

Jonathan Spreer

List of Publications by Year in descending order

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28
papers

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citations

1684188

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h-index

1588992

8
g-index

28
all docs

28
docs citations

28
times ranked

37
citing authors

#	ARTICLE	IF	CITATIONS
1	simpcomp. ACM Communications in Computer Algebra, 2011, 44, 186-189.	0.4	13
2	Simple crystallizations of 4-manifolds. Advances in Geometry, 2016, 16, 111-130.	0.4	10
3	Combinatorial Properties of the K_3 Surface: Simplicial Blowups and Slicings. Experimental Mathematics, 2011, 20, 201-216.	0.7	9
4	Separation index of graphs and stacked 2-spheres. Journal of Combinatorial Theory - Series A, 2015, 136, 184-197.	0.8	6
5	Tight triangulations of closed 3-manifolds. European Journal of Combinatorics, 2016, 54, 103-120.	0.8	5
6	A Construction Principle for Tight and Minimal Triangulations of Manifolds. Experimental Mathematics, 2018, 27, 22-36.	0.7	5
7	Algorithms and complexity for Turaev-Viro invariants. Journal of Applied and Computational Topology, 2018, 2, 33-53.	2.0	4
8	On minimal ideal triangulations of cusped hyperbolic 3-manifolds. Journal of Topology, 2020, 13, 308-342.	0.5	4
9	$\hat{\nu}_2$ -Thurston norm and complexity of 3-manifolds, II. Algebraic and Geometric Topology, 2020, 20, 503-529.	0.4	4
10	Parameterized Complexity of Discrete Morse Theory. ACM Transactions on Mathematical Software, 2016, 42, 1-24.	2.9	4
11	Normal surfaces as combinatorial slicings. Discrete Mathematics, 2011, 311, 1295-1309.	0.7	3
12	Simplicial blowups and discrete normal surfaces in simpcomp. ACM Communications in Computer Algebra, 2012, 45, 173-176.	0.4	3
13	A characterization of tightly triangulated 3-manifolds. European Journal of Combinatorics, 2017, 61, 133-137.	0.8	3
14	The EKR property for flag pure simplicial complexes without boundary. Journal of Combinatorial Theory - Series A, 2020, 172, 105205.	0.8	3
15	Algorithms and Complexity for Turaev-Viro Invariants. Lecture Notes in Computer Science, 2015, , 281-293.	1.3	3
16	A necessary condition for the tightness of odd-dimensional combinatorial manifolds. European Journal of Combinatorics, 2016, 51, 475-491.	0.8	2
17	Short proof of two cases of Chvátal's conjecture. Discrete Mathematics, 2019, 342, 2192-2194.	0.7	2
18	A polynomial time algorithm to compute quantum invariants of 3-manifolds with bounded first Betti number.. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
19	Partitioning the triangles of the cross polytope into surfaces. Beitrage Zur Algebra Und Geometrie, 2012, 53, 473-486.	0.5	1
20	Computational topology and normal surfaces: Theoretical and experimental complexity bounds. , 2013, , 78-87.		1
21	Combinatorial 3-Manifolds with Transitive Cyclic Symmetry. Discrete and Computational Geometry, 2014, 51, 394-426.	0.6	1
22	Bounds for the genus of a normal surface. Geometry and Topology, 2016, 20, 1625-1671.	1.3	1
23	Determining the Trisection Genus of Orientable and Non-Orientable PL 4-Manifolds through Triangulations. Experimental Mathematics, 2022, 31, 897-907.	0.7	1
24	Unravelling the Dodecahedral Spaces. MATRIX Book Series, 2018, , 323-347.	0.2	1
25	COMBINATORIAL INSCRIBABILITY OBSTRUCTIONS FOR HIGHER DIMENSIONAL POLYTOPES. Mathematika, 2020, 66, 927-953.	0.5	1
26	Average Betti Numbers of Induced Subcomplexes in Triangulations of Manifolds. Electronic Journal of Combinatorics, 2020, 27, .	0.4	1
27	Combinatorial Seifert fibred spaces with transitive cyclic automorphism group. Israel Journal of Mathematics, 2016, 214, 741-784.	0.8	0
28	A Polynomial-Time Algorithm to Compute Turaev's Viro Invariants $\mathrm{TV}_{4,q}$ of 3-Manifolds with Bounded First Betti Number. Foundations of Computational Mathematics, 2020, 20, 1013-1034.	2.5	0