

Giuseppe Mussardo

List of Publications by Year in descending order

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117
papers

4,811
citations

101543

36
h-index

98798

67
g-index

118
all docs

118
docs citations

118
times ranked

1255
citing authors

#	ARTICLE	IF	CITATIONS
1	$\lim_{\alpha \rightarrow 0} S(\rho_{AB})$ limit of the entanglement entropy. Physical Review A, 2022, 105, .		
2	Confinement in the tricritical Ising model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 828, 137008.	4.1	8
3	Duality and form factors in the thermally deformed two-dimensional tricritical Ising model. SciPost Physics, 2022, 12, .	4.9	6
4	Approaching the self-dual point of the sinh-Gordon model. Journal of High Energy Physics, 2021, 2021, 1.	4.7	10
5	Spectra of Quasi-One-Dimensional Antiferromagnet E_{α} . Physical Review Letters, 2021, 127, 077201.	7.8	22
6	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.	2.3	3
7	Dynamics of one-dimensional quantum many-body systems in time-periodic linear potentials. Physical Review A, 2020, 102, .	2.5	2
8	Statistical Field Theory. , 2020, , .		49
9	Finite temperature off-diagonal long-range order for interacting bosons. Physical Review B, 2020, 102, .	3.2	6
10	Exact out-of-equilibrium steady states in the semiclassical limit of the interacting Bose gas. SciPost Physics, 2020, 9, .	4.9	12
11	Prime Suspects in a Quantum Ladder. Physical Review Letters, 2020, 125, 240603.	7.8	8
12	Integrable Floquet Hamiltonian for a Periodically Tilted 1D Gas. Physical Review Letters, 2019, 123, 130401.	7.8	9
13	Generalized Riemann hypothesis, time series and normal distributions. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 023203.	2.3	4
14	Deviations from off-diagonal long-range order in one-dimensional quantum systems. Europhysics Letters, 2018, 122, 50006.	2.0	14
15	Universal off-diagonal long-range-order behavior for a trapped Tonks-Girardeau gas. Physical Review A, 2018, 98, .	2.5	11
16	Generalized Riemann hypothesis and stochastic time series. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 063205.	2.3	5
17	Non relativistic limit of integrable QFT with fermionic excitations. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 234002.	2.1	12
18	The coprime quantum chain. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 033104.	2.3	2

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19	On truncated generalized Gibbs ensembles in the Ising field theory. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 013103.	2.3	26
20	Yangâ€“Lee zeros of the Yangâ€“Lee model. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 484003.	2.1	6
21	Non relativistic limit of integrable QFT and Liebâ€“Liniger models. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 123104.	2.3	19
22	Introduction to â€“Quantum Integrability in Out of Equilibrium Systemsâ€™. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 064001.	2.3	193
23	Equilibration properties of classical integrable field theories. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 064011.	2.3	59
24	Quench dynamics in two-dimensional integrable SUSY models. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 033115.	2.3	6
25	Bound states of Majorana fermions in semi-classical approximation. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P12003.	2.3	4
26	Generalized Gibbs ensembles for quantum field theories. Physical Review A, 2015, 91, .	2.5	120
27	Boundary state in an integrable quantum field theory out of equilibrium. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 734, 52-57.	4.1	53
28	Energyâ€“pressure relation for low-dimensional gases. Nuclear Physics B, 2014, 887, 216-245.	2.5	12
29	Truncated conformal space approach for 2D Landauâ€“Ginzburg theories. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P12010.	2.3	33
30	Infinite-Time Average of Local Fields in an Integrable Quantum Field Theory After a Quantum Quench. Physical Review Letters, 2013, 111, 100401.	7.8	107
31	Statistical mechanics of an ideal gas of non-Abelian anyons. Nuclear Physics B, 2013, 867, 950-976.	2.5	12
32	Statistical interparticle potential of an ideal gas of non-Abelian anyons. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 275001.	2.1	3
33	Zamolodchikovâ€“Faddeev algebra and quantum quenches in integrable field theories. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P02017.	2.3	81
34	Quench dynamics in randomly generated extended quantum models. Physical Review B, 2012, 85, .	3.2	75
35	Non-Perturbative Methods in (1+1) Dimensional Quantum Field Theory. Lecture Notes in Physics, 2012, , 333-368.	0.7	0
36	Integrability, non-integrability and confinement. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, P01002.	2.3	8

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37	Topological quantum gate construction by iterative pseudogroup hashing. <i>New Journal of Physics</i> , 2011, 13, 025023.	2.9	4
38	Local correlations in the super-Tonks-Girardeau gas. <i>Physical Review A</i> , 2011, 83, .	2.5	40
39	Boltzmann: The Genius of Disorder. <i>International Journal of Thermophysics</i> , 2010, 31, 1225-1233.	2.1	0
40	One-dimensional Lieb-Liniger Bose gas as nonrelativistic limit of the sinh-Gordon model. <i>Physical Review A</i> , 2010, 81, .	2.5	72
41	(3+1) massive Dirac fermions with ultracold atoms in frustrated cubic optical lattices. <i>Europhysics Letters</i> , 2010, 92, 50003.	2.0	32
42	Quantum quenches in integrable field theories. <i>New Journal of Physics</i> , 2010, 12, 055015.	2.9	211
43	Bethe ansatz matrix elements as non-relativistic limits of form factors of quantum field theory. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010, 2010, P05014.	2.3	18
44	Energy level distribution of perturbed conformal field theories. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010, 2010, P07013.	2.3	19
45	Long time dynamics following a quench in an integrable quantum spin chain: Local versus nonlocal operators and effective thermal behavior. <i>Physical Review B</i> , 2010, 82, .	3.2	118
46	Topological Quantum Hashing with the Icosahedral Group. <i>Physical Review Letters</i> , 2010, 104, 160502.	7.8	16
47	Expectation Values in the Lieb-Liniger Bose Gas. <i>Physical Review Letters</i> , 2009, 103, 210404.	7.8	76
48	Effective Thermal Dynamics Following a Quantum Quench in a Spin Chain. <i>Physical Review Letters</i> , 2009, 102, 127204.	7.8	183
49	Effective potentials and kink spectra in non-integrable perturbed conformal field theories. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009, 42, 304022.	2.1	13
50	Ultracold bosons with 3-body attractive interactions in an optical lattice. <i>European Physical Journal B</i> , 2009, 68, 417-426.	1.5	3
51	Kinks and Particles in Non-integrable Quantum Field Theories. , 2009, , 509-523.		1
52	Analytic properties of the free energy: the tricritical Ising model. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2008, 2008, P03010.	2.3	7
53	The particle spectrum of the tricritical Ising model with spin reversal symmetric perturbations. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2008, 2008, P09004.	2.3	13
54	One-dimensional Bose gases with N-body attractive interactions. <i>Physical Review A</i> , 2008, 77, .	2.5	19

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55	Kink confinement and supersymmetry. <i>Journal of High Energy Physics</i> , 2007, 2007, 003-003.	4.7	14
56	Neutral bound states in kink-like theories. <i>Nuclear Physics B</i> , 2007, 779, 101-154.	2.5	25
57	Kink scaling functions in 2D non-integrable quantum field theories. <i>Nuclear Physics B</i> , 2006, 736, 259-287.	2.5	16
58	Decay of particles above threshold in the Ising field theory with magnetic field. <i>Nuclear Physics B</i> , 2006, 737, 291-303.	2.5	54
59	Mass generation in perturbed massless integrable models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005, 617, 133-139.	4.1	13
60	Semiclassical energy levels of sine-Gordon model on a strip with Dirichlet boundary conditions. <i>Nuclear Physics B</i> , 2005, 705, 548-562.	2.5	12
61	Mass Spectrum of the Two-Dimensional $O(3)$ Sigma Model with $a\hat{T}$ Term. <i>Physical Review Letters</i> , 2004, 92, 021601.	7.8	41
62	CORRELATION FUNCTIONS OF DISORDER OPERATORS IN MASSIVE FREE THEORIES. <i>International Journal of Modern Physics A</i> , 2004, 19, 126-133.	1.5	2
63	Semiclassical particle spectrum of double sine-Gordon model. <i>Nuclear Physics B</i> , 2004, 687, 189-219.	2.5	40
64	Semiclassical scaling functions of sine-Gordon model. <i>Nuclear Physics B</i> , 2004, 699, 545-574.	2.5	21
65	Finite-volume form factors in semi-classical approximation. <i>Nuclear Physics B</i> , 2003, 670, 464-478.	2.5	28
66	Correlation functions of disorder operators in massive ghost theories. <i>Journal of Physics A</i> , 2003, 36, L1-L6.	1.6	4
67	Boundary quantum field theories with infinite resonance states. <i>Nuclear Physics B</i> , 2002, 621, 571-586.	2.5	10
68	On the fermion-boson correspondence for correlation functions of disorder operators. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002, 536, 169-176.	4.1	5
69	On the finite temperature formalism in integrable quantum field theories. <i>Journal of Physics A</i> , 2001, 34, 7399-7410.	1.6	23
70	Universal amplitude ratios of the renormalization group: Two-dimensional tricritical Ising model. <i>Physical Review E</i> , 2000, 63, 016103.	2.1	21
71	A quantum field theory with infinite resonance states. <i>Nuclear Physics B</i> , 2000, 567, 454-492.	2.5	17
72	Bosonic-type S -matrix, vacuum instability and CDD ambiguities. <i>Nuclear Physics B</i> , 2000, 578, 527-551.	2.5	40

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73	Universal Ratios in the 2D Tricritical Ising Model. Physical Review Letters, 2000, 85, 126-129.	7.8	11
74	FORM FACTORS IN OFF-CRITICAL SUPERCONFORMAL MODELS. International Journal of Modern Physics B, 1999, 13, 2961-2972.	2.0	5
75	Finite temperature correlation functions in integrable QFT. Nuclear Physics B, 1999, 552, 624-642.	2.5	123
76	Reflection scattering matrix of the Ising model in a random boundary magnetic field. Nuclear Physics B, 1998, 509, 615-636.	2.5	4
77	Integrability of coupled conformal field theories. Nuclear Physics B, 1998, 512, 523-542.	2.5	18
78	Non-integrable aspects of the multi-frequency sine-Gordon model. Nuclear Physics B, 1998, 516, 675-703.	2.5	140
79	Exact matrix elements in supersymmetric theories. Nuclear Physics B, 1998, 532, 529-566.	2.5	11
80	On the form factors of relevant operators and their cluster property. Journal of Physics A, 1997, 30, 2895-2913.	1.6	12
81	A non-perturbative approach to the random-bond Ising model. Journal of Physics A, 1997, 30, 8415-8426.	1.6	8
82	Ising Model in a Magnetic Field. NATO ASI Series Series B: Physics, 1997, , 227-236.	0.2	0
83	Non-integrable quantum field theories as perturbations of certain integrable models. Nuclear Physics B, 1996, 473, 469-508.	2.5	166
84	ON ISING CORRELATION FUNCTIONS WITH BOUNDARY MAGNETIC FIELD. International Journal of Modern Physics A, 1996, 11, 2765-2782.	1.5	28
85	FORM FACTORS AND CORRELATION FUNCTIONS OF THE STRESS-ENERGY TENSOR IN MASSIVE DEFORMATION OF THE MINIMAL MODELS $(E_n)_{1 \leq n \leq 2}$. International Journal of Modern Physics A, 1996, 11, 5327-5364.	1.5	22
86	Matrix Elements of Local Fields in Integrable QFT. , 1996, , 349-358.		0
87	Random bond Ising model and massless phase of the Gross-Neveu model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 351, 515-518.	4.1	11
88	Correlation functions along a massless flow. Physical Review D, 1995, 51, R6620-R6624.	4.7	47
89	Boundary energy and boundary states in integrable quantum field theories. Nuclear Physics B, 1995, 453, 581-618.	2.5	160
90	The spin-spin correlation function in the two-dimensional Ising model in a magnetic field at $T = T_c$. Nuclear Physics B, 1995, 455, 724-758.	2.5	135

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91	STRESS-ENERGY TENSOR AND ULTRAVIOLET BEHAVIOR IN MASSIVE INTEGRABLE QUANTUM FIELD THEORIES. International Journal of Modern Physics A, 1994, 09, 3307-3337.	1.5	39
92	Two-point correlation function in integrable QFT with anti-crossing symmetry. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 324, 40-44.	4.1	29
93	Statistical models with a line of defect. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 328, 123-129.	4.1	61
94	Scattering theory and correlation functions in statistical models with a line of defect. Nuclear Physics B, 1994, 432, 518-550.	2.5	99
95	Form factors of the elementary field in the Bullough-Dodd model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 307, 83-90.	4.1	32
96	On the operator content of the sinh-Gordon model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 311, 193-201.	4.1	139
97	Mapping between the sinh-Gordon and Ising models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 317, 573-580.	4.1	26
98	Form factors for integrable lagrangian field theories, the sinh-Gordon model. Nuclear Physics B, 1993, 393, 413-441.	2.5	140
99	Universal properties of self-avoiding walks from two-dimensional field theory. Nuclear Physics B, 1993, 410, 451-493.	2.5	77
100	ON THE S MATRIX OF THE SUBLEADING MAGNETIC DEFORMATION OF THE TRICRITICAL ISING MODEL IN TWO DIMENSIONS. International Journal of Modern Physics A, 1992, 07, 5281-5305.	1.5	15
101	INTEGRABLE DEFORMATIONS OF THE NONUNITARY MINIMAL CONFORMAL MODEL $\hat{a}_{3,5}$. International Journal of Modern Physics A, 1992, 07, 5027-5044.	1.5	9
102	Scattering matrices for $\hat{h}_{1,2}$ perturbed conformal minimal models in absence of kink states. Nuclear Physics B, 1992, 368, 591-610.	2.5	17
103	Exact critical exponent of fractal branched polymers. Physics Letters, Section A: General, Atomic and Solid State Physics, 1992, 172, 153-154.	2.1	0
104	The subleading magnetic deformation of the tricritical Ising model in two dimensions as RSOS restriction of the Izergin-Korepin model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 274, 367-373.	4.1	7
105	Off-critical statistical models: Factorized scattering theories and bootstrap program. Physics Reports, 1992, 218, 215-379.	25.6	158
106	The scaling region of the tricritical Ising model in two dimensions. Nuclear Physics B, 1991, 348, 591-618.	2.5	102
107	$\hat{h}_{1,2}$ deformation of the $2,2n+1$ conformal minimal models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 266, 363-369.	4.1	7
108	Hilbert space and structure constants of descendant fields in two-dimensional conformal theories. Computer Physics Communications, 1991, 66, 71-88.	7.5	23

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109	MASS FORMULAE IN TODA FIELD THEORIES. International Journal of Modern Physics A, 1991, 06, 1543-1565.	1.5	3
110	ELASTIC S-MATRICES IN (1 + 1) DIMENSIONS AND TODA FIELD THEORIES. International Journal of Modern Physics A, 1990, 05, 4581-4627.	1.5	91
111	Integrable systems away from critically: The Toda field theory and S-matrix of the tricritical Ising model. Nuclear Physics B, 1990, 330, 465-487.	2.5	143
112	Form factors of descendent operators in perturbed conformal field theories. Nuclear Physics B, 1990, 340, 387-402.	2.5	131
113	S-matrix of the Yang-Lee edge singularity in two dimensions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 225, 275-278.	4.1	159
114	Fusion rules, four-point functions and discrete symmetries of N = 2 superconformal models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 218, 191-199.	4.1	16
115	Fine structure of the supersymmetric operator product expansion algebras. Nuclear Physics B, 1988, 305, 69-108.	2.5	30
116	Ramond sector of the supersymmetric minimal models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 195, 397-406.	4.1	25
117	Correlation length of the vacuum condensate in lattice gauge theories. Zeitschrift für Physik C-Particles and Fields, 1984, 25, 173-177.	1.5	94