Gabriel Navarro

List of Publications by Year
in descending order

174 papers	1,931 citations	394421 19 h-index	434195 31 g-index
179 all docs	179 docs citations	179 times ranked	169 citing authors

#	Article	IF	Citations
1	A reduction theorem for the McKay conjecture. Inventiones Mathematicae, 2007, 170, 33-101.	2.5	101
2	The McKay conjecture and Galois automorphisms. Annals of Mathematics, 2004, 160, 1129-1140.	4.2	73
3	Finite Group Elements where No Irreducible Character Vanishes. Journal of Algebra, 1999, 222, 413-423.	0.7	63
4	Rational irreducible characters and rational conjugacy classes in finite groups. Transactions of the American Mathematical Society, 2008, 360, 2443-2465.	0.9	53
5	New Refinements of the McKay Conjecture for Arbitrary Finite Groups. Annals of Mathematics, 2002, 156, 333.	4.2	52
6	Primes dividing the degrees of the real characters. Mathematische Zeitschrift, 2008, 259, 755-774.	0.9	43
7	Characters of relative p'-degree over normal subgroups. Annals of Mathematics, 2013, 178, 1135-1171.	4.2	43
8	On Brauer's Height Zero Conjecture. Journal of the European Mathematical Society, 2014, 16, 695-747.	1.4	40
9	A reduction theorem for the Alperin weight conjecture. Inventiones Mathematicae, 2011, 184, 529-565.	2.5	39
10	Brauer characters with cyclotomic field of values. Journal of Pure and Applied Algebra, 2008, 212, 628-635.	0.6	34
11	Self-normalizing Sylow subgroups. Proceedings of the American Mathematical Society, 2003, 132, 973-979.	0.8	30
12	Zeros of characters of finite groups. Journal of Group Theory, 2000, 3, .	0.2	29
13	Character correspondences and irreducible induction and restriction. Journal of Algebra, 1991, 140, 131-140.	0.7	28
14	?-rational characters and self-normalizing Sylow ?-subgroups. Representation Theory, 2007, 11, 84-94.	0.5	26
15	Real characters and degrees. Israel Journal of Mathematics, 2009, 171, 157-173.	0.8	24
16	Degrees of rational characters of finite groups. Advances in Mathematics, 2010, 224, 1121-1142.	1.1	23
17	Blocks with equal height zero degrees. Transactions of the American Mathematical Society, 2011, 363, 6647-6669.	0.9	22
18	Abelian Sylow subgroups in a finite group. Journal of Algebra, 2014, 398, 519-526.	0.7	21

#	ARTICLE	IF	CITATIONS
19	Characters of pâ€²-Degree of p-Solvable Groups. Journal of Algebra, 2001, 246, 394-413.	0.7	20
20	Vertices for characters of p-solvable groups. Transactions of the American Mathematical Society, 2002, 354, 2759-2773.	0.9	20
21	Linear characters of Sylow subgroups. Journal of Algebra, 2003, 269, 589-598.	0.7	20
22	Non-vanishing elements of finite groups. Journal of Algebra, 2010, 323, 540-545.	0.7	19
23	McKay natural correspondences on characters. Algebra and Number Theory, 2014, 8, 1839-1856.	0.6	18
24	Squaring a conjugacy class and cosets of normal subgroups. Proceedings of the American Mathematical Society, 2015, 144, 1939-1945.	0.8	17
25	Characterizing normal Sylow p-subgroups by character degrees. Journal of Algebra, 2012, 370, 402-406.	0.7	16
26	Abelian Sylow subgroups in a finite group, II. Journal of Algebra, 2015, 421, 3-11.	0.7	16
27	Irreducible representations of odd degree. Mathematische Annalen, 2016, 365, 1155-1185.	1.4	16
28	Some Open Problems on Coprime Action and Character Correspondences. Bulletin of the London Mathematical Society, 1994, 26, 513-522.	0.8	15
29	Nilpotent and abelian Hall subgroups in finite groups. Transactions of the American Mathematical Society, 2015, 368, 2497-2513.	0.9	15
30	Character restrictions and multiplicities in symmetric groups. Journal of Algebra, 2017, 478, 271-282.	0.7	15
31	p-parts of character degrees. Journal of the London Mathematical Society, 2015, 92, 483-497.	1.0	14
32	Actions and characters in blocks. Journal of Algebra, 2004, 275, 471-480.	0.7	13
33	Groups with three real valued irreducible characters. Israel Journal of Mathematics, 2008, 163, 85-92.	0.8	13
34	Brauer's height zero conjecture for the 2-blocks of maximal defect. Journal Fur Die Reine Und Angewandte Mathematik, 2012, 2012, .	0.9	13
35	The set of character degrees of a finite group does not determine its solvability. Proceedings of the American Mathematical Society, 2014, 143, 989-990.	0.8	13
36	p-Parts of character degrees and the index of the Fitting subgroup. Journal of Algebra, 2014, 411, 182-190.	0.7	13

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37	A reduction theorem for the Galois–McKay conjecture. Transactions of the American Mathematical Society, 2020, 373, 6157-6183.	0.9	13
38	Brauer's Height Zero Conjecture for principal blocks. Journal Fur Die Reine Und Angewandte Mathematik, 2021, 2021, 119-125.	0.9	13
39	Number of Sylow subgroups in p-solvable groups. Proceedings of the American Mathematical Society, 2003, 131, 3019-3020.	0.8	12
40	Character sums and double cosets. Journal of Algebra, 2008, 320, 3749-3764.	0.7	12
41	Groups with just one character degree divisible by a given prime. Transactions of the American Mathematical Society, 2009, 361, 6521-6547.	0.9	12
42	Normal p-complements and fixed elements. Archiv Der Mathematik, 2010, 95, 207-211.	0.5	12
43	On endo-trivial modules for p-solvable groups. Mathematische Zeitschrift, 2012, 270, 983-987.	0.9	12
44	A characterisation of nilpotent blocks. Proceedings of the American Mathematical Society, 2015, 143, 5129-5138.	0.8	12
45	Sylow subgroups, exponents, and character values. Transactions of the American Mathematical Society, 2019, 372, 4263-4291.	0.9	12
46	Zeros of Primitive Characters in Solvable Groups. Journal of Algebra, 1999, 221, 644-650.	0.7	11
47	Groups with two real Brauer characters. Journal of Algebra, 2007, 307, 891-898.	0.7	11
48	Groups whose real irreducible characters have degrees coprime to p. Journal of Algebra, 2012, 356, 195-206.	0.7	11
49	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
50	Real groups and Sylow 2-subgroups. Advances in Mathematics, 2016, 299, 331-360.	1.1	11
51	Characters and Sylow 2-subgroups of maximal class revisited. Journal of Pure and Applied Algebra, 2018, 222, 3721-3732.	0.6	11
52	Real characters of p'-degree. Journal of Algebra, 2004, 278, 611-620.	0.7	10
53	HEIGHTS OF CHARACTERS IN BLOCKS OF p-SOLVABLE GROUPS. Bulletin of the London Mathematical Society, 2005, 37, 373-380.	0.8	10
54	Inequalities for some blocks of finite groups. Archiv Der Mathematik, 2006, 87, 390-399.	0.5	10

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55	Real class sizes and real character degrees. Mathematical Proceedings of the Cambridge Philosophical Society, 2011, 150, 47-71.	0.4	10
56	p-groups having few almost-rational irreducible characters. Israel Journal of Mathematics, 2012, 189, 65-96.	0.8	10
57	Variations on the Itô-Michler theorem on character degrees. Rocky Mountain Journal of Mathematics, 2016, 46, .	0.4	10
58	Blocks of small defect. Proceedings of the American Mathematical Society, 1992, 114, 881-881.	0.8	9
59	On p-Brauer characters of p′-degree and self-normalizing Sylow p-subgroups. Journal of Group Theory, 2010, 13, .	0.2	9
60	Sylow 2-subgroups of rational solvable groups. Mathematische Zeitschrift, 2012, 272, 937-945.	0.9	9
61	The finite groups with no real p-elements. Israel Journal of Mathematics, 2012, 192, 831-840.	0.8	9
62	Restricting irreducible characters to Sylow ?-subgroups. Proceedings of the American Mathematical Society, 2018, 146, 1963-1976.	0.8	9
63	Fields of values of odd-degree irreducible characters. Advances in Mathematics, 2019, 354, 106757.	1.1	9
64	Primitive characters of subgroups of M-groups. Mathematische Zeitschrift, 1995, 218, 439-445.	0.9	8
65	New Properties of the π-Special Characters. Journal of Algebra, 1997, 187, 203-213.	0.7	8
66	Brauer Characters Relative to a Normal Subgroup. Proceedings of the London Mathematical Society, 2000, 81, 55-71.	1.3	8
67	Element orders and Sylow structure of finite groups. Mathematische Zeitschrift, 2006, 252, 223-230.	0.9	8
68	On a question of C. Bonnafé on characters and multiplicity free constituents. Journal of Algebra, 2019, 520, 517-519.	0.7	8
69	The fields of values of characters of degree not divisible by p. Forum of Mathematics, Pi, 2021, 9, .	2.0	8
70	Two groups with isomorphic group algebras. Archiv Der Mathematik, 1990, 55, 35-37.	0.5	7
71	Weights, vertices and a correspondence of characters in groups of odd order. Mathematische Zeitschrift, 1993, 212, 535-544.	0.9	7
72	Characters with stable irreducible constituents. Journal of Algebra, 1995, 172, 320-334.	0.7	7

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73	Blocks with p-power character degrees. Proceedings of the American Mathematical Society, 2005, 133, 2845-2851.	0.8	7
74	The groups with exactly one class of size a multiple of p. Journal of Group Theory, 2009, 12, .	0.2	7
75	Groups with exactly one irreducible character of degree divisible by<i>p</i>. Algebra and Number Theory, 2014, 8, 397-428.	0.6	7
76	On the blockwise modular isomorphism problem. Manuscripta Mathematica, 2018, 157, 263-278.	0.6	7
77	Fong Characters and Correspondences in Ï€-Separable Groups. Canadian Journal of Mathematics, 1991, 43, 405-412.	0.6	6
78	Regular orbits of hall Ï€-subgroups. Manuscripta Mathematica, 1991, 70, 255-260.	0.6	6
79	Coprime Actions, Fixed-Point Subgroups and Irreducible Induced Characters. Journal of Algebra, 1996, 185, 125-143.	0.7	6
80	Induction of Characters and p-Subgroups. Journal of Algebra, 2002, 250, 217-228.	0.7	6
81	Block separation in solvable groups. Archiv Der Mathematik, 2005, 85, 293-296.	0.5	6
82	Rational Brauer characters. Mathematische Annalen, 2006, 335, 675-686.	1.4	6
83	Rationality and normal 2-complements. Journal of Algebra, 2008, 320, 2451-2454.	0.7	6
84	Degrees and p -rational characters. Bulletin of the London Mathematical Society, 2012, 44, 1246-1250.	0.8	6
85	Finite groups whose same degree characters are Galois conjugate. Israel Journal of Mathematics, 2013, 198, 283-331.	0.8	6
86	Nilpotent and perfect groups with the same set of character degrees. Journal of Algebra and Its Applications, 2014, 13, 1450061.	0.4	6
87	A Brauer-Wielandt formula (with an application to character tables). Proceedings of the American Mathematical Society, 2016, 144, 4199-4204.	0.8	6
88	Coprime actions and correspondences of Brauer characters. Proceedings of the London Mathematical Society, 2017, 114, 589-613.	1.3	6
89	Characters of ?â€™-degree with cyclotomic field of values. Proceedings of the American Mathematical Society, 2006, 134, 2833-2837.	0.8	6
90	Character degrees and local subgroups of $pi $-separable groups. Proceedings of the American Mathematical Society, 1998, 126, 2599-2605.	0.8	5

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91	A partition of characters associated to nilpotent subgroups. Israel Journal of Mathematics, 1999, 114, 359-380.	0.8	5
92	Rationality and Sylow 2-subgroups. Proceedings of the Edinburgh Mathematical Society, 2010, 53, 787-798.	0.3	5
93	On fully ramified Brauer characters. Advances in Mathematics, 2014, 257, 248-265.	1.1	5
94	On the orders of real elements of solvable groups. Israel Journal of Mathematics, 2015, 210, 1-21.	0.8	5
95	Restriction of Odd Degree Characters and Natural Correspondences. International Mathematics Research Notices, 2016, , rnw174.	1.0	5
96	2-Brauer correspondent blocks with one simple module. Journal of Algebra, 2017, 488, 230-243.	0.7	5
97	Brauer correspondent blocks with one simple module. Transactions of the American Mathematical Society, 2018, 371, 903-922.	0.9	5
98	Brauer's height zero conjecture for two primes. Mathematische Zeitschrift, 2020, 295, 1723-1732.	0.9	5
99	Relative Character Correspondences in Finite Groups. Canadian Journal of Mathematics, 1995, 47, 718-727.	0.6	4
100	Bases for induced characters. Journal of the Australian Mathematical Society Series A Pure Mathematics and Statistics, 1996, 61, 369-376.	0.3	4
101	A conjecture on the number of conjugacy classes in a p-solvable group. Israel Journal of Mathematics, 1996, 93, 185-188.	0.8	4
102	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
103	A new character correspondence in groups of odd order. Journal of Algebra, 2003, 268, 8-21.	0.7	4
104	Group elements and fields of character values. Journal of Group Theory, 2009, 12, .	0.2	4
105	Large orbits of elements centralized by a Sylow subgroup. Archiv Der Mathematik, 2009, 93, 299-304.	0.5	4
106	The number of lifts of a Brauer character with a normal vertex. Journal of Algebra, 2011, 328, 484-487.	0.7	4
107	The set of conjugacy class sizes of a finite group does not determine its solvability. Journal of Algebra, 2014, 411, 47-49.	0.7	4
108	Character correspondences in blocks with normal defect groups. Journal of Algebra, 2014, 398, 396-406.	0.7	4

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109	Brauer characters and rationality. Mathematische Zeitschrift, 2014, 276, 1101-1112.	0.9	4
110	Finite groups with odd Sylow normalizers. Proceedings of the American Mathematical Society, 2016, 144, 5129-5139.	0.8	4
111	On blocks with one modular character. Forum Mathematicum, 2018, 30, 57-73.	0.7	4
112	Nilpotent characters. Pacific Journal of Mathematics, 1995, 169, 343-351.	0.5	4
113	Actions and Invariant Character Degrees, II. Journal of Algebra, 1996, 184, 397-406.	0.7	3
114	Inducing characters and nilpotent subgroups. Proceedings of the American Mathematical Society, 1996, 124, 3281-3284.	0.8	3
115	Correspondences between constituents of projective characters. Archiv Der Mathematik, 2008, 90, 289-294.	0.5	3
116	Quadratic characters in groups of odd order. Journal of Algebra, 2009, 322, 2586-2589.	0.7	3
117	Solvable groups having only three rational classes of 2-elements. Archiv Der Mathematik, 2011, 97, 199-206.	0.5	3
118	Finite Groups with Only One NonLinear Irreducible Representation. Communications in Algebra, 2012, 40, 4324-4329.	0.6	3
119	Order of products of elements in finite groups. Journal of the London Mathematical Society, 2019, 99, 535-552.	1.0	3
120	On the Glauberman correspondence. Proceedings of the American Mathematical Society, 1989, 105, 52-52.	0.8	2
121	Actions and Invariant Character Degrees III. Journal of Algebra, 1997, 191, 141-148.	0.7	2
122	VARIATIONS ON THOMPSON'S CHARACTER DEGREE THEOREM. Glasgow Mathematical Journal, 2001, 44, 371-374.	0.3	2
123	Fields of values of Fong characters. Archiv Der Mathematik, 2006, 86, 305-309.	0.5	2
124	Fields, values and character extensions in finite groups. Journal of Group Theory, 2007, 10, .	0.2	2
125	Sylow Normalizers with a Normal Sylow 2-Subgroup. Proceedings of the Edinburgh Mathematical Society, 2008, 51, 779-783.	0.3	2
126	Irreducible characters taking root of unity values on p-singular elements. Proceedings of the American Mathematical Society, 2012, 140, 3785-3792.	0.8	2

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127	Pronormal subgroups and zeros of characters. Proceedings of the American Mathematical Society, 2014, 142, 3003-3005.	0.8	2
128	Characters, bilinear forms and solvable groups. Journal of Algebra, 2016, 449, 346-354.	0.7	2
129	A counterexample to Feit's Problem VIII on decomposition numbers. Journal of Algebra, 2017, 477, 494-495.	0.7	2
130	Character Tables and Sylow Subgroups Revisited. Indian Statistical Institute Series, 2018, , 197-206.	0.1	2
131	Centers of Sylow subgroups and automorphisms. Israel Journal of Mathematics, 2020, 240, 253-266.	0.8	2
132	Character degrees, derived length and Sylow normalizers. Archiv Der Mathematik, 1997, 68, 450-453.	0.5	1
133	Sylow Normalizers and Brauer Character Degrees. Journal of Algebra, 2000, 229, 623-631.	0.7	1
134	On the Fundamental Theorem of Finite Abelian Groups. American Mathematical Monthly, 2003, 110, 153-154.	0.3	1
135	Field equivalent finite groups. Mathematische Zeitschrift, 2004, 248, 795-803.	0.9	1
136	The minimal number of characters over a normal p-subgroup. Journal of Algebra, 2007, 312, 207-217.	0.7	1
137	Certain monomial characters of p€²-degree. Archiv Der Mathematik, 2012, 99, 407-411.	0.5	1
138	p-Parts of Brauer character degrees. Journal of Algebra, 2014, 403, 426-438.	0.7	1
139	Injective restriction of characters. Archiv Der Mathematik, 2017, 108, 437-439.	0.5	1
140	On defects of characters and decomposition numbers. Algebra and Number Theory, 2017, 11, 1357-1384.	0.6	1
141	On 2-Brauer characters of odd degree. Mathematische Zeitschrift, 2018, 290, 469-483.	0.9	1
142	On Real and Rational Characters in Blocks. International Mathematics Research Notices, 2019, 2019, 1955-1973.	1.0	1
143	Decomposition numbers and local properties. Journal of Algebra, 2020, 558, 620-639.	0.7	1
144	Weights and Nilpotent Subgroups. International Mathematics Research Notices, 2021, 2021, 2526-2538.	1.0	1

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145	Real constituents of permutation characters. Journal of Algebra, 2020, , .	0.7	1
146	Brauer character degrees and Sylow normalizers. Annali Di Matematica Pura Ed Applicata, 2022, 201, 2575-2582.	1.0	1
147	Brauer characters, degrees and subgroups. Bulletin of the London Mathematical Society, 2022, 54, 891-893.	0.8	1
148	ON ALPERINâ€™S LOWER BOUND FOR THE NUMBER OF BRAUER CHARACTERS. Transformation Groups, 0, , 1.	0.7	1
149	Characters, exponents and defects in p-solvable groups. Israel Journal of Mathematics, 2022, 249, 553-576.	0.8	1
150	p-Brauer characters ofq-defect 0. Manuscripta Mathematica, 1994, 84, 379-388.	0.6	0
151	Constituents of the product of characters in odd order groups.. Journal Fur Die Reine Und Angewandte Mathematik, 1995, 1995, 1-12.	0.9	0
152	On the number of covering blocks. Communications in Algebra, 1995, 23, 3165-3172.	0.6	0
153	Coprime action, characters and decomposition numbers. Archiv Der Mathematik, 1996, 67, 192-194.	0.5	0
154	A submatrix of the character table. Bulletin of the Australian Mathematical Society, 2000, 62, 525-528.	0.5	0
155	HALL SUBGROUPS AND STABLE BRAUER CHARACTERS. Proceedings of the Edinburgh Mathematical Society, 2001, 44, 111-115.	0.3	0
156	Restriction of characters to Sylow normalizers. Glasgow Mathematical Journal, 2001, 43, .	0.3	0
157	CHARACTERS INDUCED FROM FULLY RAMIFIED SUBGROUPS. Communications in Algebra, 2001, 29, 1829-1840.	0.6	0
158	Sylow normalizers and character tables, II. Israel Journal of Mathematics, 2002, 132, 277-283.	0.8	0
159	Characters that agree on prime-power-order elements. Journal of Algebra, 2003, 263, 246-254.	0.7	0
160	On the Fundamental Theorem of Finite Abelian Groups. American Mathematical Monthly, 2003, 110, 153.	0.3	0
161	A characteristic subgroup and kernels of Brauer characters. Bulletin of the Australian Mathematical Society, 2005, 72, 381-384.	0.5	0
162	Degrees of Characters and Values on Prime Order Elements. Communications in Algebra, 2008, 36, 678-679.	0.6	0

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163	Certain monomial characters and their normal constituents. , 0, , 436-438.		0
164	Defect zero characters predicted by local structure. Bulletin of the London Mathematical Society, 2017, 49, 443-448.	0.8	0
165	Certain irreducible characters over a normal subgroup. Journal of Group Theory, 2017, 20, .	0.2	0
166	Sylow Subgroups and Fusion of Characters. Mediterranean Journal of Mathematics, 2018, 15, 1.	0.8	0
167	Irreducible extensions of characters. Israel Journal of Mathematics, 2019, 234, 629-644.	0.8	0
168	Representations of Finite Groups. Oberwolfach Reports, 2019, 16, 841-895.	0.0	0
169	Irreducible induction and nilpotent subgroups in finite groups. Journal of Algebra, 2020, 561, 200-214.	0.7	0
170	What do the modular characters know?. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2020, 114, 1.	1.2	0
171	On principal indecomposable degrees and Sylow subgroups. Archiv Der Mathematik, 2020, 115, 489-493.	0.5	0
172	Decomposition numbers and global properties. Journal of Algebra, 2022, 607, 607-617.	0.7	0
173	On irreducible products of characters. Journal of Algebra, 2021, 573, 38-55.	0.7	0
174	Induction of Characters, Kernels and Local Subgroups. Rocky Mountain Journal of Mathematics, 2001, 31, .	0.4	0