

Laszlo Feher

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92
papers

1,493
citations

21
h-index

35
g-index

94
ext. papers

1,553
ext. citations

2.4
avg, IF

4.46
L-index

#	Paper	IF	Citations
92	Toda theory and W-algebra from a gauged WZNW point of view. <i>Annals of Physics</i> , 1990 , 203, 76-136	2.5	182
91	On Hamiltonian reductions of the Wess-Zumino-Novikov-Witten theories. <i>Physics Reports</i> , 1992 , 222, 1-64	27.7	132
90	Liouville and Toda theories as conformally reduced WZNW theories. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989 , 227, 214-220	4.2	122
89	O(4,2) dynamical symmetry of the Kaluza-Klein monopole. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988 , 201, 481-486	4.2	57
88	COADJOINT ORBITS OF THE VIRASORO ALGEBRA AND THE GLOBAL LIOUVILLE EQUATION. <i>International Journal of Modern Physics A</i> , 1998 , 13, 315-362	1.2	54
87	Dynamical symmetry of monopole scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987 , 183, 182-186	4.2	53
86	Kac-Moody realization of \mathfrak{g} -algebras. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 244, 435-441	4.2	51
85	Classical r-matrix and exchange algebra in WZNW and Toda theories. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 244, 227-234	4.2	45
84	Generalized Drinfeld-Sokolov reductions and KdV type hierarchies. <i>Communications in Mathematical Physics</i> , 1993 , 154, 181-214	2	44
83	Poisson-Lie Interpretation of Trigonometric Ruijsenaars Duality. <i>Communications in Mathematical Physics</i> , 2011 , 301, 55-104	2	33
82	A Class of Calogero Type Reductions of Free Motion on a Simple Lie Group. <i>Letters in Mathematical Physics</i> , 2007 , 79, 263-277	1.2	31
81	Generalized Toda theories and W-algebras associated with integral gradings. <i>Annals of Physics</i> , 1992 , 213, 1-20	2.5	31
80	Inequivalent quantizations of the three-particle Calogero model constructed by separation of variables. <i>Nuclear Physics B</i> , 2005 , 715, 713-757	2.8	29
79	Self-duality of the compactified Ruijsenaars-Schneider system from quasi-Hamiltonian reduction. <i>Nuclear Physics B</i> , 2012 , 860, 464-515	2.8	28
78	Regular conjugacy classes in the Weyl group and integrable hierarchies. <i>Journal of Physics A</i> , 1995 , 28, 5843-5882		28
77	On the duality between the hyperbolic Sutherland and the rational Ruijsenaars-Schneider models. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009 , 42, 185202	2	25
76	Kepler-type dynamical symmetries of long-range monopole interactions. <i>Journal of Mathematical Physics</i> , 1990 , 31, 202-211	1.2	24

75	Wakimoto Realizations of Current Algebras: An Explicit Construction. <i>Communications in Mathematical Physics</i> , 1997 , 189, 759-793	2	23
74	Ghost systems: a vertex algebra point of view. <i>Nuclear Physics B</i> , 1998 , 518, 669-688	2.8	22
73	Extensions of the matrix Gelfand-Dickey hierarchy from generalized Drinfeld-Sokolov reduction. <i>Communications in Mathematical Physics</i> , 1997 , 183, 423-461	2	21
72	Chiral extensions of the WZNW phase space, Poisson-Lie symmetries and groupoids. <i>Nuclear Physics B</i> , 2000 , 568, 503-542	2.8	21
71	A class of \mathfrak{g} -algebras with infinitely generated classical limit. <i>Nuclear Physics B</i> , 1994 , 420, 409-445	2.8	21
70	Dynamical $O(4)$ symmetry in the asymptotic field of the Prasad-Sommerfield monopole. <i>Journal of Physics A</i> , 1986 , 19, 1259-1270		20
69	Global Aspects of the WZNW Reduction to Toda Theories. <i>Progress of Theoretical Physics Supplement</i> , 1995 , 118, 173-190		18
68	Spin Calogero models obtained from dynamical r -matrices and geodesic motion. <i>Nuclear Physics B</i> , 2006 , 734, 304-325	2.8	15
67	Quantum jumps, geodesics, and the topological phase. <i>Physical Review D</i> , 1989 , 39, 3194-3196	4.9	15
66	NON-RELATIVISTIC SCATTERING OF A SPIN-1/2 PARTICLE OFF A SELF-DUAL MONOPOLE. <i>Modern Physics Letters A</i> , 1988 , 03, 1451-1460	1.3	15
65	Trigonometric Sutherland systems and their Ruijsenaars duals from symplectic reduction. <i>Journal of Mathematical Physics</i> , 2010 , 51, 103511	1.2	14
64	Poisson-Lie Generalization of the Kazhdan-Kostant-Sternberg Reduction. <i>Letters in Mathematical Physics</i> , 2009 , 87, 125-138	1.2	14
63	On dynamical r -matrices obtained from Dirac reduction and their generalizations to affine Lie algebras. <i>Journal of Physics A</i> , 2001 , 34, 7235-7248		13
62	Duality between the trigonometric BC_n Sutherland system and a completed rational Ruijsenaars-Schneider-van Diejen system. <i>Journal of Mathematical Physics</i> , 2014 , 55, 102704	1.2	12
61	Spin Calogero models associated with Riemannian symmetric spaces of negative curvature. <i>Nuclear Physics B</i> , 2006 , 751, 436-458	2.8	12
60	Stability Analysis of Some Integrable Euler Equations for $SO(n)$. <i>Journal of Nonlinear Mathematical Physics</i> , 2003 , 10, 304	0.9	12
59	The chiral WZNW phase space and its Poisson-Lie groupoid. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 463, 83-92	4.2	12
58	On the completeness of the set of classical W -algebras obtained from DS reductions-algebras obtained from DS reductions. <i>Communications in Mathematical Physics</i> , 1994 , 162, 399-431	2	12

57	Monopoles and instantons from Berry's phase. <i>Journal of Mathematical Physics</i> , 1989 , 30, 1727-1731	1.2	12
56	APPLICATIONS OF CHIRAL SUPERSYMMETRY FOR SPIN FIELDS IN SELF-DUAL BACKGROUNDS. <i>International Journal of Modern Physics A</i> , 1989 , 04, 5277-5285	1.2	11
55	The $O(3,1)$ symmetry problem of the charge-monopole interaction. <i>Journal of Mathematical Physics</i> , 1987 , 28, 234-239	1.2	11
54	New compact forms of the trigonometric Ruijsenaars-Schneider system. <i>Nuclear Physics B</i> , 2014 , 882, 97-127	2.8	10
53	DERIVATIONS OF THE TRIGONOMETRIC BC_n SUTHERLAND MODEL BY QUANTUM HAMILTONIAN REDUCTION. <i>Reviews in Mathematical Physics</i> , 2010 , 22, 699-732	1.2	10
52	The full phase space of a model in the Calogero-Ruijsenaars family. <i>Journal of Geometry and Physics</i> , 2017 , 115, 139-149	1.2	9
51	The action-angle dual of an integrable Hamiltonian system of Ruijsenaars-Schneider-van Diejen type. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017 , 50, 314004	2	9
50	Nonstandard Drinfeld-Sokolov reduction. <i>Journal of Physics A</i> , 1998 , 31, 5545-5563		9
49	Action-angle map and duality for the open Toda lattice in the perspective of Hamiltonian reduction. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013 , 377, 2917-2921	2.3	8
48	Regularization of Toda lattices by Hamiltonian reduction. <i>Journal of Geometry and Physics</i> , 1997 , 21, 97-135		8
47	AN EXPLICIT CONSTRUCTION OF WAKIMOTO REALIZATIONS OF CURRENT ALGEBRAS. <i>Modern Physics Letters A</i> , 1996 , 11, 1999-2011	1.3	8
46	Generalizations of Felder's elliptic dynamical r -matrices associated with twisted loop algebras of self-dual Lie algebras. <i>Nuclear Physics B</i> , 2002 , 621, 622-642	2.8	7
45	The vacuum preserving Lie algebra of a classical W -algebra. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 316, 275-281	4.2	7
44	On the superintegrability of the rational Ruijsenaars-Schneider model. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010 , 374, 1913-1916	2.3	6
43	Twisted spin Sutherland models from quantum Hamiltonian reduction. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008 , 41, 194009	2	6
42	Hamiltonian reductions of free particles under polar actions of compact Lie groups. <i>Theoretical and Mathematical Physics (Russian Federation)</i> , 2008 , 155, 646-658	0.7	6
41	A new quantum deformation of $SL(3)$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 257, 74-78	4.2	6
40	Bi-Hamiltonian structure of a dynamical system introduced by Braden and Hone. <i>Nonlinearity</i> , 2019 , 32, 4377-4394	1.7	5

39	On a Poisson-Lie Analogue of the Classical Dynamical Yang-Baxter Equation for Self-dual Lie Algebras. <i>Letters in Mathematical Physics</i> , 2002 , 62, 51-62	1.2	5
38	On the classical r-matrix of the degenerate Calogero-Moser models. <i>European Physical Journal D</i> , 2000 , 50, 59-64		5
37	The non-dynamical r-matrices of the degenerate Calogero-Moser models. <i>Journal of Physics A</i> , 2000 , 33, 7739-7759		5
36	Separating the dyon system. <i>Physical Review D</i> , 1989 , 40, 666-669	4.9	5
35	Poisson-Lie analogues of spin Sutherland models. <i>Nuclear Physics B</i> , 2019 , 949, 114807	2.8	5
34	Trigonometric and Elliptic Ruijsenaars-Schneider Systems on the Complex Projective Space. <i>Letters in Mathematical Physics</i> , 2016 , 106, 1429-1449	1.2	4
33	The chiral WZNW phase space as a quasi-Poisson space. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000 , 277, 107-114	2.3	4
32	Rational versus polynomial character of Wln-algebras. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 283, 243-251	4.2	4
31	On a Poisson-Lie deformation of the BC _n Sutherland system. <i>Nuclear Physics B</i> , 2015 , 901, 85-114	2.8	3
30	Spectra of the quantized action variables of the compactified Ruijsenaars-Schneider system. <i>Theoretical and Mathematical Physics (Russian Federation)</i> , 2012 , 171, 704-714	0.7	3
29	The non-Abelian momentum map for Poisson-Lie symmetries on the chiral WZNW phase space. <i>International Mathematics Research Notices</i> , 2004 , 2004, 2611	0.8	3
28	Explicit description of twisted Wakimoto realizations of affine Lie algebras. <i>Nuclear Physics B</i> , 2003 , 674, 509-532	2.8	3
27	Monopole scattering spectrum from geometric quantisation. <i>Journal of Physics A</i> , 1988 , 21, 2835-2837		3
26	Superintegrability of Rational Ruijsenaars-Schneider Systems and their Action-Angle Duals 2012 ,		3
25	Global Description of Action-Angle Duality for a Poisson-Lie Deformation of the Trigonometric (varvec{mathrm {BC}}_n) Sutherland System. <i>Annales Henri Poincare</i> , 2019 , 20, 1217-1262	1.2	2
24	Generalized spin Sutherland systems revisited. <i>Nuclear Physics B</i> , 2015 , 893, 236-256	2.8	2
23	Equivalence of two sets of Hamiltonians associated with the rational BC _n Ruijsenaars-Schneider-van Diejen system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015 , 379, 2685-2689	2.3	2
22	An integrable BC(n) Sutherland model with two types of particles. <i>Journal of Mathematical Physics</i> , 2011 , 52, 103506	1.2	2

21	On the self-adjointness of certain reduced laplace-beltrami operators. <i>Reports on Mathematical Physics</i> , 2008 , 61, 163-170	0.8	2
20	Poisson-Lie Dynamical r-matrices from Dirac Reduction. <i>European Physical Journal D</i> , 2004 , 54, 1265-1273		2
19	Adler-Kostant-Symes systems as Lagrangian gauge theories. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2002 , 301, 58-64	2.3	2
18	Classical Wakimoto realizations of chiral WZNW Bloch waves. <i>Journal of Physics A</i> , 2000 , 33, 945-956		2
17	A Note on the Appearance of Self-Dual Yang-Mills Fields in Integrable Hierarchies. <i>Journal of Nonlinear Mathematical Physics</i> , 2000 , 7, 423	0.9	2
16	A note on a canonical dynamical r-matrix. <i>Journal of Physics A</i> , 2001 , 34, 10949-10962		2
15	An Application of the Reduction Method to Sutherland type Many-body Systems 2013 , 109-117		2
14	A Note on the Gauss Decomposition of the Elliptic Cauchy Matrix. <i>Journal of Nonlinear Mathematical Physics</i> , 2011 , 18, 179	0.9	1
13	Dromion Perturbation for the Davey-Stewartson-1 Equations. <i>Journal of Nonlinear Mathematical Physics</i> , 2000 , 7, 411	0.9	1
12	On the lagrangian realization of the WZNW reductions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 294, 209-216	4.2	1
11	Conformal O(3,2) symmetry of the two-dimensional inverse square potential. <i>Journal of Physics A</i> , 1988 , 21, 375-378		1
10	Reduction of a bi-Hamiltonian hierarchy on $(T^*\mathrm{U}(n))$ to spin Ruijsenaars-Sutherland models. <i>Letters in Mathematical Physics</i> , 2020 , 110, 1057-1079	1.2	1
9	Trigonometric Real Form of the Spin RS Model of Krichever and Zabrodin. <i>Annales Henri Poincare</i> , 2021 , 22, 615-675	1.2	1
8	Bi-Hamiltonian Structure of Spin Sutherland Models: The Holomorphic Case. <i>Annales Henri Poincare</i> , 2021 , 22, 615-675	1.2	1
7	The Ruijsenaars Self-Duality Map as a Mapping Class Symplectomorphism. <i>Springer Proceedings in Mathematics and Statistics</i> , 2013 , 423-437	0.2	0
6	A decoupling property of some Poisson structures on $\mathrm{Mat}_n(\mathbb{C}) \times \mathrm{Mat}_d(\mathbb{C})$ supporting $\mathrm{GL}(n, \mathbb{C}) \times \mathrm{GL}(d, \mathbb{C})$ Poisson-Lie symmetry. <i>Journal of Mathematical Physics</i> , 2021 , 62, 033512	1.2	0
5	Extended matrix Gelfand - Dickey hierarchies: reduction to classical Lie algebras. <i>Journal of Physics A</i> , 1997 , 30, 5815-5824		
4	Wakimoto realizations of current and exchange algebras. <i>European Physical Journal D</i> , 1998 , 48, 1325-1330		

- 3 Dynamical r matrices and chiral WZNW phase space. *Physics of Atomic Nuclei*, **2002**, 65, 1023-1027 0.4
- 2 Dynamical r -matrices on the affinizations of arbitrary self-dual Lie algebras. *European Physical Journal D*, **2001**, 51, 1318-1324
- 1 A note on quadratic Poisson brackets on $\mathfrak{gl}(n, \mathbb{R})$ related to Toda lattices. *Letters in Mathematical Physics*, **2022**, 112, 1 1.2