

# Alexey V Sleptsov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4108741/publications.pdf>

Version: 2024-02-01

40  
papers

658  
citations

687363

13  
h-index

580821

25  
g-index

40  
all docs

40  
docs citations

40  
times ranked

85  
citing authors

#	ARTICLE	IF	CITATIONS
1	Superpolynomials for torus knots from evolution induced by cut-and-join operators. Journal of High Energy Physics, 2013, 2013, 1.	4.7	92
2	Colored knot polynomials for arbitrary pretzel knots and links. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 71-74.	4.1	46
3	On genus expansion of knot polynomials and hidden structure of Hurwitz tau-functions. European Physical Journal C, 2013, 73, 1.	3.9	41
4	Interplay between MacDonal and Hall-Littlewood expansions of extended torus superpolynomials. Journal of High Energy Physics, 2012, 2012, 1.	4.7	38
5	Genus expansion of HOMFLY polynomials. Theoretical and Mathematical Physics(Russian Federation), 2013, 177, 1435-1470.	0.9	38
6	Colored HOMFLY polynomials for the pretzel knots and links. Journal of High Energy Physics, 2015, 2015, 1.	4.7	38
7	Colored knot polynomials: HOMFLY in representation $[2, 1]$ . International Journal of Modern Physics A, 2015, 30, 1550169.	1.5	35
8	Tabulating knot polynomials for arborescent knots. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 085201.	2.1	35
9	Quantum Racah matrices and 3-strand braids in irreps $R$ with $ R  = 4$ . JETP Letters, 2016, 104, 56-61.	1.4	25
10	On genus expansion of superpolynomials. Nuclear Physics B, 2014, 889, 757-777.	2.5	23
11	Racah matrices and hidden integrability in evolution of knots. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 45-58.	4.1	23
12	KONTSEVICH INTEGRAL FOR KNOTS AND VASSILIEV INVARIANTS. International Journal of Modern Physics A, 2013, 28, 1330025.	1.5	21
13	Hidden structures of knot invariants. International Journal of Modern Physics A, 2014, 29, 1430063.	1.5	18
14	HOMFLY polynomials in representation $[3, 1]$ for 3-strand braids. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
15	Differential expansion for link polynomials. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 778, 197-206.	4.1	13
16	Combinatorial structure of colored HOMFLY-PT polynomials for torus knots. Communications in Number Theory and Physics, 2019, 13, 763-826.	1.0	13
17	Multi-colored Links From 3-Strand Braids Carrying Arbitrary Symmetric Representations. Annales Henri Poincare, 2019, 20, 4033-4054.	1.7	12
18	Lattice theta constants vs Riemann theta constants and NSR superstring measures. Journal of High Energy Physics, 2009, 2009, 072-072.	4.7	10

#	ARTICLE	IF	CITATIONS
19	Checks of integrality properties in topological strings. Journal of High Energy Physics, 2017, 2017, 1.	4.7	10
20	Orthogonal Polynomials in Mathematical Physics. Reviews in Mathematical Physics, 2018, 30, 1840005.	1.7	10
21	Multiplicity-free $U(\mathfrak{sl})$ 6-j symbols: Relations, asymptotics, symmetries. Nuclear Physics B, 2020, 960, 115164.	2.5	10
22	On 6j-symbols for symmetric representations of $U_q(\mathfrak{su}_N)$ . JETP Letters, 2017, 106, 630-636.	1.4	9
23	On the block structure of the quantum $\hat{a}_{r,s}$ -matrix in the three-strand braids. International Journal of Modern Physics A, 2018, 33, 1850105.	1.5	9
24	Geometric Hamiltonian formalism for reparameterization-invariant theories with higher derivatives. Theoretical and Mathematical Physics(Russian Federation), 2009, 158, 61-81.	0.9	8
25	Quantum Racah matrices up to level 3 and multicolored link invariants. Journal of Geometry and Physics, 2018, 132, 155-180.	1.4	8
26	A New Symmetry of the Colored Alexander Polynomial. Annales Henri Poincare, 2021, 22, 1235-1265.	1.7	8
27	Explicit computation of the Drinfeld associator in the case of the fundamental representation of $\mathfrak{gl}(N)$ . Journal of Physics A: Mathematical and Theoretical, 2012, 45, 385204.	2.1	7
28	Gaussian distribution of LMOV numbers. Nuclear Physics B, 2017, 924, 1-32.	2.5	7
29	Coloured Alexander polynomials and KP hierarchy. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 783, 268-273.	4.1	7
30	A Novel Symmetry of Colored HOMFLY Polynomials Coming from $\mathfrak{sl}(N M)$ Superalgebras. Communications in Mathematical Physics, 2021, 384, 955-969.	2.2	7
31	On the homology of certain smooth covers of moduli spaces of algebraic curves. Differential Geometry and Its Applications, 2015, 40, 86-102.	0.5	5
32	Chern-Simons perturbative series revisited. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 823, 136727.	4.1	5
33	Interplay between symmetries of quantum 6j-symbols and the eigenvalue hypothesis. Letters in Mathematical Physics, 2021, 111, 1.	1.1	4
34	NSR superstring measures in genus 5. Nuclear Physics B, 2013, 872, 106-126.	2.5	3
35	Addendum to: Checks of integrality properties in topological strings. Journal of High Energy Physics, 2018, 2018, 1.	4.7	3
36	Vassiliev invariants for pretzel knots. International Journal of Modern Physics A, 2016, 31, 1650156.	1.5	2

#	ARTICLE	IF	CITATIONS
37	Quantum Racah matrices and 3-strand braids in representation [3,3]. Journal of Geometry and Physics, 2021, 166, 104273.	1.4	2
38	QFT and unification of knot theories. Modern Physics Letters A, 2014, 29, 1430025.	1.2	0
39	On the Few-Term Curves. I. Journal of Mathematical Sciences, 2015, 211, 418-433.	0.4	0
40	QFT and unification of knot theories. , 2014, , .		0