

# Andrei Vesnin

## List of Publications by Year in descending order

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52  
papers

338  
citations

933447

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996975

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g-index

52  
all docs

52  
docs citations

52  
times ranked

94  
citing authors

#	ARTICLE	IF	CITATIONS
1	Virtual and universal braid groups, their quotients and representations. Journal of Group Theory, 2022, .	0.2	1
2	Recurrent Generalization of F-Polynomials for Virtual Knots and Links. Symmetry, 2022, 14, 15.	2.2	1
3	An unknotting invariant for welded knots. Proceedings of the Indian Academy of Sciences: Mathematical Sciences, 2021, 131, 1.	0.1	1
4	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
5	F-polynomials of tabulated virtual knots. Journal of Knot Theory and Its Ramifications, 2020, 29, 2050054.	0.3	5
6	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
7	Generalized topological efficiency “ case study with $C_{84}$ fullerene. Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 545-550.	2.1	8
8	On correlation of hyperbolic volumes of fullerenes with their properties. Computational and Mathematical Biophysics, 2020, 8, 150-167.	1.1	6
9	The Polynomials of Prime Virtual Knots of Genus 1 and Complexity at Most 5. Siberian Mathematical Journal, 2020, 61, 994-1001.	0.6	1
10	The sixth Russian-Chinese conference on knot theory and related topics. Journal of Knot Theory and Its Ramifications, 2020, 29, 2002001.	0.3	0
11	Brieskorn Manifolds, Generalized Sieradski Groups, and Coverings of Lens Spaces. Proceedings of the Steklov Institute of Mathematics, 2019, 304, S175-S185.	0.3	0
12	An unknotting index for virtual links. Topology and Its Applications, 2019, 264, 352-368.	0.4	2
13	On the Wiener Complexity and the Wiener Index of Fullerene Graphs. Mathematics, 2019, 7, 1071.	2.2	11
14	Structural aspects of twin and pure twin groups. Geometriae Dedicata, 2019, 203, 135-154.	0.3	13
15	Density of Roots of the Yamada Polynomial of Spatial Graphs. Proceedings of the Steklov Institute of Mathematics, 2019, 305, 135-148.	0.3	0
16	The Yamada polynomial of spatial graphs obtained by edge replacements. Journal of Knot Theory and Its Ramifications, 2018, 27, 1842004.	0.3	6
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	ON GEHRINGâ€“MARTINâ€“TAN GROUPS WITH AN ELLIPTIC GENERATOR. Bulletin of the Australian Mathematical Society, 2016, 94, 326-336.	0.5	2
20	A Census of Tetrahedral Hyperbolic Manifolds. Experimental Mathematics, 2016, 25, 466-481.	0.7	19
21	Cusped hyperbolic 3-manifolds of complexity 10 having maximum volume. Proceedings of the Steklov Institute of Mathematics, 2015, 289, 227-239.	0.3	8
22	Three-dimensional manifolds with poor spines. Proceedings of the Steklov Institute of Mathematics, 2015, 288, 29-38.	0.3	5
23	On JÃrgensen numbers and their analogs for groups of figure-eight orbifolds. Siberian Mathematical Journal, 2014, 55, 807-816.	0.6	2
24	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
25	Packings by translation balls in $\widetilde{SL}_2(\mathbb{R})$ . Journal of Geometry, 2014, 105, 287-306.	0.4	10
26	On the complexity of three-dimensional cusped hyperbolic manifolds. Doklady Mathematics, 2014, 89, 267-270.	0.6	7
27	DYNNIKOV COORDINATES ON VIRTUAL BRAID GROUPS. Journal of Knot Theory and Its Ramifications, 2012, 21, 1250052.	0.3	0
28	CLASS PRESERVING AUTOMORPHISMS OF UNITRIANGULAR GROUPS. International Journal of Algebra and Computation, 2012, 22, 1250023.	0.5	5
29	Lambert cubes and the LÃebell polyhedron revisited. Advances in Geometry, 2012, 12, 525-548.	0.4	4
30	On complexity of three-dimensional hyperbolic manifolds with geodesic boundary. Siberian Mathematical Journal, 2012, 53, 625-634.	0.6	10
31	Cyclic generalizations of two hyperbolic icosahedral manifolds. Topology and Its Applications, 2012, 159, 2071-2081.	0.4	0
32	Two-sided bounds for the volume of right-angled hyperbolic polyhedra. Mathematical Notes, 2011, 89, 31-36.	0.4	1
33	Exact values of complexity for Paoluzzi-Zimmermann manifolds. Doklady Mathematics, 2011, 84, 542-544.	0.6	10
34	Cyclic branched coverings of lens spaces. Siberian Mathematical Journal, 2011, 52, 426-435.	0.6	1
35	COMPLEXITY, HEEGAARD DIAGRAMS AND GENERALIZED DUNWOODY MANIFOLDS. Journal of the Korean Mathematical Society, 2010, 47, 585-598.	0.4	13
36	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

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37	Projective metric realizations of cone-manifolds with singularities along 2-bridge knots and links. <i>Journal of Geometry</i> , 2009, 95, 91-133.	0.4	15
38	Two-sided complexity bounds for LÄŕbell manifolds. <i>Doklady Mathematics</i> , 2007, 76, 689-691.	0.6	4
39	Strongly-cyclic branched coverings of knots via $(g, 1)$ -decompositions. <i>Acta Mathematica Hungarica</i> , 2007, 116, 163-176.	0.5	8
40	YAMADA POLYNOMIAL AND KHOVANOV COHOMOLOGY. , 2007, , .		2
41	GrÄŕbnerÄŕ“Shirshov bases for some braid groups. <i>Journal of Symbolic Computation</i> , 2006, 41, 357-371.	0.8	20
42	On the Conjugacy Problem for Cyclic Extensions of Free Groups. <i>Communications in Algebra</i> , 2005, 33, 1979-1996.	0.6	1
43	A Generalization of Fibonacci Groups. <i>Algebra and Logic</i> , 2003, 42, 73-91.	0.3	12
44	On spines of Seifert fibered manifolds. <i>Aequationes Mathematicae</i> , 2003, 65, 40-60.	0.8	4
45	On medial links and hyperbolic 3-manifolds with large isometry groups. <i>Rendiconti Del Circolo Matematico Di Palermo</i> , 2001, 50, 347-358.	1.3	1
46	HNN EXTENSION OF CYCLICALLY PRESENTED GROUPS. <i>Journal of Knot Theory and Its Ramifications</i> , 2001, 10, 1269-1279.	0.3	6
47	Generalized Neuwirth Groups and Seifert Fibered Manifolds. <i>Algebra Colloquium</i> , 2000, 7, 295-303.	0.2	8
48	On generalized fibonacci groups with an odd number of generators. <i>Communications in Algebra</i> , 2000, 28, 959-965.	0.6	9
49	High-dimensional knots corresponding to the fractional Fibonacci groups. <i>Fundamenta Mathematicae</i> , 1999, 161, 235-240.	0.5	3
50	COVERING PROPERTIES OF SMALL VOLUME HYPERBOLIC 3-MANIFOLDS. <i>Journal of Knot Theory and Its Ramifications</i> , 1998, 07, 381-392.	0.3	20
51	Hyperbolic volumes of Fibonacci manifolds. <i>Siberian Mathematical Journal</i> , 1995, 36, 235-245.	0.6	17
52	On the Wiener $(r,s)$ -complexity of fullerene graphs. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 0, , 1-4.	2.1	3