

# Andreas Fring

## List of Publications by Year in descending order

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102  
papers

1,966  
citations

218677

26  
h-index

330143

37  
g-index

103  
all docs

103  
docs citations

103  
times ranked

580  
citing authors

#	ARTICLE	IF	CITATIONS
1	Factorized scattering in the presence of reflecting boundaries. Nuclear Physics B, 1994, 421, 159-172.	2.5	93
2	Unitary quantum evolution for time-dependent quasi-Hermitian systems with nonobservable Hamiltonians. Physical Review A, 2016, 93, .	2.5	88
3	Minimal length in quantum mechanics and non-Hermitian Hamiltonian systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 4307-4310.	2.1	81
4	PT Symmetry. , 2019, , .		80
5	Non-Hermitian Swanson model with a time-dependent metric. Physical Review A, 2016, 94, .	2.5	59
6	Affine Toda field theory in the presence of reflecting boundaries. Nuclear Physics B, 1994, 419, 647-662.	2.5	55
7	A spin chain model with non-Hermitian interaction: the Ising quantum spin chain in an imaginary field. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 465211.	2.1	55
8	-symmetric deformations of the Korteweg-de Vries equation. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 4215-4224.	2.1	48
9	Non-Hermitian Hamiltonians with real eigenvalues coupled to electric fields: From the time-independent to the time-dependent quantum mechanical formulation. Laser Physics, 2007, 17, 424-437.	1.2	46
10	Exact analytical solutions for time-dependent Hermitian Hamiltonian systems from static unobservable non-Hermitian Hamiltonians. Physical Review A, 2017, 95, .	2.5	39
11	Integrable nonlocal Hirota equations. Journal of Mathematical Physics, 2019, 60, .	1.1	39
12	$\mathcal{PT}$ -symmetric non-commutative spaces with minimal volume uncertainty relations. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 385302.	2.1	38
13	Time-dependent $q$ -deformed coherent states for generalized uncertainty relations. Physical Review D, 2013, 87, .	4.7	38
14	Squeezed coherent states for noncommutative spaces with minimal length uncertainty relations. Physical Review D, 2012, 86, .	4.7	37
15	Quantum physics with non-Hermitian operators. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 440301.	2.1	37
16	Mending the broken $\mathcal{PT}$ -regime via an explicit time-dependent Dyson map. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 2318-2323.	2.1	37
17	Strings from position-dependent noncommutativity. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 345401.	2.1	33
18	Bohmian quantum trajectories from coherent states. Physical Review A, 2013, 88, .	2.5	33

#	ARTICLE	IF	CITATIONS
19	PT -symmetric deformations of integrable models. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120046.	3.4	33
20	Goldstone bosons in different PT-regimes of non-Hermitian scalar quantum field theories. Nuclear Physics B, 2020, 950, 114834.	2.5	32
21	Non-Hermitian Hamiltonians of Lie algebraic type. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 015203.	2.1	31
22	Isospectral Hamiltonians from Moyal products. European Physical Journal D, 2006, 56, 899-908.	0.4	28
23	mathcal {PT}-symmetry breaking in complex nonlinear wave equations and their deformations. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 325201.	2.1	28
24	On the absence of bound-state stabilization through short ultra-intense fields. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, 5651-5671.	1.5	27
25	A NOTE ON THE INTEGRABILITY OF NON-HERMITIAN EXTENSIONS OF CALOGEROâ€“MOSERâ€“SUTHERLAND MODELS. Modern Physics Letters A, 2006, 21, 691-699.	1.2	27
26	The quantum brachistochrone problem for non-Hermitian Hamiltonians. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 244002.	2.1	27
27	Noncommutative quantum mechanics in a time-dependent background. Physical Review D, 2014, 90, .	4.7	27
28	Eternal life of entropy in non-Hermitian quantum systems. Physical Review A, 2019, 100, .	2.5	26
29	From integrability to conductance, impurity systems. Nuclear Physics B, 2003, 649, 449-490.	2.5	25
30	Solvable two-dimensional time-dependent non-Hermitian quantum systems with infinite dimensional Hilbert space in the broken PT-regime. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 265301.	2.1	25
31	Metrics and isospectral partners for the most generic cubic {cal PT} -symmetric non-Hermitian Hamiltonian. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 244001.	2.1	24
32	Hermitian versus non-Hermitian representations for minimal length uncertainty relations. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 335304.	2.1	24
33	Nonclassicality versus entanglement in a noncommutative space. International Journal of Modern Physics B, 2017, 31, 1650248.	2.0	23
34	Pseudo-Hermitian approach to Goldstoneâ€™s theorem in non-Abelian non-Hermitian quantum field theories. Physical Review D, 2020, 101, .	4.7	23
35	BOUNDARY BOUND STATES IN AFFINE TODA FIELD THEORY. International Journal of Modern Physics A, 1995, 10, 739-751.	1.5	22
36	Non-self-adjoint model of a two-dimensional noncommutative space with an unbound metric. Physical Review A, 2013, 88, .	2.5	21

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37	Regularized degenerate multi-solitons. Journal of High Energy Physics, 2016, 2016, 1.	4.7	20
38	$\mathcal{PT}$ -symmetric deformations of Calogero models. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 194010.	2.1	19
39	Compactons versus solitons. Pramana - Journal of Physics, 2010, 74, 857-865.	1.8	18
40	Degenerate multi-solitons in the sine-Gordon equation. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 435201.	2.1	17
41	Time-dependent Darboux (supersymmetric) transformations for non-Hermitian quantum systems. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 115302.	2.1	17
42	't Hooft-Polyakov monopoles in non-Hermitian quantum field theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 807, 135583.	4.1	17
43	Asymptotic and scattering behaviour for degenerate multi-solitons in the Hirota equation. Physica D: Nonlinear Phenomena, 2019, 397, 17-24.	2.8	16
44	Complex solitons with real energies. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 365202.	2.1	15
45	Minimal areas from $q$ -deformed oscillator algebras. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 425202.	2.1	14
46	Time-delay and reality conditions for complex solitons. Journal of Mathematical Physics, 2017, 58, .	1.1	14
47	A Squeezed Review on Coherent States and Nonclassicality for Non-Hermitian Systems with Minimal Length. Springer Proceedings in Physics, 2018, , 209-242.	0.2	14
48	Spectrally equivalent time-dependent double wells and unstable anharmonic oscillators. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126530.	2.1	14
49	Exactly solvable time-dependent non-Hermitian quantum systems from point transformations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 410, 127548.	2.1	14
50	On the influence of pulse shapes on ionization probability. Journal of Physics B: Atomic, Molecular and Optical Physics, 1998, 31, 449-464.	1.5	13
51	Factorized Combinations of Virasoro Characters. Communications in Mathematical Physics, 2000, 209, 179-205.	2.2	13
52	Integrable scattering theories with unstable particles. European Physical Journal C, 2004, 35, 393-411.	3.9	12
53	$\mathcal{PT}$ -symmetric extensions of the supersymmetric Korteweg-de Vries equation. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 392004.	2.1	12
54	Antilinear deformations of Coxeter groups, an application to Calogero models. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 325201.	2.1	12

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55	Non-Hermitian systems of Euclidean Lie algebraic type with real energy spectra. <i>Annals of Physics</i> , 2014, 346, 28-41.	2.8	12
56	Metric versus observable operator representation, higher spin models. <i>European Physical Journal Plus</i> , 2018, 133, 1.	2.6	11
57	Time-dependent metric for the two-dimensional, non-Hermitian coupled oscillator. <i>Modern Physics Letters A</i> , 2020, 35, 2050041.	1.2	11
58	Time-independent approximations for time-dependent optical potentials. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	11
59	From real fields to complex Calogero particles. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009, 42, 425206.	2.1	10
60	Quasi-exactly solvable quantum systems with explicitly time-dependent Hamiltonians. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 158-163.	2.1	10
61	Complex BPS solitons with real energies from duality. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 455701.	2.1	10
62	BRAID RELATIONS IN AFFINE TODA FIELD THEORY. <i>International Journal of Modern Physics A</i> , 1996, 11, 1337-1352.	1.5	9
63	6th International Workshop on Pseudo-Hermitian Hamiltonians in Quantum Physics. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008, 41, 240301.	2.1	9
64	Integrable models from $\mathcal{PT}$ -symmetric deformations. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009, 42, 105206.	2.1	9
65	Special issue on quantum physics with non-Hermitian operators. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 010201.	2.1	9
66	E2-quasi-exact solvability for non-Hermitian models. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 145301.	2.1	9
67	Spontaneous $\mathcal{PT}$ -Symmetry Breaking for Systems of Noncommutative Euclidean Lie Algebraic Type. <i>International Journal of Theoretical Physics</i> , 2015, 54, 4027-4033.	1.2	9
68	Massive gauge particles versus Goldstone bosons in non-Hermitian non-Abelian gauge theory. <i>European Physical Journal Plus</i> , 2022, 137, .	2.6	9
69	Non-Hermitian multi-particle systems from complex root spaces. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 085203.	2.1	8
70	Nonlinear eigenvalue problems. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2014, 47, 235204.	2.1	8
71	Milne quantization for non-Hermitian systems. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 40FT01.	2.1	8
72	Existence criteria for stabilization from the scaling behaviour of ionization probabilities. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2000, 33, 1675-1685.	1.5	7

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73	G2-Calogero-Moser Lax operators from reduction. Journal of Nonlinear Mathematical Physics, 2006, 13, 467.	1.3	7
74	Nonlocal gauge equivalence: Hirota versus extended continuous Heisenberg and Landau-Lifschitz equation. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 195201.	2.1	7
75	Perturbative approach for strong and weakly coupled time-dependent for non-Hermitian quantum systems. Physica Scripta, 2021, 96, 045211.	2.5	7
76	Affine Toda field theories related to Coxeter groups of noncrystallographic type. Nuclear Physics B, 2005, 729, 361-386.	2.5	6
77	$\mathcal{PT}$ -symmetrically deformed shock waves. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 444010.	2.1	6
78	A new non-Hermitian E2-quasi-exactly solvable model. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 873-876.	2.1	6
79	From pseudo-bosons to pseudo-Hermiticity via multiple generalized Bogoliubov transformations. International Journal of Modern Physics B, 2017, 31, 1750085.	2.0	6
80	Quantum, noncommutative and MOND corrections to the entropic law of gravitation. International Journal of Modern Physics B, 2019, 33, 1950018.	2.0	6
81	Infinite series of time-dependent Dyson maps. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 485201.	2.1	6
82	Non-crystallographic reduction of generalized Calogero-Moser models. Journal of Physics A, 2006, 39, 1115-1131.	1.6	5
83	Particles versus fields in $\mathcal{PT}$ -symmetric systems. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 444010.	1.8	5
84	$\mathcal{PT}$ -Invariant Complex E 8 Root Spaces. International Journal of Theoretical Physics, 2011, 50, 974-981.	1.2	5
85	Complex BPS Skyrmions with real energy. Nuclear Physics B, 2021, 971, 115516.	2.5	5
86	Non-Hermitian gauge field theories and BPS limits. Journal of Physics: Conference Series, 2021, 2038, 012010.	0.4	5
87	Unstable particles versus resonances in impurity systems; conductance in quantum wires. Journal of Physics Condensed Matter, 2002, 14, L721-L728.	1.8	4
88	Exactly solvable potentials of Calogero type for q-deformed Coxeter groups. Journal of Physics A, 2004, 37, 10931-10949.	1.6	4
89	APPLICATIONS OF QUANTUM INTEGRABLE SYSTEMS. International Journal of Modern Physics A, 2004, 19, 92-116.	1.5	3
90	Chaos in the thermodynamic Bethe ansatz. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 334, 173-179.	2.1	3

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91	Supersymmetric integrable scattering theories with unstable particles. Journal of High Energy Physics, 2005, 2005, 030-030.	4.7	3
92	Multicomplex solitons. Journal of Nonlinear Mathematical Physics, 2019, 27, 17.	1.3	3
93	MUTUALLY LOCAL FIELDS FROM FORM FACTORS. International Journal of Modern Physics B, 2002, 16, 1915-1924.	2.0	2
94	Universal boundary reflection amplitudes. Nuclear Physics B, 2004, 682, 551-584.	2.5	2
95	On vacuum energies and renomalizability in integrable quantum field theories. Nuclear Physics B, 2004, 687, 303-322.	2.5	2
96	Time-dependent massless Dirac fermions in graphene. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 2704-2706.	2.1	2
97	n-Extended Lorentzian Kac-Moody algebras. Letters in Mathematical Physics, 2020, 110, 1689-1710.	1.1	2
98	Linearly stable and unstable complex soliton solutions with real energies in the Bullough-Dodd model. Nuclear Physics B, 2022, 979, 115783.	2.5	2
99	Infinite Dimensional Algebras and their Applications to Quantum Integrable Systems. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 190301.	2.1	1
100	Lorentzian Toda field theories. Reviews in Mathematical Physics, 2021, 33, 2150017.	1.7	1
101	A Unifying E2-Quasi Exactly Solvable Model. Springer Proceedings in Physics, 2016, , 235-248.	0.2	0
102	Stability in integrable nonlocal nonlinear equations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 435, 128060.	2.1	0