

Giuseppe Mussardo

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115
papers

4,159
citations

34
h-index

62
g-index

118
ext. papers

4,428
ext. citations

3.3
avg, IF

5.8
L-index

#	Paper	IF	Citations
115	Quantum quenches in integrable field theories. <i>New Journal of Physics</i> , 2010 , 12, 055015	2.9	197
114	Effective thermal dynamics following a quantum quench in a spin chain. <i>Physical Review Letters</i> , 2009 , 102, 127204	7.4	172
113	Off-critical statistical models: Factorized scattering theories and bootstrap program. <i>Physics Reports</i> , 1992 , 218, 215-379	27.7	145
112	Boundary energy and boundary states in integrable quantum field theories. <i>Nuclear Physics B</i> , 1995 , 453, 581-618	2.8	144
111	Non-integrable quantum field theories as perturbations of certain integrable models. <i>Nuclear Physics B</i> , 1996 , 473, 469-508	2.8	139
110	S-matrix of the Yang-Lee edge singularity in two dimensions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989 , 225, 275-278	4.2	134
109	Introduction to Quantum Integrability in Out of Equilibrium Systems \square <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016 , 2016, 064001	1.9	132
108	Integrable systems away from critically: The Toda field theory and S-matrix of the tricritical Ising model. <i>Nuclear Physics B</i> , 1990 , 330, 465-487	2.8	130
107	On the operator content of the sinh-Gordon model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 311, 193-201	4.2	126
106	Non-integrable aspects of the multi-frequency sine-Gordon model. <i>Nuclear Physics B</i> , 1998 , 516, 675-703	2.8	125
105	Form factors for integrable lagrangian field theories, the sinh-Gordon model. <i>Nuclear Physics B</i> , 1993 , 393, 413-441	2.8	124
104	The spin-spin correlation function in the two-dimensional Ising model in a magnetic field at $T = T_c$. <i>Nuclear Physics B</i> , 1995 , 455, 724-758	2.8	119
103	Form factors of descendent operators in perturbed conformal field theories. <i>Nuclear Physics B</i> , 1990 , 340, 387-402	2.8	118
102	Generalized Gibbs ensembles for quantum field theories. <i>Physical Review A</i> , 2015 , 91,	2.6	113
101	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,	3.3	111
100	Finite temperature correlation functions in integrable QFT. <i>Nuclear Physics B</i> , 1999 , 552, 624-642	2.8	108
99	Infinite-time average of local fields in an integrable quantum field theory after a quantum quench. <i>Physical Review Letters</i> , 2013 , 111, 100401	7.4	102

98	Scattering theory and correlation functions in statistical models with a line of defect. <i>Nuclear Physics B</i> , 1994 , 432, 518-550	2.8	92
97	Correlation length of the vacuum condensate in lattice gauge theories. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1984 , 25, 173-177		90
96	The scaling region of the tricritical Ising model in two dimensions. <i>Nuclear Physics B</i> , 1991 , 348, 591-618	2.8	85
95	ELASTIC S-MATRICES IN (1 + 1) DIMENSIONS AND TODA FIELD THEORIES. <i>International Journal of Modern Physics A</i> , 1990 , 05, 4581-4627	1.2	81
94	Zamolodchikov-Baddeev algebra and quantum quenches in integrable field theories. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2012 , 2012, P02017	1.9	78
93	Universal properties of self-avoiding walks from two-dimensional field theory. <i>Nuclear Physics B</i> , 1993 , 410, 451-493	2.8	69
92	Expectation values in the Lieb-Liniger Bose gas. <i>Physical Review Letters</i> , 2009 , 103, 210404	7.4	68
91	Quench dynamics in randomly generated extended quantum models. <i>Physical Review B</i> , 2012 , 85,	3.3	68
90	One-dimensional Lieb-Liniger Bose gas as nonrelativistic limit of the sinh-Gordon model. <i>Physical Review A</i> , 2010 , 81,	2.6	63
89	Statistical models with a line of defect. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 328, 123-129	4.2	56
88	Boundary state in an integrable quantum field theory out of equilibrium. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 734, 52-57	4.2	49
87	Equilibration properties of classical integrable field theories. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016 , 2016, 064011	1.9	48
86	Decay of particles above threshold in the Ising field theory with magnetic field. <i>Nuclear Physics B</i> , 2006 , 737, 291-303	2.8	45
85	Mass spectrum of the two-dimensional O(3) sigma model with a theta term. <i>Physical Review Letters</i> , 2004 , 92, 021601	7.4	40
84	Correlation functions along a massless flow. <i>Physical Review D</i> , 1995 , 51, R6620-R6624	4.9	39
83	STRESS-ENERGY TENSOR AND ULTRAVIOLET BEHAVIOR IN MASSIVE INTEGRABLE QUANTUM FIELD THEORIES. <i>International Journal of Modern Physics A</i> , 1994 , 09, 3307-3337	1.2	38
82	Semiclassical particle spectrum of double sine-Gordon model. <i>Nuclear Physics B</i> , 2004 , 687, 189-219	2.8	35
81	Local correlations in the super-Tonks-Girardeau gas. <i>Physical Review A</i> , 2011 , 83,	2.6	33

80	Bosonic-type S -matrix, vacuum instability and CDD ambiguities. <i>Nuclear Physics B</i> , 2000 , 578, 527-551	2.8	31
79	Form factors of the elementary field in the Bullough-Dodd model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 307, 83-90	4.2	29
78	(3+1) massive Dirac fermions with ultracold atoms in frustrated cubic optical lattices. <i>Europhysics Letters</i> , 2010 , 92, 50003	1.6	28
77	Two-point correlation function in integrable QFT with anti-crossing symmetry. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 324, 40-44	4.2	28
76	Finite-volume form factors in semi-classical approximation. <i>Nuclear Physics B</i> , 2003 , 670, 464-478	2.8	27
75	ON ISING CORRELATION FUNCTIONS WITH BOUNDARY MAGNETIC FIELD. <i>International Journal of Modern Physics A</i> , 1996 , 11, 2765-2782	1.2	26
74	Truncated conformal space approach for 2D Landau-Ginzburg theories. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2014 , 2014, P12010	1.9	25
73	Neutral bound states in kink-like theories. <i>Nuclear Physics B</i> , 2007 , 779, 101-154	2.8	25
72	Fine structure of the supersymmetric operator product expansion algebras. <i>Nuclear Physics B</i> , 1988 , 305, 69-108	2.8	25
71	On the finite temperature formalism in integrable quantum field theories. <i>Journal of Physics A</i> , 2001 , 34, 7399-7410		23
70	Mapping between the sinh-Gordon and Ising models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 317, 573-580	4.2	23
69	Ramond sector of the supersymmetric minimal models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987 , 195, 397-406	4.2	23
68	On truncated generalized Gibbs ensembles in the Ising field theory. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2017 , 2017, 013103	1.9	22
67	FORM FACTORS AND CORRELATION FUNCTIONS OF THE STRESS-ENERGY TENSOR IN MASSIVE DEFORMATION OF THE MINIMAL MODELS (En) ¹ ? (En) ¹ /(En) ² . <i>International Journal of Modern Physics A</i> , 1996 , 11, 5327-5364	1.2	19
66	Hilbert space and structure constants of descendant fields in two-dimensional conformal theories. <i>Computer Physics Communications</i> , 1991 , 66, 71-88	4.2	19
65	Statistical Field Theory 2020 ,		19
64	One-dimensional Bose gases with N-body attractive interactions. <i>Physical Review A</i> , 2008 , 77,	2.6	18
63	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	1.9	17

62	Semiclassical scaling functions of sine-Gordon model. <i>Nuclear Physics B</i> , 2004 , 699, 545-574	2.8	17
61	Kink scaling functions in 2D non-integrable quantum field theories. <i>Nuclear Physics B</i> , 2006 , 736, 259-287	2.8	16
60	Integrability of coupled conformal field theories. <i>Nuclear Physics B</i> , 1998 , 512, 523-542	2.8	15
59	Universal amplitude ratios of the renormalization group: two-dimensional tricritical Ising model. <i>Physical Review E</i> , 2001 , 63, 016103	2.4	15
58	A quantum field theory with infinite resonance states. <i>Nuclear Physics B</i> , 2000 , 567, 454-492	2.8	15
57	Scattering matrices for $\bar{1},2$ perturbed conformal minimal models in absence of kink states. <i>Nuclear Physics B</i> , 1992 , 368, 591-610	2.8	15
56	Non relativistic limit of integrable QFT and Lieb-Liniger models. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016 , 2016, 123104	1.9	15
55	Energy level distribution of perturbed conformal field theories. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010 , 2010, P07013	1.9	14
54	Fusion rules, four-point functions and discrete symmetries of $N = 2$ superconformal models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989 , 218, 191-199	4.2	14
53	Topological quantum hashing with the icosahedral group. <i>Physical Review Letters</i> , 2010 , 104, 160502	7.4	13
52	Mass generation in perturbed massless integrable models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 617, 133-139	4.2	13
51	Kink confinement and supersymmetry. <i>Journal of High Energy Physics</i> , 2007 , 2007, 003-003	5.4	12
50	ON THE S MATRIX OF THE SUBLEADING MAGNETIC DEFORMATION OF THE TRICRITICAL ISING MODEL IN TWO DIMENSIONS. <i>International Journal of Modern Physics A</i> , 1992 , 07, 5281-5305	1.2	12
49	Random bond Ising model and massless phase of the Gross-Neveu model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 351, 515-518	4.2	11
48	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	10
47	On the form factors of relevant operators and their cluster property. <i>Journal of Physics A</i> , 1997 , 30, 2895-2913	2.8	10
46	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	1.9	10
45	Semiclassical energy levels of sine-Gordon model on a strip with Dirichlet boundary conditions. <i>Nuclear Physics B</i> , 2005 , 705, 548-562	2.8	10

44	Boundary quantum field theories with infinite resonance states. <i>Nuclear Physics B</i> , 2002 , 621, 571-586	2.8	10
43	Exact matrix elements in supersymmetric theories. <i>Nuclear Physics B</i> , 1998 , 532, 529-566	2.8	9
42	Deviations from off-diagonal long-range order in one-dimensional quantum systems. <i>Europhysics Letters</i> , 2018 , 122, 50006	1.6	9
41	Non relativistic limit of integrable QFT with fermionic excitations. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017 , 50, 234002	2	8
40	Energy-pressure relation for low-dimensional gases. <i>Nuclear Physics B</i> , 2014 , 887, 216-245	2.8	8
39	Statistical mechanics of an ideal gas of non-Abelian anyons. <i>Nuclear Physics B</i> , 2013 , 867, 950-976	2.8	8
38	A non-perturbative approach to the random-bond Ising model. <i>Journal of Physics A</i> , 1997 , 30, 8415-8426		8
37	Integrable Floquet Hamiltonian for a Periodically Tilted 1D Gas. <i>Physical Review Letters</i> , 2019 , 123, 130401	4.1	7
36	Analytic properties of the free energy: the tricritical Ising model. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2008 , 2008, P03010	1.9	7
35	Universal ratios in the 2D tricritical Ising model. <i>Physical Review Letters</i> , 2000 , 85, 126-9	7.4	7
34	Exact out-of-equilibrium steady states in the semiclassical limit of the interacting Bose gas. <i>SciPost Physics</i> , 2020 , 9,	6.1	7
33	Universal off-diagonal long-range-order behavior for a trapped Tonks-Girardeau gas. <i>Physical Review A</i> , 2018 , 98,	2.6	7
32	Quench dynamics in two-dimensional integrable SUSY models. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016 , 2016, 033115	1.9	6
31	INTEGRABLE DEFORMATIONS OF THE NONUNITARY MINIMAL CONFORMAL MODEL M3,5. <i>International Journal of Modern Physics A</i> , 1992 , 07, 5027-5044	1.2	6
30	The subleading magnetic deformation of the tricritical Ising model in two dimensions as RSOS restriction of the Izergin-Korepin model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 274, 367-373	4.2	6
29	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	4.2	5
28	$q, 2$ deformation of the $2, 2n+1$ conformal minimal models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 266, 363-369	4.2	5
27	Generalized Riemann hypothesis and stochastic time series. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2018 , 2018, 063205	1.9	4

26	Bound states of Majorana fermions in semi-classical approximation. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015 , 2015, P12003	1.9	4
25	Integrability, non-integrability and confinement. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011 , 2011, P01002	1.9	4
24	Topological quantum gate construction by iterative pseudogroup hashing. <i>New Journal of Physics</i> , 2011 , 13, 025023	2.9	4
23	Correlation functions of disorder operators in massive ghost theories. <i>Journal of Physics A</i> , 2003 , 36, L1-L6		4
22	FORM FACTORS IN OFF-CRITICAL SUPERCONFORMAL MODELS. <i>International Journal of Modern Physics B</i> , 1999 , 13, 2961-2972	1.1	4
21	Ultracold bosons with 3-body attractive interactions in an optical lattice. <i>European Physical Journal B</i> , 2009 , 68, 417-426	1.2	3
20	Reflection scattering matrix of the Ising model in a random boundary magnetic field. <i>Nuclear Physics B</i> , 1998 , 509, 615-636	2.8	3
19	MASS FORMULAE IN TODA FIELD THEORIES. <i>International Journal of Modern Physics A</i> , 1991 , 06, 1543-1565		3
18	Prime Suspects in a Quantum Ladder. <i>Physical Review Letters</i> , 2020 , 125, 240603	7.4	3
17	Approaching the self-dual point of the sinh-Gordon model. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	3
16	$E_{\{8\}}$ Spectra of Quasi-One-Dimensional Antiferromagnet $\text{BaCo}_{\{2\}}\text{V}_{\{2\}}\text{O}_{\{8\}}$ under Transverse Field. <i>Physical Review Letters</i> , 2021 , 127, 077201	7.4	3
15	The coprime quantum chain. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2017 , 2017, 033104	1.9	2
14	Generalized Riemann hypothesis, time series and normal distributions. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019 , 2019, 023203	1.9	2
13	Statistical interparticle potential of an ideal gas of non-Abelian anyons. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013 , 46, 275001	2	2
12	CORRELATION FUNCTIONS OF DISORDER OPERATORS IN MASSIVE FREE THEORIES. <i>International Journal of Modern Physics A</i> , 2004 , 19, 126-133	1.2	2
11	Yang-Lee zeros of the Yang-Lee model. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017 , 50, 484003	2	1
10	Randomness of Möbius coefficients and Brownian motion: growth of the Mertens function and the Riemann hypothesis. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2021 , 2021, 113106	1.9	1
9	Kinks and Particles in Non-integrable Quantum Field Theories 2009 , 509-523		1

- 8 Dynamics of one-dimensional quantum many-body systems in time-periodic linear potentials. *Physical Review A*, **2020**, 102, 2.6 1
- 7 Confinement in the tricritical Ising model. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2022**, 828, 137008 4.2 0
- 6 Non-Perturbative Methods in (1+1) Dimensional Quantum Field Theory. *Lecture Notes in Physics*, **2012**, 333-368 0.8
- 5 Boltzmann: The Genius of Disorder. *International Journal of Thermophysics*, **2010**, 31, 1225-1233 2.1
- 4 Exact critical exponent of fractal branched polymers. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1992**, 172, 153-154 2.3
- 3 Correlation Functions in 2-Dimensional Integrable Quantum Field Theories. *NATO ASI Series Series B: Physics*, **1993**, 173-186
- 2 Matrix Elements of Local Fields in Integrable QFT **1996**, 349-358
- 1 Ising Model in a Magnetic Field. *NATO ASI Series Series B: Physics*, **1997**, 227-236