

# Luke A Oeding

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

325  
citations

933264

10  
h-index

887953

17  
g-index

22  
all docs

22  
docs citations

22  
times ranked

215  
citing authors

#	ARTICLE	IF	CITATIONS
1	Eigenvectors of tensors and algorithms for Waring decomposition. <i>Journal of Symbolic Computation</i> , 2013, 54, 9-35.	0.5	74
2	Homotopy techniques for tensor decomposition and perfect identifiability. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 2019, 2019, 1-22.	0.4	29
3	Set-theoretic defining equations of the variety of principal minors of symmetric matrices. <i>Algebra and Number Theory</i> , 2011, 5, 75-109.	0.3	27
4	The ideal of the trifocal variety. <i>Mathematics of Computation</i> , 2014, 83, 2553-2574.	1.1	26
5	A New Generation of Brain-Computer Interfaces Driven by Discovery of Latent EEG-fMRI Linkages Using Tensor Decomposition. <i>Frontiers in Neuroscience</i> , 2017, 11, 246.	1.4	23
6	Toward a Salmon Conjecture. <i>Experimental Mathematics</i> , 2011, 20, 358-370.	0.5	22
7	Set-theoretic defining equations of the tangential variety of the Segre variety. <i>Journal of Pure and Applied Algebra</i> , 2011, 215, 1516-1527.	0.3	20
8	Hyperdeterminants of polynomials. <i>Advances in Mathematics</i> , 2012, 231, 1308-1326.	0.5	18
9	Tangential varieties of Segre-Veronese varieties. <i>Collectanea Mathematica</i> , 2014, 65, 303-330.	0.4	11
10	Equations for the Fifth Secant Variety of Segre Products of Projective Spaces. <i>Experimental Mathematics</i> , 2016, 25, 94-99.	0.5	11
11	Decomposing tensors into frames. <i>Advances in Applied Mathematics</i> , 2016, 73, 125-153.	0.4	11
12	The quadrifocal variety. <i>Linear Algebra and Its Applications</i> , 2017, 512, 306-330.	0.4	9
13	Secant varieties of $\mathbb{A}^2 \times \mathbb{A}^n$ embedded by $\sigma(1, 2)$ . <i>Journal of the London Mathematical Society</i> , 2012, 85, 121-141.	0.5	7
14	Four Lectures on Secant Varieties. <i>Springer Proceedings in Mathematics and Statistics</i> , 2014, , 101-146.	0.1	7
15	Secant Cumulants and Toric Geometry. <i>International Mathematics Research Notices</i> , 2014, , .	0.5	6
16	The $3 \times 3 \times 3$ Hyperdeterminant as a Polynomial in the Fundamental Invariants for $SL_3(\mathbb{C}) \times SL_3(\mathbb{C}) \times SL_3(\mathbb{C})$ . <i>Mathematics in Computer Science</i> , 2014, 8, 147-156.	0.2	4
17	Computations and equations for Segre-Grassmann hypersurfaces. <i>Portugaliae Mathematica</i> , 2016, 73, 71-90.	0.4	4
18	Symmetrization of principal minors and cycle-sums. <i>Linear and Multilinear Algebra</i> , 2017, 65, 1194-1219.	0.5	4

#	ARTICLE	IF	CITATIONS
19	Learning algebraic models of quantum entanglement. Quantum Information Processing, 2020, 19, 1.	1.0	4
20	Toward Learning in Neuromorphic Circuits Based on Quantum Phase Slip Junctions. Frontiers in Neuroscience, 2021, 15, 765883.	1.4	4
21	On the (non-)vanishing of syzygies of Segre embeddings. Algebraic Geometry, 0, , 571-591.	1.0	3
22	Hyperdeterminants from the E8 discriminant. Journal of Algebra, 2021, 593, 622-622.	0.4	1