

# Benjamin Sambale

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2353369/publications.pdf>

Version: 2024-02-01

83  
papers

452  
citations

840119

11  
h-index

887659

17  
g-index

85  
all docs

85  
docs citations

85  
times ranked

82  
citing authors

#	ARTICLE	IF	CITATIONS
1	Blocks of Finite Groups and Their Invariants. Lecture Notes in Mathematics, 2014, , .	0.1	35
2	2-blocks with abelian defect groups. Advances in Mathematics, 2014, 254, 706-735.	0.5	28
3	Finite groups whose conjugacy class graphs have few vertices. Archiv Der Mathematik, 2005, 85, 101-107.	0.3	24
4	On the number of conjugacy classes of zeros of characters. Israel Journal of Mathematics, 2004, 142, 163-187.	0.4	19
5	2-Blocks with minimal nonabelian defect groups. Journal of Algebra, 2011, 337, 261-284.	0.4	18
6	Cartan matrices and Brauer's $\frac{1}{4}$ s $k$ $B$ $T$ $ETQq0$ $0$ $0$ $rgBT$ /Overlock 10 Tf 50 532 Td (stretchy="false") $16$	0.4	16
7	Cartan matrices and Brauer's $k$ $B$ $T$ $ETQq1$ $1$ $0.784314$ $rgBT$ /Overlock 10 Tf 50 492 Td (stretchy="false") $15$	0.4	15
8	On Loewy lengths of blocks. Mathematical Proceedings of the Cambridge Philosophical Society, 2014, 156, 555-570.	0.3	14
9	Groups with three real valued irreducible characters. Israel Journal of Mathematics, 2008, 163, 85-92.	0.4	13
10	Extending Brauer's Height Zero Conjecture to Blocks with Nonabelian Defect Groups. International Mathematics Research Notices, 2014, 2014, 5581-5601.	0.5	13
11	2-Blocks with minimal nonabelian defect groups II. Journal of Group Theory, 2012, 15, .	0.2	12
12	A note on Olsson's Conjecture. Journal of Algebra, 2014, 398, 364-385.	0.4	12
13	Title is missing!. International Mathematics Research Notices, 2005, 2005, 3375.	0.5	11
14	The 2-blocks of defect 4. Representation Theory, 2013, 17, 226-236.	0.2	11
15	Finite groups with two conjugacy classes of $p$ -elements and related questions for $p$ -blocks. Bulletin of the London Mathematical Society, 2014, 46, 305-314.	0.4	11
16	Cartan matrices and Brauer's $k(B)$ -conjecture III. Manuscripta Mathematica, 2015, 146, 505-518.	0.3	11
17	Cartan matrices and Brauer's $k(B)$ -conjecture IV. Journal of the Mathematical Society of Japan, 2017, 69, .	0.3	11
18	Characters and Sylow 2-subgroups of maximal class revisited. Journal of Pure and Applied Algebra, 2018, 222, 3721-3732.	0.3	11

#	ARTICLE	IF	CITATIONS
19	HEIGHTS OF CHARACTERS IN BLOCKS OF $p$ -SOLVABLE GROUPS. Bulletin of the London Mathematical Society, 2005, 37, 373-380.	0.4	10
20	Further evidence for conjectures in block theory. Algebra and Number Theory, 2013, 7, 2241-2273.	0.3	9
21	Element orders and Sylow structure of finite groups. Mathematische Zeitschrift, 2006, 252, 223-230.	0.4	8
22	Groups with few $p$ -character degrees in the principal block. Proceedings of the American Mathematical Society, 2020, 148, 4597-4614.	0.4	8
23	Large orbits of $p$ -groups on characters and applications to character degrees. Israel Journal of Mathematics, 2005, 146, 243-251.	0.4	7
24	The groups with exactly one class of size a multiple of $p$ . Journal of Group Theory, 2009, 12, .	0.2	7
25	Blocks with Defect Group $Q_{2^n} \times C_{2^m}$ and $SD_{2^n} \times C_{2^m}$ . Algebras and Representation Theory, 2013, 16, 1717-1732.	0.4	7
26	On the Brauer-Feit bound for abelian defect groups. Mathematische Zeitschrift, 2014, 276, 785-797.	0.4	7
27	Exponent and $p$ -rank of finite $p$ -groups and applications. Archiv Der Mathematik, 2014, 103, 11-20.	0.3	7
28	On the blockwise modular isomorphism problem. Manuscripta Mathematica, 2018, 157, 263-278.	0.3	7
29	Blocks with defect group $Q_{2^n} \times C_{2^m}$ and $SD_{2^n} \times C_{2^m}$ . Algebras and Representation Theory, 2013, 16, 1717-1732.	0.3	6
30	On Blocks with Abelian Defect Groups of Small Rank. Results in Mathematics, 2017, 71, 411-422.	0.4	6
31	Blocks with central product defect group $Q_{2^n} \times C_{2^m}$ . Proceedings of the American Mathematical Society, 2013, 141, 4057-4069.	0.4	5
32	Brauer's height zero conjecture for metacyclic defect groups. Pacific Journal of Mathematics, 2013, 262, 481-507.	0.2	5
33	Broué's isotopy conjecture for the sporadic groups and their covers and automorphism groups. International Journal of Algebra and Computation, 2015, 25, 951-976.	0.4	5
34	On centers of blocks with one simple module. Journal of Algebra, 2017, 472, 339-368.	0.4	5
35	2-Blocks with minimal nonabelian defect groups III. Pacific Journal of Mathematics, 2016, 280, 475-487.	0.2	5
36	Blocks with transitive fusion systems. Journal of Algebra, 2015, 424, 190-207.	0.4	4

#	ARTICLE	IF	CITATIONS
37	Huppert's conjecture for character codegrees. <i>Mathematische Nachrichten</i> , 2021, 294, 2232-2236.	0.4	4
38	A dual version of Huppert's $\tilde{H}$ -conjecture for character codegrees. <i>Forum Mathematicum</i> , 2022, 34, 425-430.	0.3	4
39	The Alperin-McKay Conjecture for metacyclic, minimal non-abelian defect groups. <i>Proceedings of the American Mathematical Society</i> , 2015, 143, 4291-4304.	0.4	3
40	Fusion Systems on Bicyclic 2-Groups. <i>Proceedings of the Edinburgh Mathematical Society</i> , 2016, 59, 989-1018.	0.2	3
41	Character tables and defect groups. <i>Journal of Algebra</i> , 2020, 562, 323-340.	0.4	3
42	Survey on perfect isometries. <i>Rocky Mountain Journal of Mathematics</i> , 2020, 50, .	0.2	3
43	The average number of Sylow subgroups of a finite group. <i>Mathematische Nachrichten</i> , 2014, 287, 1183-1185.	0.4	2
44	Isotypies for the quasisimple groups with exceptional Schur multiplier. <i>Journal of Algebra and Its Applications</i> , 2017, 16, 1750078.	0.3	2
45	A counterexample to Feit's Problem VIII on decomposition numbers. <i>Journal of Algebra</i> , 2017, 477, 494-495.	0.4	2
46	Refinements of the Orthogonality Relations for Blocks. <i>Algebras and Representation Theory</i> , 2017, 20, 1109-1131.	0.4	2
47	Loewy lengths of centers of blocks. <i>Quarterly Journal of Mathematics</i> , 2018, 69, 855-870.	0.3	2
48	BLOCKS WITH SMALL-DIMENSIONAL BASIC ALGEBRA. <i>Bulletin of the Australian Mathematical Society</i> , 2021, 103, 461-474.	0.3	2
49	On the Number of Constituents of Products of Characters. <i>Algebra Colloquium</i> , 2007, 14, 207-208.	0.1	1
50	Conjugacy Classes and Characters of Finite $p$ -Groups. <i>Communications in Algebra</i> , 2011, 39, 657-685.	0.3	1
51	BOUNDING THE NUMBER OF IRREDUCIBLE CHARACTER DEGREES OF A FINITE GROUP IN TERMS OF THE LARGEST DEGREE. <i>Journal of Algebra and Its Applications</i> , 2014, 13, 1350096.	0.3	1
52	On a theorem of Blichfeldt. , 2017, 35, 221-225.		1
53	On defects of characters and decomposition numbers. <i>Algebra and Number Theory</i> , 2017, 11, 1357-1384.	0.3	1
54	Groups whose elements are not conjugate to their powers. <i>Archiv Der Mathematik</i> , 2018, 110, 447-454.	0.3	1

#	ARTICLE	IF	CITATIONS
55	Remarks on Harada's conjecture. Israel Journal of Mathematics, 2018, 228, 513-526.	0.4	1
56	Bounding the number of characters in a block of a finite group. Advances in Mathematics, 2019, 358, 106861.	0.5	1
57	LOEWY LENGTHS OF CENTERS OF BLOCKS II. Nagoya Mathematical Journal, 2019, 234, 127-138.	0.6	1
58	On restriction of characters to defect groups. Journal of Algebra, 2020, 558, 423-433.	0.4	1
59	Orders generated by character values. Monatshefte Fur Mathematik, 2020, 191, 665-678.	0.5	1
60	Weights and Nilpotent Subgroups. International Mathematics Research Notices, 2021, 2021, 2526-2538.	0.5	1
61	Splendid Morita equivalences for principal blocks with semidihedral defect groups. Proceedings of the American Mathematical Society, 2021, 150, 41-53.	0.4	1
62	Restrictions of characters in p-solvable groups. Journal of Algebra, 2021, 587, 130-141.	0.4	1
63	On the size of coset unions. Journal of Algebraic Combinatorics, 2022, 55, 979-987.	0.4	1
64	Blocks with Few Characters. Lecture Notes in Mathematics, 2014, , 219-227.	0.1	1
65	Cartan matrices and Brauer's $k(B)$ -conjecture V. Journal of Algebra, 2022, 606, 670-699.	0.4	1
66	REGULAR ORBITS OF COPRIME LINEAR GROUPS IN LARGE CHARACTERISTIC. Bulletin of the Australian Mathematical Society, 2017, 96, 438-444.	0.3	0
67	A counterexample to a conjecture of Wada. Journal of Algebra, 2017, 489, 582-585.	0.4	0
68	On the projective height zero conjecture. Proceedings of the American Mathematical Society, 2018, 147, 487-488.	0.4	0
69	Solution of Brauer's $k \nmid  B $ $k(B)$ -conjecture for $\ell$ -blocks of $\ell$ -separable groups. Forum Mathematicum, 2018, 30, 1061-1064.	0.3	0
70	Irreducible extensions of characters. Israel Journal of Mathematics, 2019, 234, 629-644.	0.4	0
71	Pseudo Sylow Numbers. American Mathematical Monthly, 2019, 126, 60-65.	0.2	0
72	Pseudo Frobenius numbers. , 2019, 37, 200-206.		0

#	ARTICLE	IF	CITATIONS
73	On a Theorem of Ledermann and Neumann. American Mathematical Monthly, 2020, 127, 827-834.	0.2	0
74	Generalized bases of finite groups. Archiv Der Mathematik, 2021, 117, 9-18.	0.3	0
75	On a bound of Cocke and Venkataraman. Monatshefte Fur Mathematik, 2022, 197, 505-515.	0.5	0
76	Defect Groups of p-Rank 2. Lecture Notes in Mathematics, 2014, , 159-165.	0.1	0
77	Products of Metacyclic Groups. Lecture Notes in Mathematics, 2014, , 95-125.	0.1	0
78	Small Defect Groups. Lecture Notes in Mathematics, 2014, , 181-203.	0.1	0
79	The Cartan Method. Lecture Notes in Mathematics, 2014, , 33-46.	0.1	0
80	Abelian Defect Groups. Lecture Notes in Mathematics, 2014, , 205-217.	0.1	0
81	Minimal Non-abelian Defect Groups. Lecture Notes in Mathematics, 2014, , 167-179.	0.1	0
82	Morita Equivalent Blocks of Symmetric Groups. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 0, , .	0.5	0
83	2-Blocks with minimal nonabelian defect groups III. Pacific Journal of Mathematics, 2016, 280, 475-487.	0.2	0