

Cordian B Riener

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Vandermonde Varieties, Mirrored Spaces, and the Cohomology of Symmetric Semi-algebraic Sets. Foundations of Computational Mathematics, 2022, 22, 1395-1462.	2.5	4
2	Symmetry Reduction in AM/GM-Based Optimization. SIAM Journal on Optimization, 2022, 32, 765-785.	2.0	6
3	Symmetric Non-Negative Forms and Sums of Squares. Discrete and Computational Geometry, 2021, 65, 764-799.	0.6	12
4	Symmetric ideals, Specht polynomials and solutions to symmetric systems of equations. Journal of Symbolic Computation, 2021, 107, 106-121.	0.8	8
5	On the Isotypic Decomposition of Cohomology Modules of Symmetric Semi-algebraic Sets: Polynomial Bounds on Multiplicities. International Mathematics Research Notices, 2020, 2020, 2054-2113.	1.0	3
6	Reflection groups, reflection arrangements, and invariant real varieties. Proceedings of the American Mathematical Society, 2018, 146, 1031-1045.	0.8	4
7	Optimization approaches to quadrature: New characterizations of Gaussian quadrature on the line and quadrature with few nodes on plane algebraic curves, on the plane and in higher dimensions. Journal of Complexity, 2018, 45, 22-54.	1.3	7
8	Real Root Finding for Equivariant Semi-algebraic Systems. , 2018, , .		4
9	On the equivariant Betti numbers of symmetric definable sets: vanishing, bounds and algorithms. Selecta Mathematica, New Series, 2018, 24, 3241-3281.	1.0	1
10	Bounding the equivariant Betti numbers of symmetric semi-algebraic sets. Advances in Mathematics, 2017, 305, 803-855.	1.1	9
11	On Irreducible Components of Real Exponential Hypersurfaces. Arnold Mathematical Journal, 2017, 3, 423-443.	0.4	0
12	Symmetric semi-algebraic sets and non-negativity of symmetric polynomials. Journal of Pure and Applied Algebra, 2016, 220, 2809-2815.	0.6	10
13	Deciding positivity of multisymmetric polynomials. Journal of Symbolic Computation, 2016, 74, 603-616.	0.8	5
14	Exploiting Symmetries in SDP-Relaxations for Polynomial Optimization. Mathematics of Operations Research, 2013, 38, 122-141.	1.3	59
15	A note on extrema of linear combinations of elementary symmetric functions. Linear and Multilinear Algebra, 2012, 60, 219-224.	1.0	5
16	On the degree and half-degree principle for symmetric polynomials. Journal of Pure and Applied Algebra, 2012, 216, 850-856.	0.6	23
17	On extreme forms in dimension 8. Journal De Theorie Des Nombres De Bordeaux, 2006, 18, 677-682.	0.1	4