Ivan Izmestiev

List of Publications by Year
in descending order

30	269	1040056 9	996975 15
papers	citations	h-index	g-index

31	31	31	119
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Alexandrovâ€™s theorem, weighted Delaunay triangulations, and mixed volumes. Annales De L'Institut Fourier, 2008, 58, 447-505.	0.6	47
2	Projective background of the infinitesimal rigidity of frameworks. Geometriae Dedicata, 2009, 140, 183-203.	0.3	21
3	Ivoryâ€™s theorem revisited. Journal of Integrable Systems, 2017, 2, .	0.4	20
4	Branched coverings, triangulations, and 3-manifolds. Advances in Geometry, 2003, 3, 191-225.	0.4	18
5	Infinitesimal rigidity of polyhedra with vertices in convex position. Pacific Journal of Mathematics, 2010, 248, 171-190.	0.5	14
6	The Colin de VerdiÃ¨re number and graphs of polytopes. Israel Journal of Mathematics, 2010, 178, 427-444.	0.8	13
7	Hyperbolic cusps with convex polyhedral boundary. Geometry and Topology, 2009, 13, 457-492.	1.3	13
8	SHAPES OF POLYHEDRA, MIXED VOLUMES AND HYPERBOLIC GEOMETRY. Mathematika, 2017, 63, 124-183.	0.5	12
9	A Variational Proof of Alexandrovâ€™s Convex Cap Theorem. Discrete and Computational Geometry, 2008, 40, 561-585.	0.6	10
10	There is no triangulation of the torus with vertex degrees 5, 6, ... , 6, 7 and related results: geometric proofs for combinatorial theorems. Geometriae Dedicata, 2013, 166, 15-29.	0.3	10
11	Simplicial moves on balanced complexes. Advances in Mathematics, 2017, 320, 82-114.	1.1	10
12	A simple proof of an isoperimetric inequality for Euclidean and hyperbolic cone-surfaces. Differential Geometry and Its Applications, 2015, 43, 95-101.	0.5	8
13	Classification of Flexible Kokotsakis Polyhedra with Quadrangular Base. International Mathematics Research Notices, 2016, , rnw055.	1.0	8
14	Gauss images of hyperbolic cusps with convex polyhedral boundary. Transactions of the American Mathematical Society, 2011, 363, 5481-5536.	0.9	7
15	Infinitesimal Rigidity of Convex Polyhedra through the Second Derivative of the Hilbertâ€“Einstein Functional. Canadian Journal of Mathematics, 2014, 66, 783-825.	0.6	6
16	Cross-ratio Dynamics on Ideal Polygons. International Mathematics Research Notices, 2022, 2022, 6770-6853.	1.0	6
17	Examples of infinitesimally flexible 3-dimensional hyperbolic cone-manifolds. Journal of the Mathematical Society of Japan, 2011, 63, .	0.4	5
18	Derived subdivisions make every PL sphere polytopal. Israel Journal of Mathematics, 2015, 208, 443-450.	0.8	5

#	Article	IF	Citations
19	Iterating Evolutes and Involutes. Discrete and Computational Geometry, 2017, 58, 80-143.	0.6	5
20	Extension of colorings. European Journal of Combinatorics, 2005, 26, 779-781.	0.8	4
21	Hyperbolization of cusps with convex boundary. Manuscripta Mathematica, 2016, 150, 475-492.	0.6	4
22	Spherical and hyperbolic conics. , 2019, , 262-320.		4
23	A Porism for Cyclic Quadrilaterals, Butterfly Theorems, and Hyperbolic Geometry. American Mathematical Monthly, 2015, 122, 467.	0.3	3
24	Four-bar linkages, elliptic functions, and flexible polyhedra. Computer Aided Geometric Design, 2020, 79, 101870.	1.2	3
25	Statics and kinematics of frameworks in Euclidean and non-Euclidean geometry. , 2019, , 191-233.		3
26	Variational properties of the discrete Hilbert-Einstein functional. Actes Des Rencontres Du CIRM, 2013, 3, 151-157.	0.0	3
27	ON THE HULL NUMBERS OF TORUS LINKS. Journal of Knot Theory and Its Ramifications, 2006, 15, 589-600.	0.3	2
28	The Regge symmetry, confocal conics, and the SchlÃfli formula. Bulletin of the London Mathematical Society, 2019, 51, 765-775.	0.8	2
29	Four equivalent properties of integrable billiards. Israel Journal of Mathematics, 2021, 241, 693-719.	0.8	2
30	Infinitesimal rigidity of smooth convex surfaces through the second derivative of the Hilbertâ€“Einstein functional. Dissertationes Mathematicae, 0, 492, 1-58.	1.0	1