Anton Leykin

List of Publications by Year
in descending order

17 papers	405 citations	840776 11 h-index	940533 16 g-index
17 all docs	17 docs citations	17 times ranked	132 citing authors

#	Article	IF	Citations
1	Newton's method with deflation for isolated singularities of polynomial systems. Theoretical Computer Science, 2006, 359, 111-122.	0.9	105
2	Numerical algebraic geometry. The Journal of Software ForAlgebra and Geometry: Macaulay2, 2011, 3, 5-10.	0.6	58
3	Solving polynomial systems via homotopy continuation and monodromy. IMA Journal of Numerical Analysis, 2019, 39, 1421-1446.	2.9	41
4	Robust Certified Numerical Homotopy Tracking. Foundations of Computational Mathematics, 2013, 13, 253-295.	2.5	36
5	Galois groups of Schubert problems via homotopy computation. Mathematics of Computation, 2009, 78, 1749-1765.	2.1	31
6	Certified Numerical Homotopy Tracking. Experimental Mathematics, 2012, 21, 69-83.	0.7	28
7	Algorithmic proofs of two theorems of Stafford. Journal of Symbolic Computation, 2004, 38, 1535-1550.	0.8	16
8	Trace Test. Arnold Mathematical Journal, 2018, 4, 113-125.	0.4	15
9	PLMP - Point-Line Minimal Problems in Complete Multi-View Visibility. , 2019, , .		15
10	Constructibility of the Set of Polynomials with a Fixed Bernstein–Sato Polynomial: an Algorithmic Approach. Journal of Symbolic Computation, 2001, 32, 663-675.	0.8	14
11	Hilbert series of symmetric ideals in infinite polynomial rings via formal languages. Journal of Algebra, 2017, 485, 353-362.	0.7	12
12	Noetherianity for infinite-dimensional toric varieties. Algebra and Number Theory, 2015, 9, 1857-1880.	0.6	12
13	Stillman's conjecture via generic initial ideals. Communications in Algebra, 2019, 47, 2384-2395.	0.6	9
14	A numerical toolkit for multiprojective varieties. Mathematics of Computation, 2021, 90, 413-440.	2.1	4
15	Computing Tropical Curves via Homotopy Continuation. Experimental Mathematics, 2016, 25, 83-93.	0.7	3
16	Inflation of Poorly Conditioned Zeros of Systems of Analytic Functions. Arnold Mathematical Journal, 2021, 7, 431-440.	0.4	3
17	Determinantal representations of hyperbolic curves via polynomial homotopy continuation. Mathematics of Computation, 2017, 86, 2877-2888.	2.1	3