

# Cordian B Riener

## List of Publications by Year in descending order

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17  
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docs citations

19  
times ranked

65  
citing authors

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