

# Andrei Vesnin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1222346/publications.pdf>

Version: 2024-02-01

52  
papers

338  
citations

933447

10  
h-index

996975

15  
g-index

52  
all docs

52  
docs citations

52  
times ranked

94  
citing authors

#	ARTICLE	IF	CITATIONS
1	TWO-SIDED ASYMPTOTIC BOUNDS FOR THE COMPLEXITY OF SOME CLOSED HYPERBOLIC THREE-MANIFOLDS. Journal of the Australian Mathematical Society, 2009, 86, 205-219.	0.4	24
2	COVERING PROPERTIES OF SMALL VOLUME HYPERBOLIC 3-MANIFOLDS. Journal of Knot Theory and Its Ramifications, 1998, 07, 381-392.	0.3	20
3	Grãbnerâ€“Shirshov bases for some braid groups. Journal of Symbolic Computation, 2006, 41, 357-371.	0.8	20
4	A Census of Tetrahedral Hyperbolic Manifolds. Experimental Mathematics, 2016, 25, 466-481.	0.7	19
5	Hyperbolic volumes of Fibonacci manifolds. Siberian Mathematical Journal, 1995, 36, 235-245.	0.6	17
6	Projective metric realizations of cone-manifolds with singularities along 2-bridge knots and links. Journal of Geometry, 2009, 95, 91-133.	0.4	15
7	Two-variable polynomial invariants of virtual knots arising from flat virtual knot invariants. Journal of Knot Theory and Its Ramifications, 2018, 27, 1842015.	0.3	13
8	Structural aspects of twin and pure twin groups. Geometriae Dedicata, 2019, 203, 135-154.	0.3	13
9	COMPLEXITY, HEEGAARD DIAGRAMS AND GENERALIZED DUNWOODY MANIFOLDS. Journal of the Korean Mathematical Society, 2010, 47, 585-598.	0.4	13
10	A Generalization of Fibonacci Groups. Algebra and Logic, 2003, 42, 73-91.	0.3	12
11	On the Wiener Complexity and the Wiener Index of Fullerene Graphs. Mathematics, 2019, 7, 1071.	2.2	11
12	Exact values of complexity for Paoluzzi-Zimmermann manifolds. Doklady Mathematics, 2011, 84, 542-544.	0.6	10
13	On complexity of three-dimensional hyperbolic manifolds with geodesic boundary. Siberian Mathematical Journal, 2012, 53, 625-634.	0.6	10
14	Packings by translation balls in $SL_2(\mathbb{R})$ . Journal of Geometry, 2014, 105, 287-306.	0.4	10
15	On generalized fibonacci groups with an odd number of generators. Communications in Algebra, 2000, 28, 959-965.	0.6	9
16	Generalized Neuwirth Groups and Seifert Fibered Manifolds. Algebra Colloquium, 2000, 7, 295-303.	0.2	8
17	Strongly-cyclic branched coverings of knots via $(g, 1)$ -decompositions. Acta Mathematica Hungarica, 2007, 116, 163-176.	0.5	8
18	Cusped hyperbolic 3-manifolds of complexity 10 having maximum volume. Proceedings of the Steklov Institute of Mathematics, 2015, 289, 227-239.	0.3	8

#	ARTICLE	IF	CITATIONS
19	Generalized topological efficiency “ case study with $C_{84}$ fullerene. Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 545-550.	2.1	8
20	On the complexity of three-dimensional cusped hyperbolic manifolds. Doklady Mathematics, 2014, 89, 267-270.	0.6	7
21	HNN EXTENSION OF CYCLICALLY PRESENTED GROUPS. Journal of Knot Theory and Its Ramifications, 2001, 10, 1269-1279.	0.3	6
22	The Yamada polynomial of spatial graphs obtained by edge replacements. Journal of Knot Theory and Its Ramifications, 2018, 27, 1842004.	0.3	6
23	Gordian complexes of knots and virtual knots given by region crossing changes and arc shift moves. Journal of Knot Theory and Its Ramifications, 2020, 29, 2042008.	0.3	6
24	On correlation of hyperbolic volumes of fullerenes with their properties. Computational and Mathematical Biophysics, 2020, 8, 150-167.	1.1	6
25	CLASS PRESERVING AUTOMORPHISMS OF UNITRIANGULAR GROUPS. International Journal of Algebra and Computation, 2012, 22, 1250023.	0.5	5
26	Three-dimensional manifolds with poor spines. Proceedings of the Steklov Institute of Mathematics, 2015, 288, 29-38.	0.3	5
27	F-polynomials of tabulated virtual knots. Journal of Knot Theory and Its Ramifications, 2020, 29, 2050054.	0.3	5
28	On spines of Seifert fibered manifolds. Aequationes Mathematicae, 2003, 65, 40-60.	0.8	4
29	Two-sided complexity bounds for Borel manifolds. Doklady Mathematics, 2007, 76, 689-691.	0.6	4
30	Lambert cubes and the Borel polyhedron revisited. Advances in Geometry, 2012, 12, 525-548.	0.4	4
31	Two-sided bounds for the complexity of hyperbolic three-manifolds with geodesic boundary. Proceedings of the Steklov Institute of Mathematics, 2014, 286, 55-64.	0.3	4
32	Geodesic and Translation Ball Packings Generated by Prismatic Tessellations of the Universal Cover of $SL_2(\mathbb{R})$ . Results in Mathematics, 2017, 71, 623-642.	0.8	3
33	A necessary and sufficient condition for a surface sum of two handlebodies to be a handlebody. Science China Mathematics, 2020, 63, 1997-2004.	1.7	3
34	On the Wiener $(r,s)$ -complexity of fullerene graphs. Fullerenes Nanotubes and Carbon Nanostructures, 0, , 1-4.	2.1	3
35	High-dimensional knots corresponding to the fractional Fibonacci groups. Fundamenta Mathematicae, 1999, 161, 235-240.	0.5	3
36	On Jørgensen numbers and their analogs for groups of figure-eight orbifolds. Siberian Mathematical Journal, 2014, 55, 807-816.	0.6	2

#	ARTICLE	IF	CITATIONS
37	ON GEHRINGâ€™â€™MARTINâ€™â€™TAN GROUPS WITH AN ELLIPTIC GENERATOR. Bulletin of the Australian Mathematical Society, 2016, 94, 326-336.	0.5	2
38	An unknotting index for virtual links. Topology and Its Applications, 2019, 264, 352-368.	0.4	2
39	YAMADA POLYNOMIAL AND KHOVANOV COHOMOLOGY. , 2007, , .		2
40	On medial links and hyperbolic 3-manifolds with large isometry groups. Rendiconti Del Circolo Matematico Di Palermo, 2001, 50, 347-358.	1.3	1
41	On the Conjugacy Problem for Cyclic Extensions of Free Groups. Communications in Algebra, 2005, 33, 1979-1996.	0.6	1
42	Two-sided bounds for the volume of right-angled hyperbolic polyhedra. Mathematical Notes, 2011, 89, 31-36.	0.4	1
43	Cyclic branched coverings of lens spaces. Siberian Mathematical Journal, 2011, 52, 426-435.	0.6	1
44	The Polynomials of Prime Virtual Knots of Genus $\hat{1}$ and Complexity at $\hat{A}5$ . Siberian Mathematical Journal, 2020, 61, 994-1001.	0.6	1
45	An unknotting invariant for welded knots. Proceedings of the Indian Academy of Sciences: Mathematical Sciences, 2021, 131, 1.	0.1	1
46	Virtual and universal braid groups, their quotients and representations. Journal of Group Theory, 2022, .	0.2	1
47	Recurrent Generalization of F-Polynomials for Virtual Knots and Links. Symmetry, 2022, 14, 15.	2.2	1
48	DYNNIKOV COORDINATES ON VIRTUAL BRAID GROUPS. Journal of Knot Theory and Its Ramifications, 2012, 21, 1250052.	0.3	0
49	Cyclic generalizations of two hyperbolic icosahedral manifolds. Topology and Its Applications, 2012, 159, 2071-2081.	0.4	0
50	Brieskorn Manifolds, Generalized Sieradski Groups, and Coverings of Lens Spaces. Proceedings of the Steklov Institute of Mathematics, 2019, 304, S175-S185.	0.3	0
51	Density of Roots of the Yamada Polynomial of Spatial Graphs. Proceedings of the Steklov Institute of Mathematics, 2019, 305, 135-148.	0.3	0
52	The sixth Russian-Chinese conference on knot theory and related topics. Journal of Knot Theory and Its Ramifications, 2020, 29, 2002001.	0.3	0