

Gabriel Navarro

List of Publications by Year in descending order

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174
papers

1,931
citations

394421

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434195

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179
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179
docs citations

179
times ranked

169
citing authors

#	ARTICLE	IF	CITATIONS
1	Decomposition numbers and global properties. <i>Journal of Algebra</i> , 2022, 607, 607-617.	0.7	0
2	Brauer character degrees and Sylow normalizers. <i>Annali Di Matematica Pura Ed Applicata</i> , 2022, 201, 2575-2582.	1.0	1
3	Brauer characters, degrees and subgroups. <i>Bulletin of the London Mathematical Society</i> , 2022, 54, 891-893.	0.8	1
4	Characters, exponents and defects in p -solvable groups. <i>Israel Journal of Mathematics</i> , 2022, 249, 553-576.	0.8	1
5	Weights and Nilpotent Subgroups. <i>International Mathematics Research Notices</i> , 2021, 2021, 2526-2538.	1.0	1
6	On irreducible products of characters. <i>Journal of Algebra</i> , 2021, 573, 38-55.	0.7	0
7	Brauer's Height Zero Conjecture for principal blocks. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 2021, 2021, 119-125.	0.9	13
8	The fields of values of characters of degree not divisible by p . <i>Forum of Mathematics, Pi</i> , 2021, 9, .	2.0	8
9	Irreducible induction and nilpotent subgroups in finite groups. <i>Journal of Algebra</i> , 2020, 561, 200-214.	0.7	0
10	Decomposition numbers and local properties. <i>Journal of Algebra</i> , 2020, 558, 620-639.	0.7	1
11	Brauer's height zero conjecture for two primes. <i>Mathematische Zeitschrift</i> , 2020, 295, 1723-1732.	0.9	5
12	What do the modular characters know?. <i>Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas</i> , 2020, 114, 1.	1.2	0
13	Centers of Sylow subgroups and automorphisms. <i>Israel Journal of Mathematics</i> , 2020, 240, 253-266.	0.8	2
14	A reduction theorem for the Galois-McKay conjecture. <i>Transactions of the American Mathematical Society</i> , 2020, 373, 6157-6183.	0.9	13
15	On principal indecomposable degrees and Sylow subgroups. <i>Archiv Der Mathematik</i> , 2020, 115, 489-493.	0.5	0
16	Real constituents of permutation characters. <i>Journal of Algebra</i> , 2020, , .	0.7	1
17	Fields of values of odd-degree irreducible characters. <i>Advances in Mathematics</i> , 2019, 354, 106757.	1.1	9
18	Irreducible extensions of characters. <i>Israel Journal of Mathematics</i> , 2019, 234, 629-644.	0.8	0

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19	Sylow subgroups, exponents, and character values. Transactions of the American Mathematical Society, 2019, 372, 4263-4291.	0.9	12
20	Representations of Finite Groups. Oberwolfach Reports, 2019, 16, 841-895.	0.0	0
21	On a question of C. Bonnafant on characters and multiplicity free constituents. Journal of Algebra, 2019, 520, 517-519.	0.7	8
22	Order of products of elements in finite groups. Journal of the London Mathematical Society, 2019, 99, 535-552.	1.0	3
23	On Real and Rational Characters in Blocks. International Mathematics Research Notices, 2019, 2019, 1955-1973.	1.0	1
24	Restricting irreducible characters to Sylow p -subgroups. Proceedings of the American Mathematical Society, 2018, 146, 1963-1976.	0.8	9
25	Characters and Sylow 2-subgroups of maximal class revisited. Journal of Pure and Applied Algebra, 2018, 222, 3721-3732.	0.6	11
26	On 2-Brauer characters of odd degree. Mathematische Zeitschrift, 2018, 290, 469-483.	0.9	1
27	On blocks with one modular character. Forum Mathematicum, 2018, 30, 57-73.	0.7	4
28	On the blockwise modular isomorphism problem. Manuscripta Mathematica, 2018, 157, 263-278.	0.6	7
29	Brauer correspondent blocks with one simple module. Transactions of the American Mathematical Society, 2018, 371, 903-922.	0.9	5
30	Sylow Subgroups and Fusion of Characters. Mediterranean Journal of Mathematics, 2018, 15, 1.	0.8	0
31	Character Tables and Sylow Subgroups Revisited. Indian Statistical Institute Series, 2018, , 197-206.	0.1	2
32	Character restrictions and multiplicities in symmetric groups. Journal of Algebra, 2017, 478, 271-282.	0.7	15
33	A counterexample to Feit's Problem VIII on decomposition numbers. Journal of Algebra, 2017, 477, 494-495.	0.7	2
34	Coprime actions and correspondences of Brauer characters. Proceedings of the London Mathematical Society, 2017, 114, 589-613.	1.3	6
35	Injective restriction of characters. Archiv Der Mathematik, 2017, 108, 437-439.	0.5	1
36	2-Brauer correspondent blocks with one simple module. Journal of Algebra, 2017, 488, 230-243.	0.7	5

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37	Defect zero characters predicted by local structure. Bulletin of the London Mathematical Society, 2017, 49, 443-448.	0.8	0
38	On defects of characters and decomposition numbers. Algebra and Number Theory, 2017, 11, 1357-1384.	0.6	1
39	Certain irreducible characters over a normal subgroup. Journal of Group Theory, 2017, 20, .	0.2	0
40	Restriction of Odd Degree Characters and Natural Correspondences. International Mathematics Research Notices, 2016, , rnw174.	1.0	5
41	Finite groups with odd Sylow normalizers. Proceedings of the American Mathematical Society, 2016, 144, 5129-5139.	0.8	4
42	Real groups and Sylow 2-subgroups. Advances in Mathematics, 2016, 299, 331-360.	1.1	11
43	A Brauer-Wielandt formula (with an application to character tables). Proceedings of the American Mathematical Society, 2016, 144, 4199-4204.	0.8	6
44	Variations on the Itz-Michler theorem on character degrees. Rocky Mountain Journal of Mathematics, 2016, 46, .	0.4	10
45	Irreducible representations of odd degree. Mathematische Annalen, 2016, 365, 1155-1185.	1.4	16
46	Characters, bilinear forms and solvable groups. Journal of Algebra, 2016, 449, 346-354.	0.7	2
47	Squaring a conjugacy class and cosets of normal subgroups. Proceedings of the American Mathematical Society, 2015, 144, 1939-1945.	0.8	17
48	Nilpotent and abelian Hall subgroups in finite groups. Transactions of the American Mathematical Society, 2015, 368, 2497-2513.	0.9	15
49	Abelian Sylow subgroups in a finite group, II. Journal of Algebra, 2015, 421, 3-11.	0.7	16
50	On the orders of real elements of solvable groups. Israel Journal of Mathematics, 2015, 210, 1-21.	0.8	5
51	p -parts of character degrees. Journal of the London Mathematical Society, 2015, 92, 483-497.	1.0	14
52	A characterisation of nilpotent blocks. Proceedings of the American Mathematical Society, 2015, 143, 5129-5138.	0.8	12
53	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.	0.8	11
54	Pronormal subgroups and zeros of characters. Proceedings of the American Mathematical Society, 2014, 142, 3003-3005.	0.8	2

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55	Nilpotent and perfect groups with the same set of character degrees. <i>Journal of Algebra and Its Applications</i> , 2014, 13, 1450061.	0.4	6
56	Groups with exactly one irreducible character of degree divisible by p . <i>Algebra and Number Theory</i> , 2014, 8, 397-428.	0.6	7
57	On Brauer's Height Zero Conjecture. <i>Journal of the European Mathematical Society</i> , 2014, 16, 695-747.	1.4	40
58	McKay natural correspondences on characters. <i>Algebra and Number Theory</i> , 2014, 8, 1839-1856.	0.6	18
59	Abelian Sylow subgroups in a finite group. <i>Journal of Algebra</i> , 2014, 398, 519-526.	0.7	21
60	On fully ramified Brauer characters. <i>Advances in Mathematics</i> , 2014, 257, 248-265.	1.1	5
61	The set of conjugacy class sizes of a finite group does not determine its solvability. <i>Journal of Algebra</i> , 2014, 411, 47-49.	0.7	4
62	Character correspondences in blocks with normal defect groups. <i>Journal of Algebra</i> , 2014, 398, 396-406.	0.7	4
63	The set of character degrees of a finite group does not determine its solvability. <i>Proceedings of the American Mathematical Society</i> , 2014, 143, 989-990.	0.8	13
64	Brauer characters and rationality. <i>Mathematische Zeitschrift</i> , 2014, 276, 1101-1112.	0.9	4
65	p -Parts of Brauer character degrees. <i>Journal of Algebra</i> , 2014, 403, 426-438.	0.7	1
66	p -Parts of character degrees and the index of the Fitting subgroup. <i>Journal of Algebra</i> , 2014, 411, 182-190.	0.7	13
67	Finite groups whose same degree characters are Galois conjugate. <i>Israel Journal of Mathematics</i> , 2013, 198, 283-331.	0.8	6
68	Characters of relative p' -degree over normal subgroups. <i>Annals of Mathematics</i> , 2013, 178, 1135-1171.	4.2	43
69	Degrees and p -rational characters. <i>Bulletin of the London Mathematical Society</i> , 2012, 44, 1246-1250.	0.8	6
70	Certain monomial characters of p^2 -degree. <i>Archiv Der Mathematik</i> , 2012, 99, 407-411.	0.5	1
71	Sylow 2-subgroups of rational solvable groups. <i>Mathematische Zeitschrift</i> , 2012, 272, 937-945.	0.9	9
72	Characterizing normal Sylow p -subgroups by character degrees. <i>Journal of Algebra</i> , 2012, 370, 402-406.	0.7	16

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73	Irreducible characters taking root of unity values on p -singular elements. Proceedings of the American Mathematical Society, 2012, 140, 3785-3792.	0.8	2
74	Brauer's height zero conjecture for the 2-blocks of maximal defect. Journal Fur Die Reine Und Angewandte Mathematik, 2012, 2012, .	0.9	13
75	Finite Groups with Only One NonLinear Irreducible Representation. Communications in Algebra, 2012, 40, 4324-4329.	0.6	3
76	The finite groups with no real p -elements. Israel Journal of Mathematics, 2012, 192, 831-840.	0.8	9
77	On endo-trivial modules for p -solvable groups. Mathematische Zeitschrift, 2012, 270, 983-987.	0.9	12
78	p -groups having few almost-rational irreducible characters. Israel Journal of Mathematics, 2012, 189, 65-96.	0.8	10
79	Groups whose real irreducible characters have degrees coprime to p . Journal of Algebra, 2012, 356, 195-206.	0.7	11
80	Real class sizes and real character degrees. Mathematical Proceedings of the Cambridge Philosophical Society, 2011, 150, 47-71.	0.4	10
81	Solvable groups having only three rational classes of 2-elements. Archiv Der Mathematik, 2011, 97, 199-206.	0.5	3
82	A reduction theorem for the Alperin weight conjecture. Inventiones Mathematicae, 2011, 184, 529-565.	2.5	39
83	The number of lifts of a Brauer character with a normal vertex. Journal of Algebra, 2011, 328, 484-487.	0.7	4
84	Blocks with equal height zero degrees. Transactions of the American Mathematical Society, 2011, 363, 6647-6669.	0.9	22
85	Normal p -complements and fixed elements. Archiv Der Mathematik, 2010, 95, 207-211.	0.5	12
86	Degrees of rational characters of finite groups. Advances in Mathematics, 2010, 224, 1121-1142.	1.1	23
87	Non-vanishing elements of finite groups. Journal of Algebra, 2010, 323, 540-545.	0.7	19
88	On p -Brauer characters of p^2 -degree and self-normalizing Sylow p -subgroups. Journal of Group Theory, 2010, 13, .	0.2	9
89	Rationality and Sylow 2-subgroups. Proceedings of the Edinburgh Mathematical Society, 2010, 53, 787-798.	0.3	5
90	Group elements and fields of character values. Journal of Group Theory, 2009, 12, .	0.2	4

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91	The groups with exactly one class of size a multiple of p . <i>Journal of Group Theory</i> , 2009, 12, .	0.2	7
92	Real characters and degrees. <i>Israel Journal of Mathematics</i> , 2009, 171, 157-173.	0.8	24
93	Large orbits of elements centralized by a Sylow subgroup. <i>Archiv Der Mathematik</i> , 2009, 93, 299-304.	0.5	4
94	Quadratic characters in groups of odd order. <i>Journal of Algebra</i> , 2009, 322, 2586-2589.	0.7	3
95	Groups with just one character degree divisible by a given prime. <i>Transactions of the American Mathematical Society</i> , 2009, 361, 6521-6547.	0.9	12
96	Rational irreducible characters and rational conjugacy classes in finite groups. <i>Transactions of the American Mathematical Society</i> , 2008, 360, 2443-2465.	0.9	53
97	Correspondences between constituents of projective characters. <i>Archiv Der Mathematik</i> , 2008, 90, 289-294.	0.5	3
98	Primes dividing the degrees of the real characters. <i>Mathematische Zeitschrift</i> , 2008, 259, 755-774.	0.9	43
99	Groups with three real valued irreducible characters. <i>Israel Journal of Mathematics</i> , 2008, 163, 85-92.	0.8	13
100	Rationality and normal 2-complements. <i>Journal of Algebra</i> , 2008, 320, 2451-2454.	0.7	6
101	Character sums and double cosets. <i>Journal of Algebra</i> , 2008, 320, 3749-3764.	0.7	12
102	Brauer characters with cyclotomic field of values. <i>Journal of Pure and Applied Algebra</i> , 2008, 212, 628-635.	0.6	34
103	Sylow Normalizers with a Normal Sylow 2-Subgroup. <i>Proceedings of the Edinburgh Mathematical Society</i> , 2008, 51, 779-783.	0.3	2
104	Degrees of Characters and Values on Prime Order Elements. <i>Communications in Algebra</i> , 2008, 36, 678-679.	0.6	0
105	Fields, values and character extensions in finite groups. <i>Journal of Group Theory</i> , 2007, 10, .	0.2	2
106	p -rational characters and self-normalizing Sylow p -subgroups. <i>Representation Theory</i> , 2007, 11, 84-94.	0.5	26
107	Groups with two real Brauer characters. <i>Journal of Algebra</i> , 2007, 307, 891-898.	0.7	11
108	The minimal number of characters over a normal p -subgroup. <i>Journal of Algebra</i> , 2007, 312, 207-217.	0.7	1

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109	A reduction theorem for the McKay conjecture. <i>Inventiones Mathematicae</i> , 2007, 170, 33-101.	2.5	101
110	Fields of values of Fong characters. <i>Archiv Der Mathematik</i> , 2006, 86, 305-309.	0.5	2
111	Inequalities for some blocks of finite groups. <i>Archiv Der Mathematik</i> , 2006, 87, 390-399.	0.5	10
112	Rational Brauer characters. <i>Mathematische Annalen</i> , 2006, 335, 675-686.	1.4	6
113	Element orders and Sylow structure of finite groups. <i>Mathematische Zeitschrift</i> , 2006, 252, 223-230.	0.9	8
114	Characters of p -degree with cyclotomic field of values. <i>Proceedings of the American Mathematical Society</i> , 2006, 134, 2833-2837.	0.8	6
115	A characteristic subgroup and kernels of Brauer characters. <i>Bulletin of the Australian Mathematical Society</i> , 2005, 72, 381-384.	0.5	0
116	Block separation in solvable groups. <i>Archiv Der Mathematik</i> , 2005, 85, 293-296.	0.5	6
117	HEIGHTS OF CHARACTERS IN BLOCKS OF p -SOLVABLE GROUPS. <i>Bulletin of the London Mathematical Society</i> , 2005, 37, 373-380.	0.8	10
118	Blocks with p -power character degrees. <i>Proceedings of the American Mathematical Society</i> , 2005, 133, 2845-2851.	0.8	7
119	Field equivalent finite groups. <i>Mathematische Zeitschrift</i> , 2004, 248, 795-803.	0.9	1
120	Real characters of p^2 -degree. <i>Journal of Algebra</i> , 2004, 278, 611-620.	0.7	10
121	Actions and characters in blocks. <i>Journal of Algebra</i> , 2004, 275, 471-480.	0.7	13
122	The McKay conjecture and Galois automorphisms. <i>Annals of Mathematics</i> , 2004, 160, 1129-1140.	4.2	73
123	Characters that agree on prime-power-order elements. <i>Journal of Algebra</i> , 2003, 263, 246-254.	0.7	0
124	Linear characters of Sylow subgroups. <i>Journal of Algebra</i> , 2003, 269, 589-598.	0.7	20
125	A new character correspondence in groups of odd order. <i>Journal of Algebra</i> , 2003, 268, 8-21.	0.7	4
126	On the Fundamental Theorem of Finite Abelian Groups. <i>American Mathematical Monthly</i> , 2003, 110, 153.	0.3	0

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127	Number of Sylow subgroups in p -solvable groups. Proceedings of the American Mathematical Society, 2003, 131, 3019-3020.	0.8	12
128	Self-normalizing Sylow subgroups. Proceedings of the American Mathematical Society, 2003, 132, 973-979.	0.8	30
129	On the Fundamental Theorem of Finite Abelian Groups. American Mathematical Monthly, 2003, 110, 153-154.	0.3	1
130	New Refinements of the McKay Conjecture for Arbitrary Finite Groups. Annals of Mathematics, 2002, 156, 333.	4.2	52
131	Vertices for characters of p -solvable groups. Transactions of the American Mathematical Society, 2002, 354, 2759-2773.	0.9	20
132	Induction of Characters and p -Subgroups. Journal of Algebra, 2002, 250, 217-228.	0.7	6
133	Sylow normalizers and character tables, II. Israel Journal of Mathematics, 2002, 132, 277-283.	0.8	0
134	HALL SUBGROUPS AND STABLE BRAUER CHARACTERS. Proceedings of the Edinburgh Mathematical Society, 2001, 44, 111-115.	0.3	0
135	Restriction of characters to Sylow normalizers. Glasgow Mathematical Journal, 2001, 43, .	0.3	0
136	VARIATIONS ON THOMPSON'S CHARACTER DEGREE THEOREM. Glasgow Mathematical Journal, 2001, 44, 371-374.	0.3	2
137	Characters of p^2 -Degree of p -Solvable Groups. Journal of Algebra, 2001, 246, 394-413.	0.7	20
138	CHARACTERS INDUCED FROM FULLY RAMIFIED SUBGROUPS. Communications in Algebra, 2001, 29, 1829-1840.	0.6	0
139	Induction of Characters, Kernels and Local Subgroups. Rocky Mountain Journal of Mathematics, 2001, 31, .	0.4	0
140	A submatrix of the character table. Bulletin of the Australian Mathematical Society, 2000, 62, 525-528.	0.5	0
141	Sylow Normalizers and Brauer Character Degrees. Journal of Algebra, 2000, 229, 623-631.	0.7	1
142	Brauer Characters Relative to a Normal Subgroup. Proceedings of the London Mathematical Society, 2000, 81, 55-71.	1.3	8
143	Zeros of characters of finite groups. Journal of Group Theory, 2000, 3, .	0.2	29
144	Partial characters with respect to a normal subgroup. Journal of the Australian Mathematical Society Series A Pure Mathematics and Statistics, 1999, 66, 104-124.	0.3	4

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145	A partition of characters associated to nilpotent subgroups. Israel Journal of Mathematics, 1999, 114, 359-380.	0.8	5
146	Finite Group Elements where No Irreducible Character Vanishes. Journal of Algebra, 1999, 222, 413-423.	0.7	63
147	Zeros of Primitive Characters in Solvable Groups. Journal of Algebra, 1999, 221, 644-650.	0.7	11
148	Character degrees and local subgroups of π -separable groups. Proceedings of the American Mathematical Society, 1998, 126, 2599-2605.	0.8	5
149	Character degrees, derived length and Sylow normalizers. Archiv Der Mathematik, 1997, 68, 450-453.	0.5	1
150	Actions and Invariant Character Degrees III. Journal of Algebra, 1997, 191, 141-148.	0.7	2
151	New Properties of the π -Special Characters. Journal of Algebra, 1997, 187, 203-213.	0.7	8
152	Bases for induced characters. Journal of the Australian Mathematical Society Series A Pure Mathematics and Statistics, 1996, 61, 369-376.	0.3	4
153	A conjecture on the number of conjugacy classes in π -solvable group. Israel Journal of Mathematics, 1996, 93, 185-188.	0.8	4
154	Actions and Invariant Character Degrees, II. Journal of Algebra, 1996, 184, 397-406.	0.7	3
155	Coprime Actions, Fixed-Point Subgroups and Irreducible Induced Characters. Journal of Algebra, 1996, 185, 125-143.	0.7	6
156	Coprime action, characters and decomposition numbers. Archiv Der Mathematik, 1996, 67, 192-194.	0.5	0
157	Inducing characters and nilpotent subgroups. Proceedings of the American Mathematical Society, 1996, 124, 3281-3284.	0.8	3
158	Characters with stable irreducible constituents. Journal of Algebra, 1995, 172, 320-334.	0.7	7
159	Relative Character Correspondences in Finite Groups. Canadian Journal of Mathematics, 1995, 47, 718-727.	0.6	4
160	Constituents of the product of characters in odd order groups.. Journal Fur Die Reine Und Angewandte Mathematik, 1995, 1995, 1-12.	0.9	0
161	On the number of covering blocks. Communications in Algebra, 1995, 23, 3165-3172.	0.6	0
162	Primitive characters of subgroups of M -groups. Mathematische Zeitschrift, 1995, 218, 439-445.	0.9	8

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163	Nilpotent characters. Pacific Journal of Mathematics, 1995, 169, 343-351.	0.5	4
164	p-Brauer characters of q-defect 0. Manuscripta Mathematica, 1994, 84, 379-388.	0.6	0
165	Some Open Problems on Coprime Action and Character Correspondences. Bulletin of the London Mathematical Society, 1994, 26, 513-522.	0.8	15
166	Weights, vertices and a correspondence of characters in groups of odd order. Mathematische Zeitschrift, 1993, 212, 535-544.	0.9	7
167	Blocks of small defect. Proceedings of the American Mathematical Society, 1992, 114, 881-881.	0.8	9
168	Fong Characters and Correspondences in ℓ -Separable Groups. Canadian Journal of Mathematics, 1991, 43, 405-412.	0.6	6
169	Character correspondences and irreducible induction and restriction. Journal of Algebra, 1991, 140, 131-140.	0.7	28
170	Regular orbits of hall ℓ -subgroups. Manuscripta Mathematica, 1991, 70, 255-260.	0.6	6
171	Two groups with isomorphic group algebras. Archiv Der Mathematik, 1990, 55, 35-37.	0.5	7
172	On the Glauberman correspondence. Proceedings of the American Mathematical Society, 1989, 105, 52-52.	0.8	2
173	Certain monomial characters and their normal constituents. , 0, , 436-438.		0
174	ON ALPERIN'S LOWER BOUND FOR THE NUMBER OF BRAUER CHARACTERS. Transformation Groups, 0, , 1.	0.7	1