Mike Zabrocki

List of Publications by Year
in descending order

39 papers	394 citations	840776 11 h-index	794594 19 g-index
39 all docs	39 docs citations	39 times ranked	114 citing authors

#	Article	IF	Citations
1	The Hopf structure of symmetric group characters as symmetric functions. Algebraic Combinatorics, 2021, 4, 551-574.	0.3	2
2	Symmetric group characters as symmetric functions. Advances in Mathematics, 2021, 390, 107943.	1.1	8
3	An insertion algorithm on multiset partitions with applications to diagram algebras. Journal of Algebra, 2020, 557, 97-128.	0.7	7
4	Products of symmetric group characters. Journal of Combinatorial Theory - Series A, 2019, 165, 299-324.	0.8	7
5	A proof of the 4-variable Catalan polynomial of the Delta conjecture. Electronic Journal of Combinatorics, 2019, 10, 599-632.	0.1	1
6	Multiplicative structures of the immaculate basis of non-commutative symmetric functions. Journal of Combinatorial Theory - Series A, 2017, 152, 10-44.	0.8	6
7	The Pieri Rule for Dual Immaculate Quasi-Symmetric Functions. Annals of Combinatorics, 2016, 20, 283-300.	0.6	7
8	Symmetries on the Lattice of k-Bounded Partitions. Annals of Combinatorics, 2016, 20, 251-281.	0.6	1
9	A Lift of the Schur and Hall–Littlewood Bases to Non-commutative Symmetric Functions. Canadian Journal of Mathematics, 2014, 66, 525-565.	0.6	38
10	Indecomposable modules for the dual immaculate basis of quasi-symmetric functions. Proceedings of the American Mathematical Society, 2014, 143, 991-1000.	0.8	21
11	A three shuffle case of the compositional parking function conjecture. Journal of Combinatorial Theory - Series A, 2014, 123, 202-238.	0.8	2
12	k-Schur Functions and Affine Schubert Calculus. Fields Institute Monographs, 2014, , .	0.4	12
13	Stanley Symmetric Functions and Peterson Algebras. Fields Institute Monographs, 2014, , 133-168.	0.4	4
14	Primer on k-Schur Functions. Fields Institute Monographs, 2014, , 9-131.	0.4	0
15	Proof of the 2-part compositional shuffle conjecture. Progress in Mathematics, 2014, , 227-257.	0.3	1
16	A new "dinv" arising from the two part case of the shuffle conjecture. Journal of Algebraic Combinatorics, 2013, 37, 683-715.	0.8	1
17	KRONECKER COEFFICIENTS VIA SYMMETRIC FUNCTIONS AND CONSTANT TERM IDENTITIES. International Journal of Algebra and Computation, 2012, 22, 1250022.	0.5	7
18	Hall–Littlewood Operators in the Theory of Parking Functions and Diagonal Harmonics. International Mathematics Research Notices, 2012, 2012, 1264-1299.	1.0	14

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19	Supercharacters, symmetric functions in noncommuting variables, and related Hopf algebras. Advances in Mathematics, 2012, 229, 2310-2337.	1.1	47
20	Words and Polynomial Invariants of Finite Groups in Non-Commutative Variables. Annals of Combinatorics, 2012, 16, 1-36.	0.6	0
21	Expansions of k-Schur Functions in the Affine nilCoxeter Algebra. Electronic Journal of Combinatorics, 2012, 19, .	0.4	3
22	A Compositional Shuffle Conjecture Specifying Touch Points of the Dyck Path. Canadian Journal of Mathematics, 2012, 64, 822-844.	0.6	39
23	Expansion of k-Schur functions for maximal rectangles within the affine nilCoxeter algebra. Electronic Journal of Combinatorics, 2012, 3, 563-589.	0.1	5
24	The Murnaghanâ€"Nakayama rule for k-Schur functions. Journal of Combinatorial Theory - Series A, 2011, 118, 1588-1607.	0.8	13
25	Expressions for Catalan Kronecker products. Pacific Journal of Mathematics, 2010, 248, 31-48.	0.5	12
26	THE HOPF ALGEBRAS OF SYMMETRIC FUNCTIONS AND QUASI-SYMMETRIC FUNCTIONS IN NON-COMMUTATIVE VARIABLES ARE FREE AND CO-FREE. Journal of Algebra and Its Applications, 2009, 08, 581-600.	0.4	41
27	A non-commutative generalization of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:mi>k</mml:mi></mml:math>-Schur functions. Discrete Mathematics, 2009, 309, 5092-5105.	0.7	0
28	Hilbert series of invariants, constant terms and Kostkaâ€"Foulkes polynomials. Discrete Mathematics, 2009, 309, 5206-5230.	0.7	6
29	On the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msub><mml:mi mathvariant="fraktur">S</mml:mi><mml:mi>n</mml:mi></mml:msub></mml:math>-module structure of the noncommutative harmonics. Journal of Combinatorial Theory - Series A, 2008, 115, 1077-1085.	0.8	0
30	Invariants and Coinvariants of the Symmetric Group in Noncommuting Variables. Canadian Journal of Mathematics, 2008, 60, 266-296.	0.6	35
31	Invariants and Coinvariants of the Symmetric Group in Noncommuting Variables. Canadian Journal of Mathematics, 2008, 60, 266.	0.6	1
32	Posets related to the connectivity set of Coxeter groups. Journal of Algebra, 2006, 303, 831-846.	0.7	3
33	Deformed universal characters for classical and affine algebras. Journal of Algebra, 2006, 299, 33-61.	0.7	7
34	q and <mml:math altimg="si5.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x	0.7	11
35	q-Analogs of symmetric function operators. Discrete Mathematics, 2002, 256, 831-853.	0.7	3
36	Hallâ€"Littlewood Vertex Operators and Generalized Kostka Polynomials. Advances in Mathematics, 2001, 158, 66-85.	1.1	19

#	Article	IF	Citations
37	Vertex Operators for Standard Bases of the Symmetric Functions. Journal of Algebraic Combinatorics, 2001, 13, 83-101.	0.8	4
38	Ribbon Operators and Hall–Littlewood Symmetric Functions. Advances in Mathematics, 2000, 156, 33-43.	1.1	3
39	Positivity for Special Cases of (q,t)-Kostka Coefficients and Standard Tableaux Statistics. Electronic Journal of Combinatorics, 1999, 6, .	0.4	3