Atsuo Kuniba

List of Publications by Year
in descending order

45 papers	744 citations	516710 16 h-index	552781 26 g-index
45 all docs	45 docs citations	45 times ranked	203 citing authors

#	Article	IF	Citations
1	*T*-systems and *Y*-systems in integrable systems. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 103001.	2.1	124
2	Local state probabilities for solvable restricted solid-on-solid models:A n,D n,D n (1) , andA n (1). Journal of Statistical Physics, 1988, 52, 829-883.	1.2	46
3	Integrable structure of box–ball systems: crystal, Bethe ansatz, ultradiscretization and tropical geometry. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 073001.	2.1	46
4	Exactly Solvable IRF Models. I. A Three-State Model. Journal of the Physical Society of Japan, 1986, 55, 1092-1101.	1.6	43
5	Crystal interpretation of Kerov–Kirillov–Reshetikhin bijection. Nuclear Physics B, 2006, 740, 299-327.	2.5	36
6	Periodicities of T-systems and Y-systems. Nagoya Mathematical Journal, 2010, 197, 59-174.	0.8	36
7	Virasoro Algebra, von Neumann Algebra and Critical Eight-Vertex SOS Models. Journal of the Physical Society of Japan, 1986, 55, 3285-3288.	1.6	32
8	Exactly Solvable IRF Models. II.SN-Generalizations. Journal of the Physical Society of Japan, 1986, 55, 1466-1474.	1.6	28
9	The Canonical Solutions of the Q -Systems¶ and the Kirillov-Reshetikhin Conjecture. Communications in Mathematical Physics, 2002, 227, 155-190.	2.2	25
10	The Quantum Nonlinear Schrödinger Model; Gelfand-Levitan Equation and Classical Soliton. Journal of the Physical Society of Japan, 1985, 54, 1710-1723.	1.6	23
11	Exactly Solvable IRF Models. III. A New Hierarchy of Solvable Models. Journal of the Physical Society of Japan, 1986, 55, 1880-1886.	1.6	21
12	Tetrahedron and 3D reflection equations from quantized algebra of functions. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 465206.	2.1	21
13	Demazure Modules and Perfect Crystals. Communications in Mathematical Physics, 1998, 192, 555-567.	2.2	19
14	Tetrahedron Equation and Quantum R Matrices for Spin Representations of $B^{(1)}_n$ B n (1) , $D^{(1)}_n$ D n (1) and $D^{(2)}_{n+1}$ D n + 1 (2). Communications in Mathematical Physics, 2013, 324, 695-713.	2.2	19
15	Multispecies TASEP and the tetrahedron equation. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 114001.	2.1	19
16	Exactly Solvable IRF Models. V. A Further New Hierarchy. Journal of the Physical Society of Japan, 1986, 55, 2605-2617.	1.6	17
17	Box-Ball System with Reflecting End. Journal of Nonlinear Mathematical Physics, 2005, 12, 475.	1.3	16
18	Generalized hydrodynamics in box-ball system. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 404001.	2.1	15

#	Article	IF	Citations
19	Exactly Solvable IRF Models. IV. Generalized Rogers-Remanujan Identities and a Solvable Hierarchy. Journal of the Physical Society of Japan, 1986, 55, 2166-2176.	1.6	13
20	Inhomogeneous Eight-Vertex SOS Model and Solvable IRF Hierarchies. Journal of the Physical Society of Japan, 1986, 55, 2907-2910.	1.6	13
21	Factorization of Combinatorial R Matrices and Associated Cellular Automata. Journal of Statistical Physics, 2001, 102, 843-863.	1.2	11
22	The Gordon-Generalization Hierarchy of Exactly Solvable IRF Models. Journal of the Physical Society of Japan, 1986, 55, 3338-3353.	1.6	10
23	Periodicities of T-systems and Y-systems. Nagoya Mathematical Journal, 2010, 197, 59-174.	0.8	10
24	The Quantum Nonlinear Schrödinger Model; Conserved Quantities. Journal of the Physical Society of Japan, 1986, 55, 76-81.	1.6	9
25	Inhomogeneous Generalization of a Multispecies Totally Asymmetric Zero Range Process. Journal of Statistical Physics, 2016, 164, 952-968.	1.2	9
26	Tetrahedron Equation and Quantum R Matrices for q-oscillator Representations of $U_q(A^{(2)}_{2n})$ U q (A 2 n (2)) , $U_q(C^{(1)}_{n})$ U q (C n (1)) and $U_q(D^{(2)}_{n+1})$ U q (D n + 1 (2)). Communications in Mathematical Physics, 2015, 334, 1219-1244.	2.2	8
27	Combinatorial Bethe Ansatz and Ultradiscrete Riemann Theta Function with Rational Characteristics. Letters in Mathematical Physics, 2007, 80, 199-209.	1.1	7
28	COMBINATORIAL BETHE ANSATZ AND GENERALIZED PERIODIC BOX-BALL SYSTEM. Reviews in Mathematical Physics, 2008, 20, 493-527.	1.7	7
29	Matrix product solutions to the reflection equation from three dimensional integrability. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 255204.	2.1	7
30	Matrix product solution to the reflection equation associated with a coideal subalgebra of		

#	Article	IF	Citations
37	A q-boson representation of Zamolodchikov-Faddeev algebra for stochastic R matrix of $$\varvec{U_q(A^{(1)}_n)}$$ $U_q(A_n(1))$. Letters in Mathematical Physics, 2017, 107, 1111-1130.	1.1	3
38	Reflection $\boldsymbol{K}$ matrices associated with an Onsager coideal of $\boldsymbol{U_p(A^{(1)}_{n-1})}$, $\boldsymbol{U_p(B^{(1)}_{n})}$, $\boldsymbol{U_p(D^{(1)}_{n})}$ and $\boldsymbol{U_p(D^{(2)}_{n+1})}$. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 375202.	2.1	2
39	Quantum spin chains from Onsager algebras and reflection K-matrices. Nuclear Physics B, 2019, 949, 114792.	2.5	2
40	Set-theoretical solutions to the reflection equation associated to the quantum affine algebra of type $\boldsymbol{A^{(1)}_{n-1}}$. Journal of Integrable Systems, 2019, 4, .	0.4	2
41	Generalized hydrodynamics in complete box-ball system for $U_q(\widehat{sl}_n)$. SciPost Physics, 2021, 10, .	4.9	2
42	Periodic Cellular Automata and Bethe Ansatz. , 2006, , .		2
43	GENERALIZED ENERGIES AND INTEGRABLE $D^{(1)}_{n}$ CELLULAR UTOMATON. , 2010, , .		2
44	Matrix product solutions to the G2 reflection equation. Journal of Integrable Systems, 2018, 3, .	0.4	1
45	A remark on renormalization group theoretical perturbation in a class of ordinary differential equations. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	0