

Jonathan Spreer

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Determining the Trisection Genus of Orientable and Non-Orientable PL 4-Manifolds through Triangulations. <i>Experimental Mathematics</i> , 2022, 31, 897-907.	0.7	1
2	A Polynomial-Time Algorithm to Compute Turaev-Viro Invariants $\mathrm{TV}_{4,q}$ of 3-Manifolds with Bounded First Betti Number. <i>Foundations of Computational Mathematics</i> , 2020, 20, 1013-1034.	2.5	0
3	On minimal ideal triangulations of cusped hyperbolic 3-manifolds. <i>Journal of Topology</i> , 2020, 13, 308-342.	0.5	4
4	Thurston norm and complexity of 3-manifolds, II. <i>Algebraic and Geometric Topology</i> , 2020, 20, 503-529.	0.4	4
5	The EKR property for flag pure simplicial complexes without boundary. <i>Journal of Combinatorial Theory - Series A</i> , 2020, 172, 105205.	0.8	3
6	COMBINATORIAL INSCRIBABILITY OBSTRUCTIONS FOR HIGHER DIMENSIONAL POLYTOPES. <i>Mathematika</i> , 2020, 66, 927-953.	0.5	1
7	Average Betti Numbers of Induced Subcomplexes in Triangulations of Manifolds. <i>Electronic Journal of Combinatorics</i> , 2020, 27, .	0.4	1
8	Short proof of two cases of Chvátal's conjecture. <i>Discrete Mathematics</i> , 2019, 342, 2192-2194.	0.7	2
9	A Construction Principle for Tight and Minimal Triangulations of Manifolds. <i>Experimental Mathematics</i> , 2018, 27, 22-36.	0.7	5
10	Algorithms and complexity for Turaev-Viro invariants. <i>Journal of Applied and Computational Topology</i> , 2018, 2, 33-53.	2.0	4
11	Unravelling the Dodecahedral Spaces. <i>MATRIX Book Series</i> , 2018, , 323-347.	0.2	1
12	A characterization of tightly triangulated 3-manifolds. <i>European Journal of Combinatorics</i> , 2017, 61, 133-137.	0.8	3
13	A polynomial time algorithm to compute quantum invariants of 3-manifolds with bounded first Betti number.. , 2017, , .		2
14	Bounds for the genus of a normal surface. <i>Geometry and Topology</i> , 2016, 20, 1625-1671.	1.3	1
15	Combinatorial Seifert fibred spaces with transitive cyclic automorphism group. <i>Israel Journal of Mathematics</i> , 2016, 214, 741-784.	0.8	0
16	A necessary condition for the tightness of odd-dimensional combinatorial manifolds. <i>European Journal of Combinatorics</i> , 2016, 51, 475-491.	0.8	2
17	Tight triangulations of closed 3-manifolds. <i>European Journal of Combinatorics</i> , 2016, 54, 103-120.	0.8	5
18	Parameterized Complexity of Discrete Morse Theory. <i>ACM Transactions on Mathematical Software</i> , 2016, 42, 1-24.	2.9	4

#	ARTICLE	IF	CITATIONS
19	Simple crystallizations of 4-manifolds. <i>Advances in Geometry</i> , 2016, 16, 111-130.	0.4	10
20	Separation index of graphs and stacked 2-spheres. <i>Journal of Combinatorial Theory - Series A</i> , 2015, 136, 184-197.	0.8	6
21	Algorithms and Complexity for Turaev-Viro Invariants. <i>Lecture Notes in Computer Science</i> , 2015, , 281-293.	1.3	3
22	Combinatorial 3-Manifolds with Transitive Cyclic Symmetry. <i>Discrete and Computational Geometry</i> , 2014, 51, 394-426.	0.6	1
23	Computational topology and normal surfaces: Theoretical and experimental complexity bounds. , 2013, , 78-87.		1
24	Simplicial blowups and discrete normal surfaces in simpcomp. <i>ACM Communications in Computer Algebra</i> , 2012, 45, 173-176.	0.4	3
25	Partitioning the triangles of the cross polytope into surfaces. <i>Beitrage Zur Algebra Und Geometrie</i> , 2012, 53, 473-486.	0.5	1
26	Combinatorial Properties of the K^3 Surface: Simplicial Blowups and Slicings. <i>Experimental Mathematics</i> , 2011, 20, 201-216.	0.7	9
27	Normal surfaces as combinatorial slicings. <i>Discrete Mathematics</i> , 2011, 311, 1295-1309.	0.7	3
28	simpcomp. <i>ACM Communications in Computer Algebra</i> , 2011, 44, 186-189.	0.4	13