

Luiz Agostinho Ferreira

List of Publications by Year in descending order

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395702

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87
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87
docs citations

87
times ranked

283
citing authors

#	ARTICLE	IF	CITATIONS
1	A new approach to integrable theories in any dimension. Nuclear Physics B, 1998, 529, 689-736.	2.5	100
2	Exact Static Soliton Solutions of(3+1)-Dimensional Integrable Theory with Nonzero Hopf Numbers. Physical Review Letters, 1999, 83, 1723-1726.	7.8	98
3	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
4	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
5	Hirota's solitons in the affine and the conformal affine Toda models. Nuclear Physics B, 1993, 406, 727-770.	2.5	48
6	Affine Toda systems coupled to matter fields. Nuclear Physics B, 1996, 470, 236-288.	2.5	40
7	Wobbles and other kink-breather solutions of the sine-Gordon model. Physical Review E, 2008, 77, 036613.	2.1	40
8	Some aspects of self-duality and generalised BPS theories. Journal of High Energy Physics, 2013, 2013, 1.	4.7	40
9	Tau-functions and dressing transformations for zero-curvature affine integrable equations. Journal of Mathematical Physics, 1997, 38, 882-901.	1.1	39
10	INTEGRABLE THEORIES AND LOOP SPACES: FUNDAMENTALS, APPLICATIONS AND NEW DEVELOPMENTS. International Journal of Modern Physics A, 2009, 24, 1825-1888.	1.5	38
11	Quasi-integrable deformations of the SU(3) Affine Toda theory. Journal of High Energy Physics, 2016, 2016, 1.	4.7	36
12	The concept of quasi-integrability: a concrete example. Journal of High Energy Physics, 2011, 2011, 1.	4.7	35
13	On two-current realization of KP hierarchy. Nuclear Physics B, 1993, 402, 85-117.	2.5	32
14	Solitons, \check{L} -functions and hamiltonian reduction for non-Abelian conformal affine Toda theories. Nuclear Physics B, 1995, 449, 631-679.	2.5	31
15	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
16	Exact vortex solutions in an extended Skyrme-Faddeev model. Journal of High Energy Physics, 2009, 2009, 001-001.	4.7	26
17	The concept of quasi-integrability for modified non-linear Schrödinger models. Journal of High Energy Physics, 2012, 2012, 1.	4.7	25
18	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

#	ARTICLE	IF	CITATIONS
19	Exact vortex solutions in a CP N Skyrme-Faddeev type model. Journal of High Energy Physics, 2010, 2010, 1.	4.7	24
20	The complex sine-Gordon equation as a symmetry flow of the AKNS hierarchy. Journal of Physics A, 2000, 33, L331-L337.	1.6	23
21	Non-compact symmetric spaces and the Toda molecule equations. Communications in Mathematical Physics, 1985, 99, 365-384.	2.2	20
22	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
23	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
24	Constrained KP models as integrable matrix hierarchies. Journal of Mathematical Physics, 1997, 38, 1559-1576.	1.1	19
25	Exact self-duality in a modified Skyrme model. Journal of High Energy Physics, 2017, 2017, 1.	4.7	19
26	Self-dual sectors for scalar field theories in (1 + 1) dimensions. Journal of High Energy Physics, 2019, 2019, 1.	4.7	18
27	Infinite symmetries in the Skyrme model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 504, 195-200.	4.1	17
28	A model for Hopfions on the space-time $S^3 \times \mathbb{R}$. Journal of Mathematical Physics, 2005, 46, 012703.	1.1	17
29	A Skyrme-like model with an exact BPS bound. Journal of High Energy Physics, 2013, 2013, 1.	4.7	17
30	Exact self-dual skyrmions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 621-627.	4.1	17
31	Hopf Solitons and Area-Preserving Diffeomorphisms of the Sphere. Letters in Mathematical Physics, 2001, 55, 143-148.	1.1	16
32	A simple formula for the conserved charges of soliton theories. Journal of High Energy Physics, 2007, 2007, 015-015.	4.7	16
33	Confinement and soliton solutions in the SL(3) Toda model coupled to matter fields. Nuclear Physics B, 2002, 626, 463-499.	2.5	15
34	Confinement, solitons and the equivalence between the sine-Gordon and massive Thirring models. Nuclear Physics B, 2000, 571, 607-631.	2.5	14
35	Numerical and analytical tests of quasi-integrability in modified sine-Gordon models. Journal of High Energy Physics, 2014, 2014, 1.	4.7	14
36	THE CONSERVED CHARGES AND INTEGRABILITY OF THE CONFORMAL AFFINE TODA MODELS. Modern Physics Letters A, 1994, 09, 2783-2801.	1.2	13

#	ARTICLE	IF	CITATIONS
37	Integrable theories in any dimension and homogenous spaces. Nuclear Physics B, 1999, 547, 471-500.	2.5	12
38	The Bullough-Dodd model coupled to matter fields. Nuclear Physics B, 2008, 800, 409-449.	2.5	12
39	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
40	Quasi-integrable deformations of the Bullough-Dodd model. Journal of High Energy Physics, 2015, 2015, 1.	4.7	11
41	Exact time dependent Hopf solitons in 3+1 dimensions. Journal of High Energy Physics, 2006, 2006, 075-075.	4.7	10
42	Breather-like structures in modified sine-Gordon models. Nonlinearity, 2016, 29, 1622-1644.	1.4	10
43	Quasi-integrability of deformations of the KdV equation. Nuclear Physics B, 2019, 939, 49-94.	2.5	10
44	Static Hopfions in the extended Skyrme-Faddeev model. Journal of High Energy Physics, 2009, 2009, 124-124.	4.7	9
45	Vortices in the extended Skyrme-Faddeev model. Physical Review D, 2012, 85, .	4.7	9
46	Gauge and integrable theories in loop spaces. Nuclear Physics B, 2012, 858, 336-365.	2.5	9
47	Higher spin symmetries and \widehat{w} 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
48	Some properties of $(3+1)$ dimensional vortex solutions in the extended CP N Skyrme-Faddeev model. Journal of High Energy Physics, 2011, 2011, 1.	4.7	8
49	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
50	Properties of some $(3+1)$ -dimensional vortex solutions of the CPN model. Physical Review D, 2011, 84, .	4.7	7
51	Some comments on BPS systems. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 315201.	2.1	7
52	Vertex operators and Jordan fields. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 214, 367-370.	4.1	6
53	Riccati-Type Equations, Generalised WZNW Equations, and Multidimensional Toda Systems. Communications in Mathematical Physics, 1999, 203, 649-666.	2.2	6
54	Integral form of Yang-Mills equations and its gauge invariant conserved charges. Physical Review D, 2012, 86, .	4.7	6

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55	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
56	Solitons from dressing in an algebraic approach to the constrained KP heirachy. Journal of Physics A, 1998, 31, 9483-9492.	1.6	5
57	Dynamics of the topological structures in inhomogeneous media. Journal of Physics: Conference Series, 2008, 128, 012027.	0.4	5
58	Self-dual hopfions. Journal of High Energy Physics, 2010, 2010, 1.	4.7	5
59	Some vortex solutions of the $C_{N,P}$ model. Physical Review D, 2011, 83, .	4.7	5
60	The concept of quasi-integrability. , 2013, , .		5
61	Self-duality in the context of the Skyrme model. Journal of High Energy Physics, 2020, 2020, 1.	4.7	5
62	Construction of exact Riemannian instanton solutions. Journal of Physics A, 2003, 36, 7193-7209.	1.6	4
63	Spinning Hopf solitons on S^3 — Bbb R. Journal of High Energy Physics, 2006, 2006, 097-097.	4.7	4
64	GENERALIZED MIURA TRANSFORMATIONS, TWO-BOSON KP HIERARCHIES AND THEIR REDUCTION TO KdV HIERARCHIES. Modern Physics Letters A, 1993, 08, 3079-3091.	1.2	3
65	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
66	A mild source for the Wu-Yang magnetic monopole. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 155202.	2.1	3
67	Integrable theories in any dimension: a perspective. , 1999, , .		2
68	Axially symmetric soliton solutions in a Skyrme-Faddeev-type model with Gies's extension. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 434014.	2.1	2
69	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
70	INTEGRABILITY AND SYMMETRIC SPACES II: THE COSET SPACES. International Journal of Modern Physics A, 1989, 04, 675-699.	1.5	1
71	INTEGRABILITY AND SYMMETRIC SPACES I: THE GROUP MANIFOLD. International Journal of Modern Physics A, 1989, 04, 649-674.	1.5	1
72	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

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73	SUPERSYMMETRIC CONSTRUCTION OF W ALGEBRAS FROM SUPER TODA AND WZNW THEORIES. International Journal of Modern Physics A, 1992, 07, 7713-7740.	1.5	1
74	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
75	ATTEMPTS TO DEFINE QUASI-INTEGRABILITY. International Journal of Geometric Methods in Modern Physics, 2012, 09, 1261004.	2.0	1
76	Direct test of the integral Yang-Mills equations through $S[U] = \int d^4x \text{Tr} \left(\frac{1}{2} F_{\mu\nu} F^{\mu\nu} \right)$	4.7	1
77	Self-dual Skyrmons on the spheres $S^2 \times S^1$		
78	Generalized self-duality for the Yang-Mills-Higgs system. Physical Review D, 2021, 104, .	4.7	1
79	Solutions to higher Hamiltonians in the Toda hierarchies. Journal of Mathematical Physics, 1990, 31, 3041-3046.	1.1	0
80	The Jordan structure of Lie and Kac-Moody algebras. Journal of Physics A, 1992, 25, 5071-5088.	1.6	0
81	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
82	The structures underlying soliton solutions in integrable hierarchies. , 1997, , .		0
83	Some comments on quasi-integrability. Reports on Mathematical Physics, 2011, 67, 197-209.	0.8	0
84	Some vortex solutions in the extended Skyrme-Faddeev model. Journal of Physics: Conference Series, 2013, 411, 012014.	0.4	0
85	Some Properties of Solitons. NATO Science for Peace and Security Series A: Chemistry and Biology, 2009, , 103-121.	0.5	0
86	An approach to integrable theories in any dimension: the role of non-semisimple Lie algebras. , 2019, , 79-90.		0