Mauricio Velasco

List of Publications by Year
in descending order

25 papers	**349** citations

840776

11 h-index	

839539

18 g-index	

25 all docs	**25** docs citations
25 times ranked	**208** citing authors

#	Article	IF	Citations
1	Approximate super-resolution of positive measures in all dimensions. Applied and Computational Harmonic Analysis, 2021, 52, 251-278.	2.2	2
2	Sharp degree bounds for sum-of-squares certificates on projective curves. Journal Des Mathematiques Pures Et Appliquees, 2019, 129, 61-86.	1.6	3
3	Local angles and dimension estimation from data on manifolds. Journal of Multivariate Analysis, 2019, 173, 229-247.	1.0	7
4	A new linear approach for nonlinear control problems. , 2019, , .		0
5	Compressed sensing of data with a known distribution. Applied and Computational Harmonic Analysis, 2018, 45, 486-504.	2.2	3
6	A Lower Bound for the Determinantal Complexity of a Hypersurface. Foundations of Computational Mathematics, 2017, 17, 829-836.	2.5	9
7	Do Sums of Squares Dream of Free Resolutions?. SIAM Journal on Applied Algebra and Geometry, 2017, 1, 175-199.	1.4	11
8	Semidefinite Approximations of Conical Hulls of Measured Sets. Discrete and Computational Geometry, 2017, 57, 71-103.	0.6	1
9	Sums of squares and varieties of minimal degree. Journal of the American Mathematical Society, 2016, 29, 893-913.	3.9	30
10	Test sets for nonnegativity of polynomials invariant under a finite reflection group. Journal of Pure and Applied Algebra, 2016, 220, 2936-2947.	0.6	5
11	Dual Toric Codes and Polytopes of Degree One. SIAM Journal on Discrete Mathematics, 2015, 29, 683-692.	0.8	3
12	Linearization Functors on Real Convex Sets. SIAM Journal on Optimization, 2015, 25, 1-27.	2.0	7
13	Gap vectors of real projective varieties. Advances in Mathematics, 2015, 283, 458-472.	1.1	2
14	Estimation of Seed Shadows Generated by Andean Woolly Monkeys (Lagothrix lagothricha lugens). International Journal of Primatology, 2014, 35, 1021-1036.	1.9	14
15	The maximum cut problem on blow-ups of multiprojective spaces. Journal of Algebraic Combinatorics, 2013, 38, 797-827.	0.8	0
16	Big rational surfaces. Mathematische Annalen, 2011, 351, 95-107.	1.4	39
17	Frames and degenerations of monomial resolutions. Transactions of the American Mathematical Society, 2011, 363, 2029-2029.	0.9	23
18	Blow-ups of ${f P}^{n-3}$ at n points and spinor varieties. Journal of Commutative Algebra, 2010, 2, .	0.3	13

#	Article	IF	Citations
19	A syzygetic approach to the smoothability of zero-dimensional schemes. Advances in Mathematics, 2010, 224, 1143-1166.	1.1	13
20	Cox rings of degree one del Pezzo surfaces. Algebra and Number Theory, 2009, 3, 729-761.	0.6	14
21	A survey on Cox rings. Geometriae Dedicata, 2009, 139, 269-287.	0.3	21
22	Picard-graded Betti numbers and the defining ideals of Cox rings. Journal of Algebra, 2009, 322, 353-372.	0.7	13
23	Hilbert schemes of 8 points. Algebra and Number Theory, 2009, 3, 763-795.	0.6	54
24	Minimal free resolutions that are not supported by a CW-complex. Journal of Algebra, 2008, 319, 102-114.	0.7	40
25	GrÃ¶bner bases, monomial group actions, and the Cox rings of Del Pezzo surfaces. Journal of Algebra, 2007, 316, 777-801.	0.7	22