Laszlo Feher

List of Publications by Year
in descending order

93 papers	**1,719** citations	304743 **22** h-index	315739 **38** g-index
94 all docs	**94** docs citations	**94** times ranked	**376** citing authors

#	Article	IF	Citations
1	Toda theory and W-algebra from a gauged WZNW point of view. Annals of Physics, 1990, 203, 76-136.	2.8	204
2	On Hamiltonian reductions of the Wess-Zumino-Novikov-Witten theories. Physics Reports, 1992, 222, 1-64.	25.6	142
3	Liouville and Toda theories as conformally reduced WZNW theories. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 227, 214-220.	4.1	136
4	COADJOINT ORBITS OF THE VIRASORO ALGEBRA AND THE GLOBAL LIOUVILLE EQUATION. International Journal of Modern Physics A, 1998, 13, 315-362.	1.5	65
5	O(4,2) dynamical symmetry of the Kaluza-Klein monopole. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 201, 481-486.	4.1	60
6	Dynamical symmetry of monopole scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 183, 182-186.	4.1	57
7	Classical r-matrix and exchange algebra in WZNW and Toda theories. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 244, 227-234.	4.1	53
8	Kac-Moody realization of -algebras. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 244, 435-441.	4.1	53
9	Generalized Drinfeld-Sokolov reductions and KdV type hierarchies. Communications in Mathematical Physics, 1993, 154, 181-214.	2.2	50
10	Generalized Toda theories and W-algebras associated with integral gradings. Annals of Physics, 1992, 213, 1-20.	2.8	37
11	Poisson-Lie Interpretation of Trigonometric Ruijsenaars Duality. Communications in Mathematical Physics, 2011, 301, 55-104.	2.2	36
12	A Class of Calogero Type Reductions of Free Motion on a Simple Lie Group. Letters in Mathematical Physics, 2007, 79, 263-277.	1.1	34
13	Regular conjugacy classes in the Weyl group and integrable hierarchies. Journal of Physics A, 1995, 28, 5843-5882.	1.6	32
14	Self-duality of the compactified Ruijsenaars–Schneider system from quasi-Hamiltonian reduction. Nuclear Physics B, 2012, 860, 464-515.	2.5	32
15	Inequivalent quantizations of the three-particle Calogero model constructed by separation of variables. Nuclear Physics B, 2005, 715, 713-757.	2.5	31
16	Wakimoto Realizations of Current Algebras: An Explicit Construction. Communications in Mathematical Physics, 1997, 189, 759-793.	2.2	29
17	On the duality between the hyperbolic Sutherland and the rational Ruijsenaars–Schneider models. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 185202.	2.1	28
18	Chiral extensions of the WZNW phase space, Poisson–Lie symmetries and groupoids. Nuclear Physics B, 2000, 568, 503-542.	2.5	26

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19	Kepler–type dynamical symmetries of long–range monopole interactions. Journal of Mathematical Physics, 1990, 31, 202-211.	1.1	25
20	Ghost systems: a vertex algebra point of view. Nuclear Physics B, 1998, 518, 669-688.	2.5	25
21	A class of -algebras with infinitely generated classical limit. Nuclear Physics B, 1994, 420, 409-445.	2.5	24
22	Dynamical O(4) symmetry in the asymptotic field of the Prasad-Sommerfield monopole. Journal of Physics A, 1986, 19, 1259-1270.	1.6	22
23	Extensions of the matrix Gelfand-Dickey hierarchy from generalized Drinfeld-Sokolov reduction. Communications in Mathematical Physics, 1997, 183, 423-461.	2.2	21
24	Global Aspects of the WZNW Reduction to Toda Theories. Progress of Theoretical Physics Supplement, 1995, 118, 173-190.	0.1	20
25	Spin Calogero models obtained from dynamical r-matrices and geodesic motion. Nuclear Physics B, 2006, 734, 304-325.	2.5	19
26	Quantum jumps, geodesics, and the topological phase. Physical Review D, 1989, 39, 3194-3196.	4.7	18
27	Trigonometric Sutherland systems and their Ruijsenaars duals from symplectic reduction. Journal of Mathematical Physics, 2010, 51, 103511.	1.1	18
28	On dynamical r-matrices obtained from Dirac reduction and their generalizations to affine Lie algebras. Journal of Physics A, 2001, 34, 7235-7248.	1.6	17
29	NON-RELATIVISTIC SCATTERING OF A SPIN-1/2 PARTICLE OFF A SELF-DUAL MONOPOLE. Modern Physics Letters A, 1988, 03, 1451-1460.	1.2	16
30	Spin Calogero models associated with Riemannian symmetric spaces of negative curvature. Nuclear Physics B, 2006, 751, 436-458.	2.5	16
31	Poisson–Lie Generalization of the Kazhdan–Kostant–Sternberg Reduction. Letters in Mathematical Physics, 2009, 87, 125-138.	1.1	16
32	The O(3,1) symmetry problem of the charge–monopole interaction. Journal of Mathematical Physics, 1987, 28, 234-239.	1.1	14
33	The chiral WZNW phase space and its Poisson-Lie groupoid. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 463, 83-92.	4.1	14
34	New compact forms of the trigonometric Ruijsenaars–Schneider system. Nuclear Physics B, 2014, 882, 97-127.	2.5	14
35	Poisson-Lie analogues of spin Sutherland models. Nuclear Physics B, 2019, 949, 114807.	2.5	14
36	On the completeness of the set of classical W-algebras obtained from DS reductions-algebras obtained from DS reductions. Communications in Mathematical Physics, 1994, 162, 399-431.	2.2	13

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37	Monopoles and instantons from Berry's phase. Journal of Mathematical Physics, 1989, 30, 1727-1731.	1.1	12
38	Stability Analysis of Some Integrable Euler Equations for SO(n). Journal of Nonlinear Mathematical Physics, 2003, 10, 304.	1.3	12
39	DERIVATIONS OF THE TRIGONOMETRIC BC_n SUTHERLAND MODEL BY QUANTUM HAMILTONIAN REDUCTION. Reviews in Mathematical Physics, 2010, 22, 699-732.	1.7	12
40	Duality between the trigonometric BC_n Sutherland system and a completed rational Ruijsenaars–Schneider–van Diejen system. Journal of Mathematical Physics, 2014, 55, 102704.	1.1	12
41	APPLICATIONS OF CHIRAL SUPERSYMMETRY FOR SPIN FIELDS IN SELF-DUAL BACKGROUNDS. International Journal of Modern Physics A, 1989, 04, 5277-5285.	1.5	11
42	The action–angle dual of an integrable Hamiltonian system of Ruijsenaars–Schneider–van Diejen type. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 314004.	2.1	11
43	AN EXPLICIT CONSTRUCTION OF WAKIMOTO REALIZATIONS OF CURRENT ALGEBRAS. Modern Physics Letters A, 1996, 11, 1999-2011.	1.2	10
44	Nonstandard Drinfeld-Sokolov reduction. Journal of Physics A, 1998, 31, 5545-5563.	1.6	10
45	Regularization of Toda lattices by Hamiltonian reduction. Journal of Geometry and Physics, 1997, 21, 97-135.	1.4	9
46	Generalizations of Felder's elliptic dynamical r-matrices associated with twisted loop algebras of self-dual Lie algebras. Nuclear Physics B, 2002, 621, 622-642.	2.5	9
47	Title is missing!. Letters in Mathematical Physics, 2002, 62, 51-62.	1.1	9
48	Hamiltonian reductions of free particles under polar actions of compact Lie groups. Theoretical and Mathematical Physics(Russian Federation), 2008, 155, 646-658.	0.9	9
49	Action-angle map and duality for the open Toda lattice in the perspective of Hamiltonian reduction. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 2917-2921.	2.1	9
50	The full phase space of a model in the Calogero–Ruijsenaars family. Journal of Geometry and Physics, 2017, 115, 139-149.	1.4	9
51	The vacuum preserving Lie algebra of a classical W-algebra. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 316, 275-281.	4.1	8
52	Twisted spin Sutherland models from quantum Hamiltonian reduction. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 194009.	2.1	8
53	On the superintegrability of the rational Ruijsenaars–Schneider model. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 1913-1916.	2.1	8
54	Separating the dyon system. Physical Review D, 1989, 40, 666-669.	4.7	7

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55	Trigonometric and Elliptic Ruijsenaarsâ€"Schneider Systems on the Complex Projective Space. Letters in Mathematical Physics, 2016, 106, 1429-1449.	1.1	7
56	A new quantum deformation of SL(3). Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 257, 74-78.	4.1	6
57	On the classical r-matrix of the degenerate Calogero-Moser models. European Physical Journal D, 2000, 50, 59-64.	0.4	6
58	The non-dynamical r-matrices of the degenerate Calogero-Moser models. Journal of Physics A, 2000, 33, 7739-7759.	1.6	6
59	Bi-Hamiltonian structure of a dynamical system introduced by Braden and Hone. Nonlinearity, 2019, 32, 4377-4394.	1.4	6
60	A note on a canonical dynamical r-matrix. Journal of Physics A, 2001, 34, 10949-10962.	1.6	5
61	The non-Abelian momentum map for Poisson-Lie symmetries on the chiral WZNW phase space. International Mathematics Research Notices, 2004, 2004, 2611.	1.0	5
62	Trigonometric Real Form of the Spin RS Model of Krichever and Zabrodin. Annales Henri Poincare, 2021, 22, 615-675.	1.7	5
63	Rational versus polynomial character of Wln-algebras. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 283, 243-251.	4.1	4
64	The chiral WZNW phase space as a quasi-Poisson space. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 277, 107-114.	2.1	4
65	Spectra of the quantized action variables of the compactified Ruijsenaars-Schneider system. Theoretical and Mathematical Physics(Russian Federation), 2012, 171, 704-714.	0.9	4
66	On a Poissonâ€"Lie deformation of the BC n Sutherland system. Nuclear Physics B, 2015, 901, 85-114.	2.5	4
67	Reduction of a bi-Hamiltonian hierarchy on $$T^*\mathrm{U}(n)$$ to spin Ruijsenaarsâ€"Sutherland models. Letters in Mathematical Physics, 2020, 110, 1057-1079.	1.1	4
68	Monopole scattering spectrum from geometric quantisation. Journal of Physics A, 1988, 21, 2835-2837.	1.6	3
69	Dromion Perturbation for the Davey-Stewartson-1 Equations. Journal of Nonlinear Mathematical Physics, 2000, 7, 411.	1.3	3
70	Adlerâ€"Kostantâ€"Symes systems as Lagrangian gauge theories. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 301, 58-64.	2.1	3
71	Explicit description of twisted Wakimoto realizations of affine Lie algebras. Nuclear Physics B, 2003, 674, 509-532.	2.5	3
72	On the self-adjointness of certain reduced laplace-beltrami operators. Reports on Mathematical Physics, 2008, 61, 163-170.	0.8	3

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73	Bi-Hamiltonian Structure of Spin Sutherland Models: The Holomorphic Case. Annales Henri Poincare, 2021, 22, 4063-4085.	1.7	3
74	Classical Wakimoto realizations of chiral WZNW Bloch waves. Journal of Physics A, 2000, 33, 945-956.	1.6	2
75	A Note on the Appearance of Self-Dual Yang-Mills Fields in Integrable Hierarchies. Journal of Nonlinear Mathematical Physics, 2000, 7, 423.	1.3	2
76	Poisson-Lie Dynamical r-matrices from Dirac Reduction. European Physical Journal D, 2004, 54, 1265-1273.	0.4	2
77	An integrableBC(n) Sutherland model with two types of particles. Journal of Mathematical Physics, 2011, 52, 103506.	1.1	2
78	Generalized spin Sutherland systems revisited. Nuclear Physics B, 2015, 893, 236-256.	2.5	2
79	Equivalence of two sets of Hamiltonians associated with the rational BC_n Ruijsenaars-Schneider-van Diejen system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 2685-2689.	2.1	2
80	Global Description of Action-Angle Duality for a Poisson–Lie Deformation of the Trigonometric $\varvec{\mathrm{BC}_n}$ BC n Sutherland System. Annales Henri Poincare, 2019, 20, 1217-1262.	1.7	2
81	An Application of the Reduction Method to Sutherland type Many-body Systems. , 2013, , 109-117.		2
82	Conformal O(3,2) symmetry of the two-dimensional inverse square potential. Journal of Physics A, 1988, 21, 375-378.	1.6	1
83	On the lagrangian realization of the WZNW reductions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 294, 209-216.	4.1	1
84	A Note on the Gauss Decomposition of the Elliptic Cauchy Matrix. Journal of Nonlinear Mathematical Physics, 2011, 18, 179.	1.3	1
85	A decoupling property of some Poisson structures on Matn×d(C)×Matd×n(C) supporting GL(n,C)×GL(d,C) Poisson–Lie symmetry. Journal of Mathematical Physics, 2021, 62, 033512.	1.1	1
86	The Ruijsenaars Self-Duality Map as a Mapping Class Symplectomorphism. Springer Proceedings in Mathematics and Statistics, 2013, , 423-437.	0.2	1
87	A note on quadratic Poisson brackets on $\mathrm{gl}(n,{\mathbb{R}})$ related to Toda lattices. Letters in Mathematical Physics, 2022, 112, 1.	1.1	1
88	Bi-Hamiltonian structure of Sutherland models coupled to two u(n)* -valued spins from Poisson reduction. Nonlinearity, 2022, 35, 2971-3003.	1.4	1
89	Extended matrix Gelfand - Dickey hierarchies: reduction to classical Lie algebras. Journal of Physics A, 1997, 30, 5815-5824.	1.6	0
90	Wakimoto realizations of current and exchange algebras. European Physical Journal D, 1998, 48, 1325-1330.	0.4	0

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91	Dynamicalr-matrices on the affinizations of arbitrary self-dual Lie algebras. European Physical Journal D, 2001, 51, 1318-1324.	0.4	0
92	Dynamical r matrices and chiral WZNW phase space. Physics of Atomic Nuclei, 2002, 65, 1023-1027.	0.4	0
93	Regular conjugacy classes in the Weyl group and integrable hierarchies. Journal of Physics A, 1996, 29, 1145-1145.	1.6	0