

Karen Vogtmann

List of Publications by Year in descending order

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53
papers

1,703
citations

393982

19
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288905

40
g-index

56
all docs

56
docs citations

56
times ranked

558
citing authors

#	ARTICLE	IF	CITATIONS
1	Geometry of the Space of Phylogenetic Trees. <i>Advances in Applied Mathematics</i> , 2001, 27, 733-767.	0.4	400
2	Moduli of graphs and automorphisms of free groups. <i>Inventiones Mathematicae</i> , 1986, 84, 91-119.	1.3	349
3	Automorphisms of Free Groups and Outer Space. <i>Geometriae Dedicata</i> , 2002, 94, 1-31.	0.1	79
4	On a theorem of Kontsevich. <i>Algebraic and Geometric Topology</i> , 2003, 3, 1167-1224.	0.1	65
5	Rational homology of Bianchi groups. <i>Mathematische Annalen</i> , 1985, 272, 399-419.	0.7	54
6	Cerf Theory for Graphs. <i>Journal of the London Mathematical Society</i> , 1998, 58, 633-655.	0.5	45
7	Rational homology of $\text{Ext}\{m \text{ Aut}\}(\mathbb{F}_n)$. <i>Mathematical Research Letters</i> , 1998, 5, 759-780.	0.2	38
8	Homology stability for outer automorphism groups of free groups. <i>Algebraic and Geometric Topology</i> , 2004, 4, 1253-1272.	0.1	37
9	The integral homology of SL_2 and PSL_2 of euclidean imaginary quadratic integers. <i>Commentarii Mathematici Helvetici</i> , 1983, 58, 573-598.	0.4	36
10	Automorphisms of $2m$ -dimensional right-angled Artin groups. <i>Geometry and Topology</i> , 2007, 11, 2227-2264.	0.5	35
11	Finiteness properties of automorphism groups of right-angled Artin groups. <i>Bulletin of the London Mathematical Society</i> , 2009, 41, 94-102.	0.4	32
12	A group theoretic criterion for property FA. <i>Proceedings of the American Mathematical Society</i> , 1996, 124, 677-683.	0.4	31
13	Spherical posets and homology stability for $O_{n,n}$. <i>Topology</i> , 1981, 20, 119-132.	0.4	29
14	Local structure of some $\text{Out}(F_n)$ -complexes. <i>Proceedings of the Edinburgh Mathematical Society</i> , 1990, 33, 367-379.	0.2	28
15	A generating function for the Euler characteristic of $\text{out}(F_n)$. <i>Journal of Pure and Applied Algebra</i> , 1987, 44, 329-348.	0.3	27
16	Equivariant outer space and automorphisms of free-by-finite groups. <i>Commentarii Mathematici Helvetici</i> , 1993, 68, 216-262.	0.4	26
17	Automorphisms of Automorphism Groups of Free Groups. <i>Journal of Algebra</i> , 2000, 229, 785-792.	0.4	22
18	Isoperimetric inequalities for automorphism groups of free groups. <i>Pacific Journal of Mathematics</i> , 1996, 173, 425-441.	0.2	20

#	ARTICLE	IF	CITATIONS
19	Homology stability for On,n . Communications in Algebra, 1979, 7, 9-38.	0.3	19
20	HOMOMORPHISMS FROM AUTOMORPHISM GROUPS OF FREE GROUPS. Bulletin of the London Mathematical Society, 2003, 35, 785-792.	0.4	18
21	The symmetries of outer space. Duke Mathematical Journal, 2001, 106, .	0.8	18
22	Hairy graphs and the unstable homology of $Mod(g, s)$, $Out(F_n)$ and $Aut(F_n)$. Journal of Topology, 2013, 6, 119-153.	0.2	16
23	On the Geometry of the Automorphism Group of a Free Group. Bulletin of the London Mathematical Society, 1995, 27, 544-552.	0.4	14
24	Cut vertices in commutative graphs. Quarterly Journal of Mathematics, 2005, 56, 321-336.	0.3	14
25	Morita classes in the homology of automorphism groups of free groups. Geometry and Topology, 2004, 8, 1471-1499.	0.5	14
26	On the geometry of Outer space. Bulletin of the American Mathematical Society, 2014, 52, 27-46.	0.8	13
27	The Boundary of Outer Space in Rank Two. Mathematical Sciences Research Institute Publications, 1991, , 189-230.	0.3	13
28	Actions of automorphism groups of free groups on homology spheres and acyclic manifolds. Commentarii Mathematici Helvetici, 2010, 86, 73-90.	0.4	13
29	Assembling homology classes in automorphism groups of free groups. Commentarii Mathematici Helvetici, 2016, 91, 751-806.	0.4	13
30	A Stiefel complex for the orthogonal group of a field. Commentarii Mathematici Helvetici, 1982, 57, 11-21.	0.4	12
31	Outer space for untwisted automorphisms of right-angled Artin groups. Geometry and Topology, 2017, 21, 1131-1178.	0.5	12
32	Tethers and homology stability for surfaces. Algebraic and Geometric Topology, 2017, 17, 1871-1916.	0.1	11
33	Automorphisms of graphs, p -subgroups of $out(F_n)$ and the Euler characteristics of $Out(F_n)$. Journal of Pure and Applied Algebra, 1987, 49, 187-200.	0.3	10
34	Automorphisms of two-dimensional RAAGS and partially symmetric automorphisms of free groups. Groups, Geometry, and Dynamics, 2009, 3, 541-554.	0.3	9
35	End invariants of the group of outer automorphisms of a free group. Topology, 1995, 34, 533-545.	0.4	8
36	Abelian covers of graphs and maps between outer automorphism groups of free groups. Mathematische Annalen, 2012, 353, 1069-1102.	0.7	8

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37	Higher hairy graph homology. <i>Geometriae Dedicata</i> , 2015, 176, 345-374.	0.1	8
38	A Whitehead algorithm for surface groups. <i>Topology</i> , 2000, 39, 1239-1251.	0.4	7
39	A presentation for $\text{Aut}(F_n)$. <i>Journal of Group Theory</i> , 2008, 11, .	0.2	7
40	Length functions and outer space.. <i>Michigan Mathematical Journal</i> , 1992, 39, .	0.2	7
41	AN EQUIVARIANT WHITEHEAD ALGORITHM AND CONJUGACY FOR ROOTS OF DEHN TWIST AUTOMORPHISMS. <i>Proceedings of the Edinburgh Mathematical Society</i> , 2001, 44, 117-141.	0.2	6
42	Infinitesimal operations on complexes of graphs. <i>Mathematische Annalen</i> , 2003, 327, 545-573.	0.7	6
43	$\langle \text{GL}(n, \mathbb{Z}), \text{Out}(F_n) \rangle$ and everything in between: automorphism groups of RAAGs. , 2015, , 105-127.		6
44	On the bordification of Outer space. <i>Journal of the London Mathematical Society</i> , 2018, 98, 12-34.	0.5	5
45	Morita classes in the homology of $\text{Aut}(F_n)$ vanish after one stabilization. <i>Groups, Geometry, and Dynamics</i> , 2008, 2, 121-138.	0.3	4
46	Contractibility of Outer space: reprise. , 0, , .		3
47	The Dehn functions of $\text{Out}(F_n)$ and $\text{Aut}(F_n)$. <i>Annales De L'Institut Fourier</i> , 2012, 62, 1811-1817.	0.2	3
48	The Euler characteristic of $\text{Out}(F_n)$. <i>Commentarii Mathematici Helvetici</i> , 2020, 95, 703-748.	0.4	3
49	Actions of arithmetic groups on homology spheres and acyclic homology manifolds. <i>Mathematische Zeitschrift</i> , 2014, 276, 387-395.	0.4	2
50	Cube complexes and abelian subgroups of automorphism groups of RAAGs. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 2021, 170, 523-547.	0.3	2
51	Automorphisms of \mathbb{Z}^2 of imaginary quadratic integers. <i>Proceedings of the American Mathematical Society</i> , 1991, 112, 691-699.	0.4	1
52	Automorphisms of SL_2 of Imaginary Quadratic Integers. <i>Proceedings of the American Mathematical Society</i> , 1991, 112, 691.	0.4	0
53	Geometric Structures in Group Theory. <i>Oberwolfach Reports</i> , 2018, 14, 1869-1915.	0.0	0