

# Louis Rowen

## List of Publications by Year in descending order

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43  
papers

562  
citations

687363

13  
h-index

713466

21  
g-index

49  
all docs

49  
docs citations

49  
times ranked

122  
citing authors

#	ARTICLE	IF	CITATIONS
1	Supertropical algebra. <i>Advances in Mathematics</i> , 2010, 225, 2222-2286.	1.1	68
2	The Tropical Rank of a Tropical Matrix. <i>Communications in Algebra</i> , 2009, 37, 3912-3927.	0.6	64
3	The images of non-commutative polynomials evaluated on $2 \times 2$ matrices. <i>Proceedings of the American Mathematical Society</i> , 2012, 140, 465-478.	0.8	54
4	Supertropical matrix algebra. <i>Israel Journal of Mathematics</i> , 2011, 182, 383-424.	0.8	43
5	Supertropical matrix algebra II: Solving tropical equations. <i>Israel Journal of Mathematics</i> , 2011, 186, 69-96.	0.8	27
6	Supertropical semirings and supervaluations. <i>Journal of Pure and Applied Algebra</i> , 2011, 215, 2431-2463.	0.6	25
7	The images of multilinear polynomials evaluated on $3 \times 3$ matrices. <i>Proceedings of the American Mathematical Society</i> , 2015, 144, 7-19.	0.8	24
8	Power-central polynomials on matrices. <i>Journal of Pure and Applied Algebra</i> , 2016, 220, 2164-2176.	0.6	21
9	Supertropical matrix algebra III: Powers of matrices and their supertropical eigenvalues. <i>Journal of Algebra</i> , 2011, 341, 125-149.	0.7	18
10	The images of Lie polynomials evaluated on matrices. <i>Communications in Algebra</i> , 2017, 45, 4801-4808.	0.6	18
11	Supertropical linear algebra. <i>Pacific Journal of Mathematics</i> , 2013, 266, 43-75.	0.5	16
12	Layered tropical mathematics. <i>Journal of Algebra</i> , 2014, 416, 200-273.	0.7	14
13	Supertropical quadratic forms I. <i>Journal of Pure and Applied Algebra</i> , 2016, 220, 61-93.	0.6	12
14	Decompositions of modules lacking zero sums. <i>Israel Journal of Mathematics</i> , 2018, 225, 503-524.	0.8	10
15	Supertropical polynomials and resultants. <i>Journal of Algebra</i> , 2010, 324, 1860-1886.	0.7	9
16	Coxeter covers of the symmetric groups. <i>Journal of Group Theory</i> , 2005, 8, .	0.2	8
17	Congruences and coordinate semirings of tropical varieties. <i>Bulletin Des Sciences Mathematiques</i> , 2016, 140, 231-259.	1.0	8
18	Kummer spaces in symbol algebras of prime degree. <i>Journal of Pure and Applied Algebra</i> , 2016, 220, 3363-3371.	0.6	6

#	ARTICLE	IF	CITATIONS
19	Grassmann semialgebras and the Cayley-Hamilton theorem. Proceedings of the American Mathematical Society, Series B, 2020, 7, 183-201.	1.1	6
20	Categories of Layered Semirings. Communications in Algebra, 2015, 43, 1807-1836.	0.6	5
21	Minimal orderings and quadratic forms on a free module over a supertropical semiring. Linear Algebra and Its Applications, 2016, 507, 420-461.	0.9	5
22	Supertropical SLn. Linear and Multilinear Algebra, 2018, 66, 1461-1483.	1.0	5
23	Summand absorbing submodules of a module over a semiring. Journal of Pure and Applied Algebra, 2019, 223, 3262-3294.	0.6	5
24	Dominance and Transmissions in Supertropical Valuation Theory. Communications in Algebra, 2013, 41, 2736-2782.	0.6	4
25	Monoid Valuations and Value Ordered Supervaluations. Communications in Algebra, 2015, 43, 3207-3248.	0.6	4
26	Projective systemic modules. Journal of Pure and Applied Algebra, 2020, 224, 106243.	0.6	4
27	Application of Full Quivers of Representations of Algebras, to Polynomial Identities. Communications in Algebra, 2011, 39, 4536-4551.	0.6	3
28	Dual spaces and bilinear forms in supertropical linear algebra. Linear and Multilinear Algebra, 2012, 60, 865-883.	1.0	3
29	Supertropical quadratic forms II: Tropical trigonometry and applications. International Journal of Algebra and Computation, 2018, 28, 1633-1676.	0.5	3
30	Associative and Jordan Algebras Generated by Two Idempotents. Algebras and Representation Theory, 2017, 20, 1495-1504.	0.7	3
31	Unions of chains of primes. Journal of Pure and Applied Algebra, 2016, 220, 1451-1461.	0.6	2
32	Dependence of supertropical eigenspaces. Communications in Algebra, 2017, 45, 924-942.	0.6	2
33	Homology of systemic modules. Manuscripta Mathematica, 0, , 1.	0.6	2
34	Axes of Jordan type in non-commutative algebras. Journal of Algebra and Its Applications, 2023, 22, .	0.4	2
35	Axes in non-associative algebras. Turkish Journal of Mathematics, 2021, 45, 2366-2381.	0.7	2
36	COMPLETIONS, REVERSALS, AND DUALITY FOR TROPICAL VARIETIES. Journal of Algebra and Its Applications, 2011, 10, 1141-1163.	0.4	1

#	ARTICLE	IF	CITATIONS
37	IDEALS OF POLYNOMIAL SEMIRINGS IN TROPICAL MATHEMATICS. Journal of Algebra and Its Applications, 2013, 12, 1250143.	0.4	1
38	Zariski Closed Algebras in Varieties of Universal Algebra. Algebras and Representation Theory, 2014, 17, 1771-1783.	0.7	1
39	Clifford semialgebras. Rendiconti Del Circolo Matematico Di Palermo, 0, , 1.	1.3	1
40	Representability of algebras finite over their centers. Journal of Algebra, 2015, 442, 506-524.	0.7	0
41	On Quaternion Algebras Split by a Given Extension, Clifford Algebras and Hyperelliptic Curves. Algebras and Representation Theory, 2020, 23, 1807-1826.	0.7	0
42	Generation of summand absorbing submodules. Journal of Algebra and Its Applications, 2020, , 2150201.	0.4	0
43	Division algebras with common subfields. Manuscripta Mathematica, 0, , 1.	0.6	0