

Walter Neumann

List of Publications by Year in descending order

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30
papers

1,106
citations

471509

17
h-index

477307

29
g-index

30
all docs

30
docs citations

30
times ranked

192
citing authors

#	ARTICLE	IF	CITATIONS
1	A calculus for plumbing applied to the topology of complex surface singularities and degenerating complex curves. Transactions of the American Mathematical Society, 1981, 268, 299-344.	0.9	201
2	A geometric invariant of discrete groups. Inventiones Mathematicae, 1987, 90, 451-477.	2.5	191
3	Transverse foliations of Seifert bundles and self homeomorphism of the circle. Commentarii Mathematici Helvetici, 1981, 56, 638-660.	0.7	74
4	Casson invariant of links of singularities. Commentarii Mathematici Helvetici, 1990, 65, 58-78.	0.7	70
5	Complex algebraic plane curves via their links at infinity. Inventiones Mathematicae, 1989, 98, 445-489.	2.5	56
6	Complete intersection singularities of splice type as universal abelian covers. Geometry and Topology, 2005, 9, 699-755.	1.3	52
7	Rotation numbers of products of circle homeomorphisms. Mathematische Annalen, 1985, 271, 381-400.	1.4	40
8	Complex surface singularities with integral homology sphere links. Geometry and Topology, 2005, 9, 757-811.	1.3	38
9	On the quasivariety of convex subsets of affine spaces. Archiv Der Mathematik, 1970, 21, 11-16.	0.5	32
10	Products of knots, branched fibrations and sums of singularities. Topology, 1977, 16, 369-393.	0.3	30
11	Brieskorn complete intersections and automorphic forms. Inventiones Mathematicae, 1977, 42, 285-293.	2.5	30
12	Commensurability and virtual fibration for graph manifolds. Topology, 1997, 36, 355-378.	0.3	30
13	Unfoldings in knot theory. Mathematische Annalen, 1987, 278, 409-439.	1.4	28
14	Unfoldings in knot theory. Mathematische Annalen, 1988, 282, 349-351.	1.4	25
15	Central Extensions of Word Hyperbolic Groups. Annals of Mathematics, 1997, 145, 183.	4.2	23
16	Generalizations of the Poincaré-Birkhoff fixed point theorem. Bulletin of the Australian Mathematical Society, 1977, 17, 375-389.	0.5	22
17	Universal abelian covers of quotient-cusps. Mathematische Annalen, 2003, 326, 75-93.	1.4	18
18	Amalgamation and the invariant trace field of a Kleinian group. Mathematical Proceedings of the Cambridge Philosophical Society, 1991, 109, 509-515.	0.4	17

#	ARTICLE	IF	CITATIONS
19	Homomorphisms of Fuchsian groups to $PSL(2, \hat{\mathbb{Z}})$. <i>Commentarii Mathematici Helvetici</i> , 1985, 60, 480-495.	0.7	15
20	Vanishing cycles and monodromy of complex polynomials. <i>Duke Mathematical Journal</i> , 2000, 101, 487.	1.5	14
21	Fibered over the circle within a bordism class. <i>Mathematische Annalen</i> , 1971, 192, 191-192.	1.4	12
22	On bilinear forms represented by trees. <i>Bulletin of the Australian Mathematical Society</i> , 1989, 40, 303-321.	0.5	12
23	Rational polynomials of simple type. <i>Pacific Journal of Mathematics</i> , 2002, 204, 177-207.	0.5	12
24	Volume bounds for generalized twisted torus links. <i>Mathematical Research Letters</i> , 2011, 18, 1097-1120.	0.5	12
25	Immersed and virtually embedded injective surfaces in graph manifolds. <i>Algebraic and Geometric Topology</i> , 2001, 1, 411-426.	0.4	11
26	Manifold cutting and pasting groups. <i>Topology</i> , 1975, 14, 237-244.	0.3	9
27	Four-manifolds constructed via plumbing. <i>Mathematische Annalen</i> , 1978, 238, 71-78.	1.4	9
28	Lipschitz geometry of complex curves. <i>Journal of Singularities</i> , 0, , .	0.1	9
29	On Leighton's graph covering theorem. <i>Groups, Geometry, and Dynamics</i> , 2010, 4, 863-872.	0.5	8
30	Nontrivial rational polynomials in two variables have reducible fibres. <i>Bulletin of the Australian Mathematical Society</i> , 1998, 58, 501-503.	0.5	6