

Selman Akbulut

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

606
citations

687363

13
h-index

610901

24
g-index

42
all docs

42
docs citations

42
times ranked

110
citing authors

#	ARTICLE	IF	CITATIONS
1	Branched covers of surfaces in 4-manifolds. <i>Mathematische Annalen</i> , 1980, 252, 111-131.	1.4	91
2	Lefschetz fibrations on compact Stein surfaces. <i>Geometry and Topology</i> , 2001, 5, 319-334.	1.3	76
3	The Topology of Real Algebraic Sets with Isolated Singularities. <i>Annals of Mathematics</i> , 1981, 113, 425.	4.2	63
4	A fake compact contractible 4-manifold. <i>Journal of Differential Geometry</i> , 1991, 33, 335.	1.1	48
5	A potential smooth counterexample in dimension 4 to the Poincare conjecture, the Schoenflies conjecture, and the Andrews-Curtis conjecture. <i>Topology</i> , 1985, 24, 375-390.	0.3	42
6	Mazur manifolds.. <i>Michigan Mathematical Journal</i> , 1979, 26, 259.	0.4	29
7	On 2-dimensional homology classes of 4-manifolds. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 1977, 82, 99-106.	0.4	27
8	Cappell-Shaneson homotopy spheres are standard. <i>Annals of Mathematics</i> , 2010, 171, 2171-2175.	4.2	23
9	Title is missing!. <i>International Mathematics Research Notices</i> , 2002, 2002, 769.	1.0	22
10	A relative Nash theorem. <i>Transactions of the American Mathematical Society</i> , 1981, 267, 465-481.	0.9	20
11	An exotic involution of S^4 . <i>Topology</i> , 1979, 18, 75-81.	0.3	19
12	Constructing a fake 4-manifold by Gluck construction to a standard 4-manifold. <i>Topology</i> , 1988, 27, 239-243.	0.3	15
13	Real algebraic structures on topological spaces. <i>Publications Mathematiques De L'Institut Des Hautes Etudes Scientifiques</i> , 1981, 53, 79-162.	4.3	14
14	An exotic 4-manifold. <i>Journal of Differential Geometry</i> , 1991, 33, .	1.1	14
15	Scharlemann's Manifold is Standard. <i>Annals of Mathematics</i> , 1999, 149, 497.	4.2	10
16	Calibrated manifolds and Gauge theory. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 2008, 2008, .	0.9	10
17	Knotting corks. <i>Journal of Topology</i> , 2009, 2, 823-839.	0.5	10
18	The Dolgachev surface. <i>Commentarii Mathematici Helvetici</i> , 2012, 87, 187-241.	0.7	10

#	ARTICLE	IF	CITATIONS
19	A topological resolution theorem. Publications Mathematiques De L'Institut Des Hautes Etudes Scientifiques, 1981, 53, 163-195.	4.3	8
20	Algebraic equations for a class of P. L. spaces. Mathematische Annalen, 1977, 231, 19-31.	1.4	7
21	A resolution theorem for homology cycles of real algebraic varieties. Inventiones Mathematicae, 1985, 79, 589-601.	2.5	7
22	Infinitely many small exotic Stein fillings. Journal of Symplectic Geometry, 2014, 12, 673-684.	0.5	7
23	Real algebraic variety structures on P. L. manifolds. Bulletin of the American Mathematical Society, 1977, 83, 281-283.	3.9	6
24	Small exotic Stein manifolds. Commentarii Mathematici Helvetici, 2010, 85, 705-721.	0.7	4
25	Cappell's 4-dimensional cobordism. Geometry and Topology, 2002, 6, 425-494.	1.3	4
26	Mirror duality in a Joyce manifold. Advances in Mathematics, 2010, 223, 444-453.	1.1	3
27	A topological characterization of real algebraic varieties. Bulletin of the American Mathematical Society, 1980, 2, 171-174.	1.5	2
28	Gluck twisting 4-manifolds with odd intersection form. Mathematical Research Letters, 2013, 20, 385-389.	0.5	2
29	Contact 5-manifolds admitting open books with exotic pages. Mathematical Research Letters, 2015, 22, 1589-1599.	0.5	2
30	Some new results on the topology of nonsingular real algebraic sets. Bulletin of the American Mathematical Society, 1990, 23, 441-447.	1.5	1
31	DOUBLE KNOT SURGERIES TO S^4 AND $S^2 \times S^2 \setminus S^2$. International Journal of Mathematics, 2011, 22, 1735-1741.	0.5	1
32	A NOTE ON LEFSCHETZ FIBRATIONS ON COMPACT STEIN 4-MANIFOLDS. Communications in Contemporary Mathematics, 2012, 14, 1250035.	1.2	1
33	TOPOLOGY OF MULTIPLE LOG TRANSFORMS OF 4-MANIFOLDS. International Journal of Mathematics, 2013, 24, 1350052.	0.5	1
34	On Legendrian embeddings into open book decompositions. Arkiv for Matematik, 2019, 57, 227-245.	0.5	1
35	Knot surgery and Scharlemann manifolds. Forum Mathematicum, 0, , ---.	0.7	0
36	The Akhmedov's Park exotic $CP^2 \# 2CP^2$. Advances in Mathematics, 2015, 274, 948-967.	1.1	0

#	ARTICLE	IF	CITATIONS
37	Legendrian realization in convex Lefschetz fibrations and convex stabilizations. Forum Mathematicum, 2015, 27, .	0.7	0
38	Exotic Structures on Smooth Four-Manifolds. Progress in Mathematics, 2012, , 1-17.	0.3	0
39	Decomposing a 4 -manifold. Proceedings of the American Mathematical Society, 1999, 127, 3413-3419.	0.8	0
40	Introduction to Resolution Towers. , 2020, , 1-11.		0
41	The topology of resolution towers. Transactions of the American Mathematical Society, 1987, 302, 497-521.	0.9	0