Matthew Fayers

List of Publications by Year
in descending order

43 papers	356 citations	933447 10 h-index	940533 16 g-index
43 all docs	43 docs citations	43 times ranked	68 citing authors

#	Article	IF	Citations
1	Irreducible projective representations of the alternating group which remain irreducible in characteristic 2. Advances in Mathematics, 2020, 374, 107340.	1.1	2
2	2-chains: An interesting family of posets. Discrete Mathematics, 2020, 343, 111988.	0.7	0
3	Simultaneous core multipartitions. European Journal of Combinatorics, 2019, 76, 138-158.	0.8	1
4	Irreducible projective representations of the symmetric group which remain irreducible in characteristic 2. Proceedings of the London Mathematical Society, 2018, 116, 878-928.	1.3	4
5	Dyck tilings and the homogeneous Garnir relations for graded Specht modules. Journal of Algebraic Combinatorics, 2017, 45, 1041-1082.	0.8	1
6	Generalised column removal for graded homomorphisms between Specht modules. Journal of Algebraic Combinatorics, 2016, 44, 393-432.	0.8	11
7	The irreducible representations of the alternating group which remain irreducible in characteristic ?. Transactions of the American Mathematical Society, 2016, 368, 5807-5855.	0.9	7
8	(s,t)-Cores: a Weighted Version of Armstrong's Conjecture. Electronic Journal of Combinatorics, 2016, 23, .	0.4	4
9	A generalisation of core partitions. Journal of Combinatorial Theory - Series A, 2014, 127, 58-84.	0.8	7
10	A non-recursive criterion for weights of a highest-weight module for an affine Lie algebra. Israel Journal of Mathematics, 2013, 197, 237-261.	0.8	5
11	The reducible Specht modules for the Hecke algebra $\mathcal{H}_{\mathbb{C},{-}1}(\mathfrak{S}_{n})$. Journal of Algebraic Combinatorics, 2013, 37, 201-241.	0.8	3
12	Irreducible Specht modules for Iwahori–Hecke algebras of type B. Representation Theory, 2012, 16, 108-126.	0.5	1
13	Some new decomposable Specht modules. Journal of Algebra, 2012, 357, 235-262.	0.7	14
14	An algorithm for semistandardising homomorphisms. Journal of Algebra, 2012, 364, 38-51.	0.7	2
15	The t-core of an s-core. Journal of Combinatorial Theory - Series A, 2011, 118, 1525-1539.	0.8	12
16	Partition models for the crystal of the basic $U_{q}(\widehat {\mathfrak{sl}}_{n})$ -module. Journal of Algebraic Combinatorics, 2010, 32, 339-370.	0.8	1
17	On the irreducible Specht modules for Iwahori–Hecke algebras of type A with $q = \^{}1$. Journal of Algebra, 2010, 323, 1839-1844.	0.7	4
18	An LLT-type algorithm for computing higher-level canonical bases. Journal of Pure and Applied Algebra, 2010, 214, 2186-2198.	0.6	8

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19	On the irreducible representations of the alternating group which remain irreducible in characteristic ?. Representation Theory, 2010, 14, 601-626.	0.5	6
20	Some reducible Specht modules for Iwahori–Hecke algebras of type A with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>q</mml:mi><mml:mo>=</mml:mo><mml:mo>−</mml:mo><mml:mn>1</mml:mn></mml:math>. Journal of Algebra, 2009, 321, 912-933.	0.7	7
21	General runner removal and the Mullineux map. Journal of Algebra, 2009, 322, 4331-4367.	0.7	5
22	Weights of multipartitions and representations of Ariki–Koike algebras II: Canonical bases. Journal of Algebra, 2008, 319, 2963-2978.	0.7	11
23	Decomposition numbers for weight three blocks of symmetric groups and Iwahori--Hecke algebras. Transactions of the American Mathematical Society, 2008, 360, 1341-1377.	0.9	22
24	An Extension of James's Conjecture. International Mathematics Research Notices, 2007, 2007, .	1.0	3
25	Another runner removal theorem for v-decomposition numbers of Iwahori–Hecke algebras and q-Schur algebras. Journal of Algebra, 2007, 310, 396-404.	0.7	11
26	q-Analogues of regularisation theorems for linear and projective representations of the symmetric group. Journal of Algebra, 2007, 316, 346-367.	0.7	5
27	James's Conjecture holds for weight four blocks of Iwahori–Hecke algebras. Journal of Algebra, 2007, 317, 593-633.	0.7	15
28	Core blocks of Ariki–Koike algebras. Journal of Algebraic Combinatorics, 2007, 26, 47-81.	0.8	7
29	The ordinary quiver of a weight three block of the symmetric group is bipartite. Advances in Mathematics, 2007, 209, 69-98.	1.1	4
30	Weights of multipartitions and representations of Ariki–Koike algebras. Advances in Mathematics, 2006, 206, 112-144.	1.1	31
31	p-restriction of partitions and homomorphisms between Specht modules. Journal of Algebra, 2006, 306, 175-190.	0.7	4
32	Adjustment matrices for weight three blocks of Iwahori–Hecke algebras. Journal of Algebra, 2006, 306, 76-103.	0.7	8
33	Weight two blocks of Iwahori–Hecke algebras of type B. Journal of Algebra, 2006, 303, 154-201.	0.7	5
34	0-Hecke algebras of finite Coxeter groups. Journal of Pure and Applied Algebra, 2005, 199, 27-41.	0.6	25
35	Irreducible Specht modules for Hecke algebras of type A. Advances in Mathematics, 2005, 193, 438-452.	1.1	41
36	Multiple-elimination knockout tournaments with the fixed-win property. Discrete Mathematics, 2005, 290, 89-97.	0.7	0

#	Article	IF	Citations
37	q-Schur Subalgebras. Algebras and Representation Theory, 2005, 8, 415-426.	0.7	1
38	Weight two blocks of Iwahori–Hecke algebras in characteristic two. Mathematical Proceedings of the Cambridge Philosophical Society, 2005, 139, 385.	0.4	7
39	Reducible Specht modules. Journal of Algebra, 2004, 280, 500-504.	0.7	23
40	Row and column removal theorems for homomorphisms between Specht modules. Journal of Pure and Applied Algebra, 2003, 185, 147-164.	0.6	18
41	ON THE STRUCTURE OF SPECHT MODULES. Journal of the London Mathematical Society, 2003, 67, 85-102.	1.0	6
42	On the blocks of [Sfr] over a field of characteristic three. Mathematical Proceedings of the Cambridge Philosophical Society, 2002, 133, 1-29.	0.4	3
43	Schur subalgebras II. Journal of Algebra, 2002, 252, 300-321.	0.7	1