

Roberto Tateo

List of Publications by Year in descending order

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66
papers

3,299
citations

201674

27
h-index

138484

58
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68
all docs

68
docs citations

68
times ranked

763
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectral equivalences, Bethe ansatz equations, and reality properties in \mathbb{Z} -symmetric quantum mechanics. Journal of Physics A, 2001, 34, 5679-5704.	1.6	448
2	\mathbb{Z} -deformed 2D quantum field theories. Journal of High Energy Physics, 2016, 2016, 1.	4.7	276
3	Supersymmetry and the spontaneous breakdown of \mathbb{Z} symmetry. Journal of Physics A, 2001, 34, L391-L400.	1.6	241
4	Excited states by analytic continuation of TBA equations. Nuclear Physics B, 1996, 482, 639-659.	2.5	217
5	The ODE/IM correspondence. Journal of Physics A: Mathematical and Theoretical, 2007, 40, R205-R283.	2.1	193
6	Anharmonic oscillators, the thermodynamic Bethe ansatz and nonlinear integral equations. Journal of Physics A, 1999, 32, L419-L425.	1.6	145
7	A thermodynamic Bethe ansatz for planar AdS/CFT: a proposal. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 375401.	2.1	131
8	DYNKIN TBA $\hat{\mathfrak{tms}}$. International Journal of Modern Physics A, 1993, 08, 1707-1727.	1.5	102
9	The \mathbb{Z} perturbation and its geometric interpretation. Journal of High Energy Physics, 2019, 2019, 1.	4.7	97
10	TBA and TCSA with boundaries and excited states. Nuclear Physics B, 1998, 525, 641-663.	2.5	87
11	Quantisation of the effective string with TBA. Journal of High Energy Physics, 2013, 2013, 1.	4.7	85
12	Extended Y-system for the AdS5/CFT4 correspondence. Nuclear Physics B, 2011, 843, 302-343.	2.5	83
13	Generalised Born-Infeld models, Lax operators and the \mathbb{Z} perturbation. Journal of High Energy Physics, 2018, 2018, 1.	4.7	78
14	On the relation between Stokes multipliers and the T-Q systems of conformal field theory. Nuclear Physics B, 1999, 563, 573-602.	2.5	74
15	τ -function flow in perturbed boundary conformal field theories. Nuclear Physics B, 2000, 578, 85-122.	2.5	74
16	Quantum Spectral Curve of the \mathbb{Z} Chern-Simons Theory. Physical Review Letters, 2014, 113, 021601.	7.8	68
17	Excited states in some simple perturbed conformal field theories. Nuclear Physics B, 1998, 515, 575-623.	2.5	65
18	TBA and Y-system for planar AdS/CFT3. Nuclear Physics B, 2010, 834, 543-561.	2.5	59

#	ARTICLE	IF	CITATIONS
19	Pseudo-differential equations, and the Bethe ansatz for the classical Lie algebras. Nuclear Physics B, 2007, 772, 249-289.	2.5	48
20	Conserved currents and $\overline{\mathrm{T}}$ irrelevant deformations of 2D integrable field theories. Journal of High Energy Physics, 2019, 2019, 1.	4.7	48
21	Differential equations for general $SU(n)$ Bethe ansatz systems. Journal of Physics A, 2000, 33, 8427-8441.	1.6	45
22	Integrable quantum field theory with boundaries: the exact g-function. Nuclear Physics B, 2004, 696, 445-467.	2.5	43
23	Differential equations and integrable models: the $SU(3)$ case. Nuclear Physics B, 2000, 571, 583-606.	2.5	37
24	The full Quantum Spectral Curve for AdS_4/CFT_3 . Journal of High Energy Physics, 2017, 2017, 1.	4.7	35
25	One-point functions in perturbed boundary conformal field theories. Nuclear Physics B, 2001, 594, 625-659.	2.5	34
26	Generalisations of the Coleman-Thun mechanism and boundary reflection factors. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 448, 249-256.	4.1	32
27	Beyond the WKB approximation in τ -symmetric quantum mechanics. Journal of Physics A, 2005, 38, 1305-1331.	1.6	28
28	ADE functional dilogarithm identities and integrable models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 348, 84-88.	4.1	24
29	Massive and massless phases in self-dual spin models: Some exact results from the thermodynamic Bethe ansatz. Nuclear Physics B, 1996, 470, 317-368.	2.5	24
30	The Bethe ansatz and the Tzitzica-Bullough-Dodd equation. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120052.	3.4	23
31	A Reality Proof in PT -Symmetric Quantum Mechanics. European Physical Journal D, 2004, 54, 35-41.	0.4	21
32	Reflection factors and exact g-functions for purely elastic scattering theories. Nuclear Physics B, 2006, 744, 239-276.	2.5	21
33	12 loops and triple wrapping in ABJM theory from integrability. Journal of High Energy Physics, 2015, 2015, 1.	4.7	21
34	THE SINE-GORDON MODEL AS $\mathcal{SO}(2n)_1$ imes $\mathcal{SO}(2n)_1$ over $\mathcal{SO}(2n)_2$ -PERTURBED COSET THEORY AND GENERALIZATIONS. International Journal of Modern Physics A, 1995, 10, 1357-1376.	1.5	19
35	New families of flows between two-dimensional conformal field theories. Nuclear Physics B, 2000, 578, 699-727.	2.5	19
36	New functional dilogarithm identities and sine-Gordon Y-systems. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 355, 157-164.	4.1	18

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37	INTEGRABLE PERTURBATIONS OF CFT WITH COMPLEX PARAMETER: THE M3/5 MODEL AND ITS GENERALIZATIONS. <i>International Journal of Modern Physics A</i> , 1996, 11, 677-697.	1.5	17
38	Universal amplitude ratios in the 2D four-state Potts model. <i>Nuclear Physics B</i> , 1999, 562, 549-566.	2.5	17
39	Finite lattice Bethe ansatz systems and the Heun equation. <i>Journal of Physics A</i> , 2004, 37, 2047-2061.	1.6	16
40	From \mathcal{M} to \mathcal{M}^* : Integrable perturbations of the Heun equation. <i>Journal of Physics A</i> , 2004, 37, 2047-2061.	1.8	16
41	Exploring the spectrum of planar AdS_4/CFT_3 at finite coupling. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	15
42	A Riemann-Hilbert formulation for the finite temperature Hubbard model. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	14
43	Geometric aspects of the ODE/IM correspondence. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 223001.	2.1	14
44	Integrable aspects of the scaling q-state Potts models I: finite-size effects. <i>Nuclear Physics B</i> , 2003, 661, 464-513.	2.5	13
45	Discontinuity relations for the AdS_4/CFT_3 correspondence. <i>Nuclear Physics B</i> , 2013, 877, 852-884.	2.5	13
46	Integrable aspects of the scaling q-state Potts models I: bound states and bootstrap closure. <i>Nuclear Physics B</i> , 2003, 661, 425-463.	2.5	12
47	\mathcal{PT} symmetry breaking and exceptional points for a class of inhomogeneous complex potentials. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009, 42, 465302.	2.1	11
48	Exact g-function flow between conformal field theories. <i>Nuclear Physics B</i> , 2010, 834, 485-501.	2.5	11
49	\mathcal{T} -deformed nonlinear Schrödinger. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	11
50	Exact g-function flows from the staircase model. <i>Nuclear Physics B</i> , 2011, 843, 724-752.	2.5	8
51	A new family of diagonal ADE-related scattering theories. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992, 293, 361-366.	4.1	6
52	On the phase diagram of the discrete Z_6 spin models. <i>Journal of Physics A</i> , 1999, 32, L151-L158.	1.6	4
53	On the ODE/IM correspondence for minimal models. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008, 41, 132001.	2.1	3
54	Dilogarithm Identities for Sine-Gordon and Reduced Sine-Gordon Y-Systems. <i>Symmetry, Integrability and Geometry: Methods and Applications (SIGMA)</i> , 2010, , .	0.5	3

#	ARTICLE	IF	CITATIONS
55	Thermodynamic Bethe ansatz for the All ĩf-models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 573, 239-247.	4.1	2
56	ORDINARY DIFFERENTIAL EQUATIONS AND INTEGRABLE QUANTUM FIELD THEORIES. , 2001, , .		2
57	Quasi-exact solvability, resonances and trivial monodromy in ordinary differential equations. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 444013.	2.1	1
58	Exact results for the low energy AdS 4 Ā– \$ mathbb{C}mathbb{P} \$ 3 string theory. Journal of High Energy Physics, 2013, 2013, 1.	4.7	1
59	Geometry of random potentials: Induction of two-dimensional gravity in quantum Hall plateau transitions. Physical Review B, 2021, 103, .	3.2	1
60	ABCD and ODEs. , 2009, , 685-695.		1
61	The ODE/IM Correspondence and PT-Symmetric Quantum Mechanics. , 2002, , 13-23.		1
62	Differential equations and integrable models. , 2000, , .		1
63	Finite size effects in perturbed boundary conformal field theories. , 2000, , .		0
64	THE ODE/IM CORRESPONDENCE. , 2001, , .		0
65	Differential equations and the Bethe ansatz. , 2006, , .		0
66	Recent progress in the effective string theory description of LGTs.. , 2014, , .		0