Luiz Agostinho Ferreira

List of Publications by Year
in descending order

86	1,337	361413	395702
papers	citations	20 h-index	33 g-index

87	87	87	283
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Generalized self-duality for the Yang-Mills-Higgs system. Physical Review D, 2021, 104, .	4.7	1
2	Self-duality in the context of the Skyrme model. Journal of High Energy Physics, 2020, 2020, 1.	4.7	5
3	Self-dual sectors for scalar field theories in (1 + 1) dimensions. Journal of High Energy Physics, 2019, 2019, 1.	4.7	18
4	Some comments on BPS systems. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 315201.	2.1	7
5	Quasi-integrability of deformations of the KdV equation. Nuclear Physics B, 2019, 939, 49-94.	2.5	10
6	A mild source for the Wuâ€“Yang magnetic monopole. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 155202.	2.1	3
7	An approach to integrable theories in any dimension: the role of non-semisimple Lie algebras. , 2019, , 79-90.		0
8	Self-dual Skyrmions on the spheres <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mi>S</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msup></mml:mrow></mml:math> Physical Review D, 2018, 97, .	4.7	1
9	Exact self-dual skyrmions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 621-627.	4.1	17
10	Direct test of the integral Yang-Mills equations through <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>S</mml:mi><mml:mi>U</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mn>2</mml:mn><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 367 Td (stretchy="false">)</mml:m	4.7	1
11	Exact self-duality in a modified Skyrme model. Journal of High Energy Physics, 2017, 2017, 1.	4.7	19
12	Breather-like structures in modified sine-Gordon models. Nonlinearity, 2016, 29, 1622-1644.	1.4	10
13	Quasi-integrable deformations of the SU(3) Affine Toda theory. Journal of High Energy Physics, 2016, 2016, 1.	4.7	36
14	A remark on the asymptotic form of BPS multi-dyon solutions and their conserved charges. Journal of High Energy Physics, 2015, 2015, 1-17.	4.7	2
15	Quasi-integrable deformations of the Bullough-Dodd model. Journal of High Energy Physics, 2015, 2015, 1.	4.7	11
16	Numerical and analytical tests of quasi-integrability in modified sine-Gordon models. Journal of High Energy Physics, 2014, 2014, 1.	4.7	14
17	A Skyrme-like model with an exact BPS bound. Journal of High Energy Physics, 2013, 2013, 1.	4.7	17
18	Some aspects of self-duality and generalised BPS theories. Journal of High Energy Physics, 2013, 2013, 1.	4.7	40

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19	Some vortex solutions in the extended Skyrme-Faddeev model. Journal of Physics: Conference Series, 2013, 411, 012014.	0.4	0
20	The concept of quasi-integrability. , 2013, , .		5
21	Integral form of Yang-Mills equations and its gauge invariant conserved charges. Physical Review D, 2012, 86, .	4.7	6
22	The concept of quasi-integrability for modified non-linear SchrÃ¶dinger models. Journal of High Energy Physics, 2012, 2012, 1.	4.7	25
23	Vortices in the extended Skyrme-Faddeev model. Physical Review D, 2012, 85, .	4.7	9
24	Gauge and integrable theories in loop spaces. Nuclear Physics B, 2012, 858, 336-365.	2.5	9
25	ATTEMPTS TO DEFINE QUASI-INTEGRABILITY. International Journal of Geometric Methods in Modern Physics, 2012, 09, 1261004.	2.0	1
26	Some (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 477 Td (display="inline" vortex solutions of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>C</mml:mi><mml:msup><mml:mi>P</mml:mi><mml:mi>N</mml:mi></mml:msup></mml:math>model. Physical Review D, 2011, 83, .	4.7	5
27	Some comments on quasi-integrability. Reports on Mathematical Physics, 2011, 67, 197-209.	0.8	0
28	The concept of quasi-integrability: a concrete example. Journal of High Energy Physics, 2011, 2011, 1.	4.7	35
29	Some properties of (3â€‰+â€‰1) dimensional vortex solutions in the extended CP N Skyrme-Faddeev model. Journal of High Energy Physics, 2011, 2011, 1.	4.7	8
30	Properties of some (3+1)-dimensional vortex solutions of theCPNmodel. Physical Review D, 2011, 84, .	4.7	7
31	Self-dual hopfions. Journal of High Energy Physics, 2010, 2010, 1.	4.7	5
32	Exact vortex solutions in a CP N Skyrme-Faddeev type model. Journal of High Energy Physics, 2010, 2010, 1.	4.7	24
33	Axially symmetric soliton solutions in a Skyrmeâ€“Faddeev-type model with Gies's extension. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 434014.	2.1	2
34	Static Hopfions in the extended Skyrme-Faddeev model. Journal of High Energy Physics, 2009, 2009, 124-124.	4.7	9
35	Exact vortex solutions in an extended Skyrme-Faddeev model. Journal of High Energy Physics, 2009, 2009, 001-001.	4.7	26
36	INTEGRABLE THEORIES AND LOOP SPACES: FUNDAMENTALS, APPLICATIONS AND NEW DEVELOPMENTS. International Journal of Modern Physics A, 2009, 24, 1825-1888.	1.5	38

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37	Some Properties of Solitons. NATO Science for Peace and Security Series A: Chemistry and Biology, 2009, , 103-121.	0.5	0
38	The Bullough–Dodd model coupled to matter fields. Nuclear Physics B, 2008, 800, 409-449.	2.5	12
39	Wobbles and other kink-breather solutions of the sine-Gordon model. Physical Review E, 2008, 77, 036613.	2.1	40
40	Dynamics of the topological structures in inhomogeneous media. Journal of Physics: Conference Series, 2008, 128, 012027.	0.4	5
41	A simple formula for the conserved charges of soliton theories. Journal of High Energy Physics, 2007, 2007, 015-015.	4.7	16
42	Spinning Hopf solitons onS3Ã— Bbb R. Journal of High Energy Physics, 2006, 2006, 097-097.	4.7	4
43	Exact time dependent Hopf solitons in 3+1 dimensions. Journal of High Energy Physics, 2006, 2006, 075-075.	4.7	10
44	Euclidean 4d exact solitons in a Skyrme type model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 606, 417-422.	4.1	3
45	A model for Hopfions on the space–time S3Ã—R. Journal of Mathematical Physics, 2005, 46, 012703.	1.1	17
46	Construction of exact Riemannian instanton solutions. Journal of Physics A, 2003, 36, 7193-7209.	1.6	4
47	Integrability and Conformal Symmetry in Higher Dimensions: A Model with Exact Hopfion Solutions. Journal of High Energy Physics, 2002, 2002, 020-020.	4.7	30
48	Confinement and soliton solutions in the SL(3) Toda model coupled to matter fields. Nuclear Physics B, 2002, 626, 463-499.	2.5	15
49	Infinite symmetries in the Skyrme model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 504, 195-200.	4.1	17
50	Hopf Solitons and Area-Preserving Diffeomorphisms of the Sphere. Letters in Mathematical Physics, 2001, 55, 143-148.	1.1	16
51	The complex sine-Gordon equation as a symmetry flow of the AKNS hierarchy. Journal of Physics A, 2000, 33, L331-L337.	1.6	23
52	Confinement, solitons and the equivalence between the sine-Gordon and massive Thirring models. Nuclear Physics B, 2000, 571, 607-631.	2.5	14
53	Integrable theories in any dimension: a perspective. , 1999, , .		2
54	Exact Static Soliton Solutions of(3+1)-Dimensional Integrable Theory with Nonzero Hopf Numbers. Physical Review Letters, 1999, 83, 1723-1726.	7.8	98

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55	Toroidal solitons in 3+1 dimensional integrable theories. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 456, 162-170.	4.1	55
56	Riccati-Type Equations, Generalised WZNW Equations, and Multidimensional Toda Systems. Communications in Mathematical Physics, 1999, 203, 649-666.	2.2	6
57	Integrable theories in any dimension and homogenous spaces. Nuclear Physics B, 1999, 547, 471-500.	2.5	12
58	Some comments on the bi(tri)-Hamiltonian structure of generalized AKNS and DNLS hierarchies. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 237, 225-233.	2.1	5
59	A new approach to integrable theories in any dimension. Nuclear Physics B, 1998, 529, 689-736.	2.5	100
60	Solitons from dressing in an algebraic approach to the constrained KP heirachy. Journal of Physics A, 1998, 31, 9483-9492.	1.6	5
61	Constrained KP models as integrable matrix hierarchies. Journal of Mathematical Physics, 1997, 38, 1559-1576.	1.1	19
62	Tau-functions and dressing transformations for zero-curvature affine integrable equations. Journal of Mathematical Physics, 1997, 38, 882-901.	1.1	39
63	The structures underlying soliton solutions in integrable hierarchies. , 1997, , .		0
64	Affine Toda systems coupled to matter fields. Nuclear Physics B, 1996, 470, 236-288.	2.5	40
65	Orthogonal decomposition of some affine Lie algebras in terms of their Heisenberg subalgebras. Theoretical and Mathematical Physics(Russian Federation), 1995, 102, 10-22.	0.9	1
66	Solitons, Ï„-functions and hamiltonian reduction for non-Abelian conformal affine Toda theories. Nuclear Physics B, 1995, 449, 631-679.	2.5	31
67	THE CONSERVED CHARGES AND INTEGRABILITY OF THE CONFORMAL AFFINE TODA MODELS. Modern Physics Letters A, 1994, 09, 2783-2801.	1.2	13
68	On discrete symmetries of the multi-boson KP hierarchies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 327, 266-273.	4.1	7
69	Toda and Volterra lattice equations from discrete symmetries of KP hierarchies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 316, 85-92.	4.1	20
70	Connection between the affine and conformal affine Toda models and their Hirota solution. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 298, 88-94.	4.1	24
71	On non-linear W-infinity symmetry of generalized Liouville and conformal Toda models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 318, 604-612.	4.1	0
72	Hirota's solitons in the affine and the conformal affine Toda models. Nuclear Physics B, 1993, 406, 727-770.	2.5	48

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73	On two-current realization of KP hierarchy. Nuclear Physics B, 1993, 402, 85-117.	2.5	32
74	GENERALIZED MIURA TRANSFORMATIONS, TWO-BOSON KP HIERARCHIES AND THEIR REDUCTION TO KdV HIERARCHIES. Modern Physics Letters A, 1993, 08, 3079-3091.	1.2	3
75	The Jordan structure of Lie and Kac-Moody algebras. Journal of Physics A, 1992, 25, 5071-5088.	1.6	0
76	SUPERSYMMETRIC CONSTRUCTION OF W ALGEBRAS FROM SUPER TODA AND WZNW THEORIES. International Journal of Modern Physics A, 1992, 07, 7713-7740.	1.5	1
77	Comments on two-loop Kac-Moody algebras. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 274, 65-71.	4.1	19
78	Higher spin symmetries and wâˆž algebra in the conformal affine Toda model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 281, 245-253.	4.1	8
79	A new deformation of W-infinity and applications to the two-loop WZNW and conformal affine Toda models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 293, 67-71.	4.1	11
80	Kac-Moody construction of Toda type field theories. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 254, 372-380.	4.1	57
81	Solutions to higher Hamiltonians in the Toda hierarchies. Journal of Mathematical Physics, 1990, 31, 3041-3046.	1.1	0
82	Symplectic bosons, Fermi fields and super Jordan algebras. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 234, 315-320.	4.1	1
83	INTEGRABILITY AND SYMMETRIC SPACES II: THE COSET SPACES. International Journal of Modern Physics A, 1989, 04, 675-699.	1.5	1
84	INTEGRABILITY AND SYMMETRIC SPACES I: THE GROUP MANIFOLD. International Journal of Modern Physics A, 1989, 04, 649-674.	1.5	1
85	Vertex operators and Jordan fields. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 214, 367-370.	4.1	6
86	Non-compact symmetric spaces and the Toda molecule equations. Communications in Mathematical Physics, 1985, 99, 365-384.	2.2	20