose-Einstein condensates: Simulating quark confinement in a QCD-like theory. <i>Physical Review A</i> , 2018, 97, .	2.5	30
33	Confined monopoles induced by quantum effects in dense QCD. <i>Physical Review D</i> , 2011, 83, .	4.7	29
34	Effective action of domain wall networks. <i>Physical Review D</i> , 2007, 75, .	4.7	27
35	Multiple layer structure of non-Abelian vortex. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009, 678, 254-258.	4.1	27
36	Constraints on two Higgs doublet models from domain walls. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 785, 447-453.	4.1	27

#	ARTICLE	IF	CITATIONS
37	Non-Abelian strings and domain walls in two Higgs doublet models. Journal of High Energy Physics, 2018, 2018, 1.	4.7	26
38	SO and USp Kähler and hyper-Kähler quotients and lumps. Nuclear Physics B, 2009, 815, 495-538.	2.5	25
39	Vortices and monopoles in mass-deformed SO and USp gauge theories. Journal of High Energy Physics, 2011, 2011, 1.	4.7	25
40	D-brane Configurations for Domain Walls and Their Webs. AIP Conference Proceedings, 2005, , .	0.4	23
41	Fractional vortices and lumps. Physical Review D, 2009, 80, .	4.7	23
42	Static interactions of non-Abelian vortices. Journal of High Energy Physics, 2008, 2008, 100-100.	4.7	22
43	Vortex graphs as N-omers and $\mathbb{C}P^{N-1}$ skyrmions in N-component Bose-Einstein condensates. Europhysics Letters, 2013, 103, 60006.	2.0	22
44	Solitons in supersymmetry breaking meta-stable vacua. Journal of High Energy Physics, 2007, 2007, 061-061.	4.7	21
45	Dynamics of strings between walls. Physical Review D, 2009, 79, .	4.7	21
46	Non-Abelian sine-Gordon solitons: Correspondence between $S \langle U \rangle$		
47	Non-Abelian global vortices. Nuclear Physics B, 2009, 821, 129-150.	2.5	19
48	Exactly solved BPS wall and winding number N=1 supergravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 553, 87-95.	4.1	18
49	Vortex Molecules in Bose-Einstein Condensates. Journal of Low Temperature Physics, 2014, 175, 177-188.	1.4	17
50	Group theory of non-abelian vortices. Journal of High Energy Physics, 2010, 2010, 1.	4.7	16
51	Dynamics of Nambu monopole in two Higgs doublet models. Cosmological Monopole Collider. Journal of High Energy Physics, 2020, 2020, 1.	4.7	16
52	Type I non-abelian superconductors in supersymmetric gauge theories. Journal of High Energy Physics, 2007, 2007, 090-090.	4.7	15
53	Topological Nambu monopole in two Higgs doublet models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 802, 135220.	4.1	15
54	Bogomol'nyi-Prasad-Sommerfield multiwalls in five-dimensional supergravity. Physical Review D, 2004, 69, .	4.7	14

#	ARTICLE	IF	CITATIONS
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	On the stability of non-Abelian semi-local vortices. <i>Nuclear Physics B</i> , 2009, 813, 484-502.	2.5	13
57	Radius stabilization in a supersymmetric warped compactification. <i>Physical Review D</i> , 2004, 70, .	4.7	12
58	Cosmic R-string, R-tube and vacuum instability. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	12
59	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
60	Instability of colliding metastable strings. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	11
61	Grand unified brane world scenario. <i>Physical Review D</i> , 2017, 96, .	4.7	11
62	Domain walls and vortices in chiral symmetry breaking. <i>Progress of Theoretical and Experimental Physics</i> , 2014, 2014, 33B01-0.	6.6	10
63	Dynamics of non-Abelian vortices. <i>Physical Review D</i> , 2011, 84, .	4.7	9
64	Chiral non-Abelian vortices and their confinement in three flavor dense QCD. <i>Physical Review D</i> , 2021, 104, .	4.7	9
65	Brane realization of Nambu monopoles and electroweak strings. <i>Physical Review D</i> , 2013, 87, .	4.7	8
66	Synthetic superfluid chemistry with vortex-trapped quantum impurities. <i>Physical Review Research</i> , 2021, 3, .	3.6	8
67	Stable Z-strings with topological polarization in two Higgs doublet model. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	4.7	8
68	Localization of the Standard Model via the Higgs mechanism and a finite electroweak monopole from non-compact five dimensions. <i>Progress of Theoretical and Experimental Physics</i> , 2018, 2018, .	6.6	7
69	Exhausting all exact solutions of BPS domain wall networks in arbitrary dimensions. <i>Physical Review D</i> , 2020, 101, .	4.7	6
70	All exact solutions of non-Abelian vortices from Yang-Mills instantons. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	5
71	Dynamics of slender monopoles and anti-monopoles in non-Abelian superconductor. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	5
72	Localization of gauge bosons and the Higgs mechanism on topological solitons in higher dimensions. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	5

#	ARTICLE	IF	CITATIONS
73	Zero-modes of non-Abelian solitons in three-dimensional gauge theories. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 095401.	2.1	4
74	Chiral magnetic effect from Q-balls. Physical Review D, 2011, 83, .	4.7	4
75	Anomaly-induced charges in baryons. Physical Review D, 2012, 85, .	4.7	4
76	Stabilizing semilocal strings by polarization. Journal of High Energy Physics, 2016, 2016, 1.	4.7	4
77	Massless bosons on domain walls: Jackiw-Rebbi-like mechanism for bosonic fields. Physical Review D, 2019, 100, .	4.7	4
78	Speed limit in internal space of domain walls via all-order effective action of moduli motion. Physical Review D, 2016, 93, .	4.7	3
79	Non-Abelian gauge field localization on walls and geometric Higgs mechanism. Progress of Theoretical and Experimental Physics, 2017, 2017, .	6.6	3
80	Localized non-Abelian gauge fields in non-compact extra dimensions. Progress of Theoretical and Experimental Physics, 2018, 2018, .	6.6	3
81	Exact solutions of domain wall junctions in arbitrary dimensions. Physical Review D, 2020, 102, .	4.7	3
82	Stabilizing matter and gauge fields localized on walls. Progress of Theoretical and Experimental Physics, 2013, 2013, .	6.6	2
83	J-kink domain walls and the DBI action. Journal of High Energy Physics, 2015, 2015, 1.	4.7	2
84	Dyonic non-Abelian vortex strings in supersymmetric and non-supersymmetric theories with tensions and higher derivative corrections. Journal of High Energy Physics, 2015, 2015, 1.	4.7	2
85	Dynamics of global and local vortices with orientational moduli. Journal of High Energy Physics, 2021, 2021, 1.	4.7	2
86	Standard model gauge fields localized on non-Abelian vortices in six dimensions. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	2
87	Semilocal fractional instantons. Journal of High Energy Physics, 2016, 2016, 1.	4.7	1
88	BPS boojums in $\mathcal{N}=2$ supersymmetric gauge theories II. Progress of Theoretical and Experimental Physics, 2017, 2017, .	6.6	1
89	BPS boojums in $\mathcal{N}=2$ supersymmetric gauge theories I. Progress of Theoretical and Experimental Physics, 2017, 2017, .	6.6	1
90	Domain wall and three dimensional duality. Journal of High Energy Physics, 2018, 2018, 1.	4.7	1

#	ARTICLE	IF	CITATIONS
91	1/2-BPS vortex strings in N=2 supersymmetric U(1)N gauge theories. Journal of Mathematical Physics, 2021, 62, 032304.	1.1	1
92	SOLITONS IN SUPERSYMMETRIC GAUGE THEORIES: MODULI MATRIX APPROACH. , 2007, , .		1
93	Static Interactions of non-Abelian Vortices. , 2008, , .		1
94	The moduli space of non-abelian vortices in Yang-Mills-Chern-Simons-Higgs theory. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 425402.	2.1	0