Andre Leclair

List of Publications by Year
in descending order

50	1,179	586496	425179
papers	citations	16	34
		h-index	g-index

50	50	50	438
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Riemann Hypothesis and Random Walks: The Zeta Case. Symmetry, 2021, 13, 2014.	1.1	4
2	Randomness of Möbius coefficients and Brownian motion: growth of the Mertens function and the Riemann hypothesis. Journal of Statistical Mechanics: Theory and Experiment, 2021, 2021, 113106.	0.9	3
3	Generalized Riemann hypothesis, time series and normal distributions. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 023203.	0.9	4
4	Some Riemann Hypotheses from random walks over primes. Communications in Contemporary Mathematics, 2018, 20, 1750085.	0.6	4
5	Generalized Riemann hypothesis and stochastic time series. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 063205.	0.9	5
6	Metastability of Bose and Fermi gases on the upper branch. Physical Review A, 2016, 94, .	1.0	0
7	Transcendental equations satisfied by the individual zeros of Riemann ζ, Dirichlet and modular L-functions. Communications in Number Theory and Physics, 2015, 9, 1-50.	0.3	8
8	Virial coefficients for trapped Bose and Fermi gases beyond the unitary limit: An S-matrix approach. Physical Review A, 2014, 90, .	1.0	4
9	Scrutinizing the cosmological constant problem and a possible resolution. Physical Review D, 2013, 87, .	1.6	14
10	AN ELECTROSTATIC DEPICTION OF THE VALIDITY OF THE RIEMANN HYPOTHESIS AND A FORMULA FOR THE NTH ZERO AT LARGE N. International Journal of Modern Physics A, 2013, 28, 1350151.	0.5	7
11	Holographic classification of topological insulators and its eightfold periodicity. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 435203.	0.7	4
12	Quantum Bose and Fermi gases with large negative scattering length in the two-body S-matrix approximation. Physical Review A, 2012, 86, .	1.0	4
13	Thermodynamics of the Two-Dimensional Hubbard Model Based on the Exact Two-Body S-Matrix. Brazilian Journal of Physics, 2012, 42, 28-40.	0.7	0
14	On the viscosity-to-entropy density ratio for unitary Bose and Fermi gases. New Journal of Physics, 2011, 13, 055015.	1.2	12
15	S-matrix approach to quantum gases in the unitary limit: I. The two-dimensional case. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P03025.	0.9	3
16	S-matrix approach to quantum gases in the unitary limit: II. The three-dimensional case. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P07001.	0.9	9
17	Critical point of the two-dimensional Bose gas: An S-matrix approach. Nuclear Physics B, 2010, 824, 415-435.	0.9	13
18	A model of a 2d non-Fermi liquid with SO(5) symmetry, AF order and a d-wave SC gap. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 025402.	0.7	3

#	Article	IF	Citations
19	Lorentz symmetric quantum field theory for symplectic fermions. Journal of Mathematical Physics, 2009, 50, .	0.5	5
20	INTERACTING BOSE AND FERMI GASES IN LOW DIMENSIONS AND THE RIEMANN HYPOTHESIS. International Journal of Modern Physics A, 2008, 23, 1371-1391.	0.5	7
21	Super spin-charge separation for classA,CandDdisorder. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 452002.	0.7	6
22	Quantum statistical mechanics of gases in terms of dynamical filling fractions and scattering amplitudes. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 9655-9673.	0.7	7
23	Semi-Lorentz invariance, unitarity, and critical exponents of symplectic fermion models. Journal of High Energy Physics, 2007, 2007, 027-027.	1.6	23
24	The elementary excitations of the exactly solvable Russian doll BCS model of superconductivity. Journal of Statistical Mechanics: Theory and Experiment, 2005, 2005, P05011.	0.9	10
25	Renormalization group limit cycles and field theories for ellipticS-matrices. Journal of Statistical Mechanics: Theory and Experiment, 2004, 2004, P08004.	0.9	7
26	Russian doll renormalization group and superconductivity. Physical Review B, 2004, 69, .	1.1	41
27	Log-periodic behavior of finite size effects in field theories with RG limit cycles. Nuclear Physics B, 2004, 700, 407-435.	0.9	27
28	Russian doll renormalization group and Kosterlitzâ€"Thouless flows. Nuclear Physics B, 2003, 675, 584-606.	0.9	33
29	A classification of 2D random Dirac fermions. Journal of Physics A, 2002, 35, 2555-2567.	1.6	47
30	Renormalization group for network models ofÂquantum Hall transitions. Nuclear Physics B, 2002, 628, 442-472.	0.9	9
31	Strongâ€"weak coupling duality in anisotropic current interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 512, 78-84.	1.5	22
32	Gauge invariance and the critical properties of quantum Hall plateau transitions. Physical Review B, 2000, 61, 10917-10928.	1.1	0
33	The exact S -matrix for an osp(2|2) disordered system. Nuclear Physics B, 2000, 578, 577-627.	0.9	31
34	A one-dimensional model for n-level atoms coupled to an electromagnetic field. Journal of Mathematical Physics, 1999, 40, 3723-3731.	0.5	2
35	Eigenstates of the Atomâ€"Field Interaction and the Binding of Light in Photonic Crystals. Annals of Physics, 1999, 271, 268-293.	1.0	11
36	Purely transmitting defect field theories. Nuclear Physics B, 1999, 538, 587-611.	0.9	70

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37	The Kondo model with a bulk mass term. Nuclear Physics B, 1999, 552, 643-676.	0.9	6
38	Scattering theory of oscillator defects in an optical fiber. Physical Review B, 1998, 58, 1872-1886.	1.1	14
39	QED for a fibrillar medium of two-level atoms. Physical Review A, 1997, 56, 782-795.	1.0	8
40	Particle-field duality and form factors from vertex operators. Communications in Mathematical Physics, 1995, 171, 531-546.	1.0	9
41	Quantum theory of self-induced transparency. Nuclear Physics B, 1995, 450, 753-767.	0.9	8
42	Affine lie algebras in massive field theory and form factors from vertex operators. Theoretical and Mathematical Physics(Russian Federation), 1994, 98, 297-305.	0.3	1
43	Differential equations for sine-Gordon correlation functions at the free fermion point. Nuclear Physics B, 1994, 426, 534-558.	0.9	51
44	Spectrum generating affine Lie algebras in massive field theory. Nuclear Physics B, 1994, 415, 734-777.	0.9	17
45	Quantum affine symmetry as generalized supersymmetry. Nuclear Physics B, 1993, 401, 413-454.	0.9	22
46	The quantum double in integrable quantum field theory. Nuclear Physics B, 1993, 399, 709-748.	0.9	53
47	Quantum group symmetries and non-local currents in 2D QFT. Communications in Mathematical Physics, 1991, 142, 99-138.	1.0	216
48	The fractional supersymmetric sine-Gordon models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 247, 309-316.	1.5	88
49	Residual quantum symmetries of the Restricted sine-Gordon theories. Nuclear Physics B, 1990, 340, 721-751.	0.9	114
50	Restricted sine-Gordon theory and the minimal conformal series. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 230, 103-107.	1.5	113