

Aaron D Lauda

List of Publications by Year in descending order

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33
papers

1,145
citations

623734

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434195

31
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34
all docs

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docs citations

34
times ranked

169
citing authors

#	ARTICLE	IF	CITATIONS
1	A diagrammatic approach to categorification of quantum groups I. Representation Theory, 2009, 13, 309-347.	0.5	338
2	A diagrammatic approach to categorification of quantum groups II. Transactions of the American Mathematical Society, 2011, 363, 2685-2700.	0.9	161
3	A categorification of quantum $\mathfrak{sl}(n)$. Quantum Topology, 2010, 1, 1-92.	0.9	112
4	A categorification of quantum $\mathfrak{sl}(n)$. Advances in Mathematics, 2010, 225, 3327-3424.	1.1	110
5	Crystals from categorified quantum groups. Advances in Mathematics, 2011, 228, 803-861.	1.1	68
6	Open-closed strings: Two-dimensional extended TQFTs and Frobenius algebras. Topology and Its Applications, 2008, 155, 623-666.	0.4	50
7	Implicit structure in 2-representations of quantum groups. Selecta Mathematica, New Series, 2015, 21, 201-244.	1.0	31
8	STATE SUM CONSTRUCTION OF TWO-DIMENSIONAL OPEN-CLOSED TOPOLOGICAL QUANTUM FIELD THEORIES. Journal of Knot Theory and Its Ramifications, 2007, 16, 1121-1163.	0.3	27
9	Khovanov homology is a skew Howe $2n$ -representation of categorified quantum \mathfrak{m} . Algebraic and Geometric Topology, 2015, 15, 2517-2608.	0.4	25
10	Extended graphical calculus for categorified quantum $\mathfrak{sl}(2)$. Memoirs of the American Mathematical Society, 2012, 219, 0-0.	0.9	25
11	The Odd nilHecke Algebra and its Diagrammatics. International Mathematics Research Notices, 2014, 2014, 991-1062.	1.0	20
12	Categorified Quantum $\mathfrak{sl}(2)$ and Equivariant Cohomology of Iterated Flag Varieties. Algebras and Representation Theory, 2011, 14, 253-282.	0.7	19
13	Trace decategorification of the Hecke category. Journal of Algebra, 2016, 449, 615-634.	0.7	18
14	Trace as an Alternative Decategorification Functor. Acta Mathematica Vietnamica, 2014, 39, 425-480.	0.4	17
15	The colored HOMFLYPT function is q -holonomic. Duke Mathematical Journal, 2018, 167, .	1.5	17
16	Trace decategorification of categorified quantum \mathfrak{sl}_2 . Mathematische Annalen, 2017, 367, 397-440.	1.4	15
17	Current algebras and categorified quantum groups. Journal of the London Mathematical Society, 2017, 95, 248-276.	1.0	12
18	An odd categorification of $\mathbb{U}_q(\mathfrak{sl}_2)$. Quantum Topology, 2016, 7, 329-433.	0.9	10

#	ARTICLE	IF	CITATIONS
19	OPEN-CLOSED TQFTS EXTEND KHOVANOV HOMOLOGY FROM LINKS TO TANGLES. Journal of Knot Theory and Its Ramifications, 2009, 18, 87-150.	0.3	9
20	The elliptic Hall algebra and the deformed Khovanov Heisenberg category. Selecta Mathematica, New Series, 2018, 24, 4041-4103.	1.0	9
21	Nilpotency in type A cyclotomic quotients. Journal of Algebraic Combinatorics, 2010, 32, 533-555.	0.8	8
22	W-ALGEBRAS FROM HEISENBERG CATEGORIES. Journal of the Institute of Mathematics of Jussieu, 2018, 17, 981-1017.	0.7	8
23	Cyclicity for categorified quantum groups. Journal of Algebra, 2016, 452, 118-132.	0.7	7
24	Oddification of the Cohomology of Type A Springer Varieties. International Mathematics Research Notices, 2014, 2014, 4822-4854.	1.0	6
25	Categorified quantum sl_2 is an inverse limit of flag 2-categories. Transformation Groups, 2014, 19, 1-26.	0.7	5
26	A categorification of the Casimir of quantum $sl(2)$. Advances in Mathematics, 2012, 230, 1442-1501.	1.1	4
27	Ozsváth-Szabó bordered algebras and subquotients of category $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"} \rangle \langle \text{mml:mi mathvariant="script"} \rangle \text{O} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$. Advances in Mathematics, 2021, 376, 107455.	1.1	3
28	Pseudo-Hermitian Levin-Wen models from non-semisimple TQFTs. Annals of Physics, 2022, 442, 168937.	2.8	2
29	A DG-extension of symmetric functions arising from higher representation theory. Journal of Combinatorial Algebra, 2018, 2, 169-214.	0.3	1
30	Parameters in Categorified Quantum Groups. Algebras and Representation Theory, 2020, 23, 1265-1284.	0.7	1
31	DG structures on odd categorified quantum $sl(2)$. Quantum Topology, 2020, 11, 227-294.	0.9	1
32	Categorification in Representation Theory. International Journal of Mathematics and Mathematical Sciences, 2010, 2010, 1-2.	0.7	0
33	Curved Rickard complexes and link homologies. Journal Fur Die Reine Und Angewandte Mathematik, 2020, 2020, 87-119.	0.9	0