

# Alexander P Veselov

## List of Publications by Year in descending order

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118  
papers

3,301  
citations

159585

30  
h-index

161849

54  
g-index

120  
all docs

120  
docs citations

120  
times ranked

749  
citing authors

#	ARTICLE	IF	CITATIONS
1	Automorphic Lie Algebras and Modular Forms. International Mathematics Research Notices, 2023, 2023, 5209-5262.	1.0	2
2	Quasi-invariant Hermite Polynomials and Lassalle-Nekrasov Correspondence. Communications in Mathematical Physics, 2021, 386, 107-141.	2.2	1
3	Geodesic scattering on hyperboloids and Knörrer's map. Nonlinearity, 2021, 34, 5926-5954.	1.4	3
4	New integrable two-centre problem on sphere in Dirac magnetic field. Letters in Mathematical Physics, 2020, 110, 3105-3119.	1.1	2
5	Integrable generalisations of Dirac magnetic monopole. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 494004.	2.1	1
6	Markov numbers, Mather's $\hat{I}^2$ function and stable norm. Nonlinearity, 2019, 32, 2147-2156.	1.4	4
7	Conway topograph, $\mathbb{Z}$ -dynamics and two-valued groups. Russian Mathematical Surveys, 2019, 74, 387-430.	0.6	6
8	$\mathbb{Z}$ -Systems, Holonomy Lie Algebras, and Logarithmic Vector Fields. International Mathematics Research Notices, 2018, 2018, 2070-2098.	1.0	7
9	Growth of values of binary quadratic forms and Conway rivers. Bulletin of the London Mathematical Society, 2018, 50, 513-528.	0.8	5
10	Conway River and Arnold Sail. Arnold Mathematical Journal, 2018, 4, 169-177.	0.4	5
11	Symmetric Lie superalgebras and deformed quantum Calogero-Moser problems. Advances in Mathematics, 2017, 304, 728-768.	1.1	8
12	Lyapunov spectrum of Markov and Euclid trees. Nonlinearity, 2017, 30, 4428-4453.	1.4	11
13	Universal formula for the Hilbert series of minimal nilpotent orbits. Proceedings of the American Mathematical Society, 2017, 145, 5123-5130.	0.8	1
14	Orbits and Invariants of Super Weyl Groupoid. International Mathematics Research Notices, 2016, , rrw182.	1.0	1
15	JACK-LAURENT SYMMETRIC FUNCTIONS FOR SPECIAL VALUES OF PARAMETERS. Glasgow Mathematical Journal, 2016, 58, 599-616.	0.3	7
16	Complex Exceptional Orthogonal Polynomials and Quasi-invariance. Letters in Mathematical Physics, 2016, 106, 583-606.	1.1	4
17	Gaudin subalgebras and wonderful models. Selecta Mathematica, New Series, 2016, 22, 1057-1071.	1.0	5
18	Jack-Laurent symmetric functions. Proceedings of the London Mathematical Society, 2015, 111, 63-92.	1.3	10

#	ARTICLE	IF	CITATIONS
19	In search for a perfect shape of polyhedra: Buffon transformation. <i>L'Enseignement Mathematique</i> , 2015, 61, 261-284.	0.1	0
20	Burchnall's Chaundy polynomials and the Laurent phenomenon. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 205201.	2.1	3
21	Separation Coordinates, Moduli Spaces and Stasheff Polytopes. <i>Communications in Mathematical Physics</i> , 2015, 337, 1255-1274.	2.2	13
22	Dunkl Operators at Infinity and Calogero-Moser Systems. <i>International Mathematics Research Notices</i> , 2015, 2015, 10959-10986.	1.0	23
23	On deformation and classification of $\hat{a}_n$ -systems. <i>Journal of Nonlinear Mathematical Physics</i> , 2014, 21, 543.	1.3	3
24	On geometric quantization of the Dirac magnetic monopole. <i>Journal of Nonlinear Mathematical Physics</i> , 2014, 21, 34.	1.3	4
25	Baker-Akhiezer functions and generalised Macdonald-Mehta integrals. <i>Journal of Mathematical Physics</i> , 2013, 54, .	1.1	4
26	Viktor Matveevich Buchstaber (on his 70th birthday). <i>Russian Mathematical Surveys</i> , 2013, 68, 581-590.	0.6	0
27	Casimir eigenvalues for universal Lie algebra. <i>Journal of Mathematical Physics</i> , 2012, 53, 102106.	1.1	21
28	Universality in Chern-Simons theory. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	22
29	Zeros of Wronskians of Hermite polynomials and Young diagrams. <i>Physica D: Nonlinear Phenomena</i> , 2012, 241, 2131-2137.	2.8	42
30	Grothendieck rings of basic classical Lie superalgebras. <i>Annals of Mathematics</i> , 2011, 173, 663-703.	4.2	19
31	Gaudin subalgebras and stable rational curves. <i>Compositio Mathematica</i> , 2011, 147, 1463-1478.	0.8	18
32	On duality and negative dimensions in the theory of Lie groups and symmetric spaces. <i>Journal of Mathematical Physics</i> , 2011, 52, .	1.1	17
33	On Darboux-Treibich-Verdier Potentials. <i>Letters in Mathematical Physics</i> , 2011, 96, 209-216.	1.1	14
34	Euler characters and super Jacobi polynomials. <i>Advances in Mathematics</i> , 2011, 226, 4286-4315.	1.1	6
35	On elliptic Calogero-Moser systems for complex crystallographic reflection groups. <i>Journal of Algebra</i> , 2011, 329, 107-129.	0.7	16
36	QUANTUM CALOGERO-MOSER SYSTEMS: A VIEW FROM INFINITY. , 2010, , .		1

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37	Polynomial Solutions of the Knizhnik-Zamolodchikov Equations and Schur-Weyl Duality. International Mathematics Research Notices, 2010, , .	1.0	2
38	Whittakerâ€™Hill equation and semifinite-gap SchrÃ¶dinger operators. Journal of Mathematical Physics, 2010, 51, .	1.1	19
39	On Quadrirational Yang-Baxter Maps. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 2010, , .	0.5	17
40	BAKERâ€™AKHIEZER FUNCTION AS ITERATED RESIDUE AND SELBERG-TYPE INTEGRAL. Glasgow Mathematical Journal, 2009, 51, 59-73.	0.3	6
41	On the rational monodromy-free potentials with sextic growth. Journal of Mathematical Physics, 2009, 50, .	1.1	19
42	Deformed Macdonald-Ruijsenaars Operators and Super Macdonald Polynomials. Communications in Mathematical Physics, 2009, 288, 653-675.	2.2	20
43	$\langle \text{mml:math xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \text{ altimg}=\text{"si1.gif"} \text{ display}=\text{"inline"} \text{ overflow}=\text{"scroll"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi mathvariant}=\text{"italic"} \rangle \text{BC} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{z} \langle \text{mml:mo} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ Calogeroâ€™Moser operator and super Jacobi polynomials. Advances in Mathematics, 2009, 222, 1687-1726.	1.1	24
44	A few things I learnt from JÃ¼rgen Moser. Regular and Chaotic Dynamics, 2008, 13, 515-524.	0.8	3
45	LamÃ© Equation, Quantum Euler Top and Elliptic Bernoulli Polynomials. Proceedings of the Edinburgh Mathematical Society, 2008, 51, 635-650.	0.3	15
46	Periodic continued fractions and hyperelliptic curves. Journal of the London Mathematical Society, 2008, 77, 593-606.	1.0	3
47	Logarithmic Frobenius structures and Coxeter discriminants. Advances in Mathematics, 2007, 212, 143-162.	1.1	26
48	Part 6. Yang-Baxter Maps: Dynamical Point of View. MSJ Memoirs, 2007, , 145-167.	0.2	22
49	Spectra of Sol-Manifolds: Arithmetic and Quantum Monodromy. Communications in Mathematical Physics, 2006, 264, 583-611.	2.2	17
50	Elliptic Faulhaber polynomials and Lamé densities of states. International Mathematics Research Notices, 2006, , .	1.0	9
51	Yang-Baxter maps and symmetries of integrable equations on quad-graphs. Journal of Mathematical Physics, 2006, 47, 083502.	1.1	58
52	On the real zeroes of the Hurwitz zeta-function and Bernoulli polynomials. Journal of Mathematical Analysis and Applications, 2005, 305, 712-721.	1.0	5
53	Generalised discriminants, deformed Calogeroâ€™Moserâ€™Sutherland operators and super-Jack polynomials. Advances in Mathematics, 2005, 192, 341-375.	1.1	40
54	Bernoulli Numbers and Solitons. Journal of Nonlinear Mathematical Physics, 2005, 12, 469.	1.3	11

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55	A Remark on Rational Isochronous Potentials. <i>Journal of Nonlinear Mathematical Physics</i> , 2005, 12, 179.	1.3	43
56	Cauchy Problem for Integrable Discrete Equations on Quad-Graphs. <i>Acta Applicandae Mathematicae</i> , 2004, 84, 237-262.	1.0	26
57	Deformed Quantum Calogero-Moser Problems and Lie Superalgebras. <i>Communications in Mathematical Physics</i> , 2004, 245, 249-278.	2.2	73
58	Yang-Baxter Maps and Matrix Solitons. , 2004, , 191-197.		12
59	Cauchy problem for integrable discrete equations on quad-graphs. <i>Acta Applicandae Mathematicae</i> , 2004, 84, 237-262.	1.0	32
60	Yang-Baxter maps and integrable dynamics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 314, 214-221.	2.1	97
61	Lax Matrices for Yang-Baxter Maps. <i>Journal of Nonlinear Mathematical Physics</i> , 2003, 10, 223.	1.3	25
62	Discrete Lagrangian systems on the Virasoro group and Camassa-Holm family. <i>Nonlinearity</i> , 2003, 16, 683-688.	1.4	2
63	On generalizations of the Calogero-Moser-Sutherland quantum problem and WDVV equations. <i>Journal of Mathematical Physics</i> , 2002, 43, 5675-5682.	1.1	5
64	Two-dimensional discrete hydrodynamics and Monge-Ampère equations. <i>Ergodic Theory and Dynamical Systems</i> , 2002, 22, .	0.6	7
65	Faulhaber and Bernoulli polynomials and solitons. <i>Physica D: Nonlinear Phenomena</i> , 2001, 152-153, 47-50.	2.8	13
66	Actions of the Neumann systems via Picard-Fuchs equations. <i>Physica D: Nonlinear Phenomena</i> , 2001, 155, 159-183.	2.8	17
67	Locus configurations and $\tilde{A}$ -systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2001, 285, 339-349.	2.1	30
68	On Stieltjes relations, Painlevé-IV hierarchy and complex monodromy. <i>Journal of Physics A</i> , 2001, 34, 3511-3519.	1.6	25
69	Integrable Schrödinger operators with magnetic fields: Factorization method on curved surfaces. <i>Journal of Mathematical Physics</i> , 2001, 42, 590.	1.1	45
70	On the Structure of Singularities of Integrable Schrödinger Operators. <i>Letters in Mathematical Physics</i> , 2000, 52, 103-111.	1.1	10
71	New Integrable Generalizations of the CMS Quantum Problem and Deformations of Root Systems. , 2000, , 507-519.		0
72	Multidimensional integrable Schrödinger operators with matrix potential. <i>Journal of Mathematical Physics</i> , 1999, 40, 5341-5355.	1.1	2

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73	Multidimensional Baker-Akhiezer Functions and Huygens' Principle. Communications in Mathematical Physics, 1999, 206, 533-566.	2.2	64
74	Multidimensional Baker-Akhiezer Functions and Huygens' Principle. Communications in Mathematical Physics, 1999, 206, 533.	2.2	6
75	Monodromy of the matrix Schrödinger equations and Darboux transformations. Journal of Physics A, 1998, 31, 5315-5326.	1.6	43
76	On the singularities of potentials of exactly soluble Schrödinger equations and on Hadamard's problem. Russian Mathematical Surveys, 1998, 53, 208-209.	0.6	13
77	Huygens' Principle and Integrability. Progress in Mathematics, 1998, , 259-275.	0.3	2
78	Integrability and Huygens' principle on symmetric spaces. Communications in Mathematical Physics, 1996, 178, 311-338.	2.2	18
79	On a remarkable functional equation in the theory of generalized Dunkl operators and transformations of elliptic genera. Mathematische Zeitschrift, 1996, 223, 595-607.	0.9	16
80	On a remarkable functional equation in the theory of generalized Dunkl operators and transformations of elliptic genera. Mathematische Zeitschrift, 1996, 223, 595-607.	0.9	6
81	Integrable correspondences and algebraic representations of multivalued groups. International Mathematics Research Notices, 1996, 1996, 381.	1.0	33
82	New integrable deformations of the Calogero-Moser quantum problem. Russian Mathematical Surveys, 1996, 51, 573-574.	0.6	34
83	Huygens' principle and integrable systems. Physica D: Nonlinear Phenomena, 1995, 87, 9-13.	2.8	2
84	Factorization and Poisson correspondences. Theoretical and Mathematical Physics(Russian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 T	0.9	14
85	Exactly soluble periodic two-dimensional Schrödinger operators. Russian Mathematical Surveys, 1995, 50, 1316-1317.	0.6	1
86	Complex Geometry of the Billiard on the Ellipsoid and Quasicrystallic Curves. , 1994, , 277-283.		2
87	Huygens' principle and integrability. Russian Mathematical Surveys, 1994, 49, 5-77.	0.6	36
88	Dunkl operators, functional equations, and transformations of elliptic genera. Russian Mathematical Surveys, 1994, 49, 145-147.	0.6	5
89	Shift operators for the quantum Calogero-Sutherland problems via Knizhnik-Zamolodchikov equation. Communications in Mathematical Physics, 1994, 160, 259-273.	2.2	34
90	Two remarks about the connection of Jacobi and Neumann integrable systems. Mathematische Zeitschrift, 1994, 216, 337-345.	0.9	14

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91	Hadamard's problem and coxeter groups: New examples of Huygens' equations. Functional Analysis and Its Applications, 1994, 28, 3-12.	0.4	25
92	Calogero quantum problem, Knizhnik-Zamolodchikov equation, and Huygens principle. Theoretical and Mathematical Physics(Russian Federation), 1994, 98, 368-376.	0.9	14
93	Elliptic Dunkl operators, root systems, and functional equations. Duke Mathematical Journal, 1994, 76, 885.	1.5	57
94	Dressing chains and the spectral theory of the Schrödinger operator. Functional Analysis and Its Applications, 1993, 27, 81-96.	0.4	223
95	Algebraic integrability for the Schrödinger equation and finite reflection groups. Theoretical and Mathematical Physics(Russian Federation), 1993, 94, 182-197.	0.9	47
96	Integrability in the theory of Schrödinger operator and harmonic analysis. Communications in Mathematical Physics, 1993, 152, 29-40.	2.2	34
97	The Huygens principle and Coxeter groups. Russian Mathematical Surveys, 1993, 48, 183-184.	0.6	7
98	Parametric resonance and geodesics on an ellipsoid. Functional Analysis and Its Applications, 1992, 26, 211-213.	0.4	6
99	Explicit formulas for spherical functions on symmetric spaces of type AII. Functional Analysis and Its Applications, 1992, 26, 59-61.	0.4	5
100	Growth and integrability in the dynamics of mappings. Communications in Mathematical Physics, 1992, 145, 181-193.	2.2	119
101	Discrete versions of some classical integrable systems and factorization of matrix polynomials. Communications in Mathematical Physics, 1991, 139, 217-243.	2.2	387
102	Integrable Lagrangian correspondences and the factorization of matrix polynomials. Functional Analysis and Its Applications, 1991, 25, 112-122.	0.4	34
103	Growth of the number of images of a point under iterates of a multivalued map. Mathematical Notes, 1991, 49, 134-139.	0.4	9
104	Integrable maps. Russian Mathematical Surveys, 1991, 46, 1-51.	0.6	226
105	What Is an Integrable Mapping?. Springer Series in Nonlinear Dynamics, 1991, , 251-272.	0.2	27
106	Commutative rings of partial differential operators and Lie algebras. Communications in Mathematical Physics, 1990, 126, 597-611.	2.2	123
107	Confocal surfaces and integrable billiards on the sphere and in the Lobachevsky space. Journal of Geometry and Physics, 1990, 7, 81-107.	1.4	48
108	Integrable discrete-time systems and difference operators. Functional Analysis and Its Applications, 1988, 22, 83-93.	0.4	177

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109	Integrable nonholonomic systems on Lie groups. <i>Mathematical Notes</i> , 1988, 44, 810-819.	0.4	42
110	Currents on Lie groups with nonholonomic connection and integrable nonhamiltonian systems. <i>Functional Analysis and Its Applications</i> , 1987, 20, 308-309.	0.4	7
111	Integration of the stationary problem for a classical spin chain. <i>Theoretical and Mathematical Physics(Russian Federation)</i> , 1987, 71, 446-450.	0.9	25
112	Two-dimensional Schrödinger operator: Inverse scattering transform and evolutionary equations. <i>Physica D: Nonlinear Phenomena</i> , 1986, 18, 267-273.	2.8	122
113	Structure of axisymmetric soliton solutions of Einstein's equations. <i>Theoretical and Mathematical Physics(Russian Federation)</i> , 1983, 54, 155-160.	0.9	4
114	Dynamics of the singularities of solutions of some nonlinear equations. <i>Theoretical and Mathematical Physics(Russian Federation)</i> , 1982, 50, 314-316.	0.9	0
115	Finite-zone potentials and integrable systems on a sphere with quadratic potential. <i>Functional Analysis and Its Applications</i> , 1980, 14, 37-39.	0.4	22
116	Hamiltonian formalism for the Novikov-Krichever equations for the commutativity of two operators. <i>Functional Analysis and Its Applications</i> , 1979, 13, 1-6.	0.4	41
117	Periodic Vortex Streets and Complex Monodromy. <i>Symmetry, Integrability and Geometry: Methods and Applications (SIGMA)</i> , 0, , .	0.5	0
118	On the Spectra of Real and Complex Lamé Operators. <i>Symmetry, Integrability and Geometry: Methods and Applications (SIGMA)</i> , 0, , .	0.5	1