

Luc Vinet

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/579969/publications.pdf>

Version: 2024-02-01

75
papers

1,573
citations

361413

20
h-index

345221

36
g-index

75
all docs

75
docs citations

75
times ranked

1195
citing authors

#	ARTICLE	IF	CITATIONS
1	The rational Heun operator and Wilson biorthogonal functions. Ramanujan Journal, 2023, 61, 7-29.	0.7	4
2	A classical model for perfect transfer and fractional revival based on q-Racah polynomials. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, , 127973.	2.1	1
3	Analytic q -Newton's cradles with perfect transfer and fractional revival. Annals of Physics, 2022, , 168790.	2.8	2
4	Racah Algebras, the Centralizer $Z_n(\{\frac{s}{t}\}, \{\frac{1}{t}\}, 2)$ and Its Hilbert-Poincaré Series. Annales Henri Poincaré, 2022, 23, 2657-2682.	1.7	8
5	The $SU(3) \hat{=} SO(3)$ missing label problem and the analytical Bethe Ansatz. International Journal of Modern Physics A, 2022, 37, .	1.5	2
6	Free boson realization of the Dunkl intertwining operator in one dimension. Reviews in Mathematical Physics, 2022, 34, .	1.7	3
7	Chern-Simons theory, link invariants and the Askey-Wilson algebra. Nuclear Physics B, 2022, , 115878.	2.5	0
8	The rational Sklyanin algebra and the Wilson and para-Racah polynomials. Journal of Mathematical Physics, 2022, 63, .	1.1	1
9	Bispectrality and biorthogonality of the rational functions of q-Hahn type. Journal of Mathematical Analysis and Applications, 2022, 516, 126443.	1.0	1
10	A unified algebraic underpinning for the Hahn polynomials and rational functions. Journal of Mathematical Analysis and Applications, 2021, 497, 124863.	1.0	2
11	New realizations of algebras of the Askey-Wilson type in terms of Lie and quantum algebras. Reviews in Mathematical Physics, 2021, 33, 2150002.	1.7	5
12	Entanglement in fermionic chains and bispectrality. Reviews in Mathematical Physics, 2021, 33, 2140001.	1.7	8
13	Heun operator of Lie type and the modified algebraic Bethe ansatz. Journal of Mathematical Physics, 2021, 62, 083501.	1.1	7
14	Orthogonal polynomials and the deformed Jordan plane. Journal of Mathematical Analysis and Applications, 2021, , 125717.	1.0	0
15	Sklyanin-like algebras for (q) -linear grids and (q) -para-Krawtchouk polynomials. Journal of Mathematical Physics, 2021, 62, .	1.1	4
16	An algebraic treatment of the Askey biorthogonal polynomials on the unit circle. Forum of Mathematics, Sigma, 2021, 9, .	0.7	3
17	Heun algebras of Lie type. Proceedings of the American Mathematical Society, 2020, 148, 1079-1094.	0.8	11
18	Little and big q-Jacobi polynomials and the Askey-Wilson algebra. Ramanujan Journal, 2020, 51, 629-648.	0.7	4

#	ARTICLE	IF	CITATIONS
19	The q-Heun operator of big q-Jacobi type and the q-Heun algebra. Ramanujan Journal, 2020, 52, 367-380.	0.7	8
20	Bannai's q-Heun algebras and the universal R-matrix of $\mathfrak{osp}(1 2)$. Letters in Mathematical Physics, 2020, 110, 1043-1055.	1.1	5
21	Entanglement of free Fermions on Hadamard graphs. Nuclear Physics B, 2020, 960, 115176.	2.5	7
22	The Heun-Racah and Heun-Bannai's q-Heun algebras. Journal of Mathematical Physics, 2020, 61, 081701.	1.1	7
23	The dual pair $(U_q(\mathfrak{su}(1,1)), \mathfrak{osp}(1 2(2n)))$, q-oscillators, and Askey-Wilson algebras. Journal of Mathematical Physics, 2020, 61, 041701.	1.1	6
24	Revisiting the Askey-Wilson algebra with the universal R -matrix of $\mathfrak{su}(\mathfrak{sl}) \cup_q(\mathfrak{su}_2)$. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 05LT01.	2.1	9
25	Signal Processing, Orthogonal Polynomials, and Heun Equations. Tutorials, Schools, and Workshops in the Mathematical Sciences, 2020, , 195-214.	0.3	2
26	Degenerate Sklyanin algebras, Askey-Wilson polynomials and Heun operators. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 445204.	2.1	7
27	An algebraic description of the bispectrality of the biorthogonal rational functions of Hahn type. Proceedings of the American Mathematical Society, 2020, 149, 715-728.	0.8	4
28	Entanglement in Fermionic Chains and Bispectrality. , 2020, , 77-96.		3
29	Truncation of the reflection algebra and the Hahn algebra. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 35LT01.	2.1	8
30	Free-Fermion entanglement and orthogonal polynomials. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 093101.	2.3	28
31	Perfect state transfer in a spin chain without mirror symmetry. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 455302.	2.1	3
32	The Heun-Askey-Wilson Algebra and the Heun Operator of Askey-Wilson Type. Annales Henri Poincare, 2019, 20, 3091-3112.	1.7	17
33	Double Affine Hecke Algebra of Rank 1 and Orthogonal Polynomials on the Unit Circle. Constructive Approximation, 2019, 50, 209-241.	3.0	3
34	Convolution identities for Dunkl orthogonal polynomials from the $\mathfrak{osp}(1 2)$ Lie superalgebra. Journal of Mathematical Physics, 2019, 60, 091701.	1.1	0
35	The q-Higgs and Askey-Wilson algebras. Nuclear Physics B, 2019, 944, 114632.	2.5	7
36	The Heun operator of Hahn-type. Proceedings of the American Mathematical Society, 2019, 147, 2987-2998.	0.8	13

#	ARTICLE	IF	CITATIONS
37	The Higgs and Hahn algebras from a Howe duality perspective. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 1531-1535.	2.1	9
38	Bargmann and Barut-Girardello models for the Racah algebra. Journal of Mathematical Physics, 2019, 60, 011701.	1.1	4
39	A q-generalization of the para-Racah polynomials. Journal of Mathematical Analysis and Applications, 2018, 462, 323-336.	1.0	6
40	The Racah algebra as a commutant and Howe duality. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 50LT01.	2.1	9
41	Algebraic Heun Operator and Band-Time Limiting. Communications in Mathematical Physics, 2018, 364, 1041-1068.	2.2	32
42	An embedding of the Bannai-Itô algebra in $U(\mathfrak{osp}(1,2))$ and $U(1,2)$ and $U(1)$ polynomials. Letters in Mathematical Physics, 2018, 108, 1623-1634.	1.1	7
43	A higher rank Racah algebra and the \mathbb{Z}_2^n Laplace-Dunkl operator. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 025203.	2.1	34
44	Persymmetric Jacobi matrices, isospectral deformations and orthogonal polynomials. Journal of Mathematical Analysis and Applications, 2017, 450, 915-928.	1.0	7
45	Tridiagonalization and the Heun equation. Journal of Mathematical Physics, 2017, 58, 031703.	1.1	24
46	Analytic next-to-nearest-neighbor models with perfect state transfer and fractional revival. Physical Review A, 2017, 96, .	2.5	25
47	Tridiagonal representations of the q -oscillator algebra and Askey-Wilson polynomials. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 235202.	2.1	8
48	Tridiagonalization of the hypergeometric operator and the Racah-Wilson algebra. Proceedings of the American Mathematical Society, 2016, 144, 4441-4454.	0.8	20
49	The non-symmetric Wilson polynomials are the Bannai-Itô polynomials. Proceedings of the American Mathematical Society, 2016, 144, 5217-5226.	0.8	17
50	A Dirac-Dunkl Equation on S^2 and the Bannai-Itô Algebra. Communications in Mathematical Physics, 2016, 344, 447-464.	2.2	29
51	The Dirac-Dunkl operator and a higher rank Bannai-Itô algebra. Advances in Mathematics, 2016, 303, 390-414.	1.1	11
52	An analytic spin chain model with fractional revival. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 335302.	2.1	13
53	Exact fractional revival in spin chains. Modern Physics Letters B, 2016, 30, 1650315.	1.9	10
54	Quantum spin chains with fractional revival. Annals of Physics, 2016, 371, 348-367.	2.8	32

#	ARTICLE	IF	CITATIONS
55	The para-Racah polynomials. Journal of Mathematical Analysis and Applications, 2016, 438, 565-577.	1.0	10
56	The Equitable Presentation of $\mathfrak{osp}_q(1 2)$ and a q-Analog of the Bannai-Ito Algebra. Letters in Mathematical Physics, 2015, 105, 1725-1734.	1.1	5
57	A Laplace-Dunkl Equation on S^2 and the Bannai-Ito Algebra. Communications in Mathematical Physics, 2015, 336, 243-259.	2.2	30
58	The Bannai-Ito polynomials as Racah coefficients of the $sl_{-1}(2)$ algebra. Proceedings of the American Mathematical Society, 2014, 142, 1545-1560.	0.8	40
59	The equitable Racah algebra from three $\mathfrak{su}(1,1)$ algebras. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 025203.	2.1	27
60	The Bannai-Ito algebra and a superintegrable system with reflections on the two-sphere. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 205202.	2.1	27
61	The Racah algebra and superintegrable models. Journal of Physics: Conference Series, 2014, 512, 012011.	0.4	27
62	The algebra of dual $\hat{sl}(2)$ Hahn polynomials and the Clebsch-Gordan problem of $\hat{sl}(2)$. Journal of Mathematical Physics, 2013, 54, .	1.1	14
63	Dual -1 Hahn polynomials: Classical polynomials beyond the Leonard duality. Proceedings of the American Mathematical Society, 2012, 141, 959-970.	0.8	25
64	How to construct spin chains with perfect state transfer. Physical Review A, 2012, 85, .	2.5	59
65	Almost perfect state transfer in quantum spin chains. Physical Review A, 2012, 86, .	2.5	34
66	Dual -1 Hahn polynomials and perfect state transfer. Journal of Physics: Conference Series, 2012, 343, 012125.	0.4	9
67	Para-Krawtchouk polynomials on a bi-lattice and a quantum spin chain with perfect state transfer. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 265304.	2.1	24
68	Dunkl shift operators and Bannai-Ito polynomials. Advances in Mathematics, 2012, 229, 2123-2158.	1.1	69
69	A \mathbb{C}^m family of classical orthogonal polynomials. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 085201.	2.1	592
70	Quasi-Linear Algebras and Integrability (the Heisenberg Picture). Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 2008, , .	0.5	6
71	Linear operator pencils on Lie algebras and Laurent biorthogonal polynomials. Journal of Physics A, 2004, 37, 7711-7725.	1.6	5
72	On the quantum group and quantum algebra approach to q-special functions. Letters in Mathematical Physics, 1993, 27, 179-190.	1.1	31

#	ARTICLE	IF	CITATIONS
73	Coherent Transport in Photonic Lattices: A Survey of Recent Analytic Results. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 0, , .	0.5	7
74	The Askeyâ€Wilson algebra and its avatars. Journal of Physics A: Mathematical and Theoretical, 0, , .	2.1	11
75	Time and band limiting operator and Bethe ansatz. Journal of Physics A: Mathematical and Theoretical, 0, , .	2.1	1