

Robert M Guralnick

List of Publications by Year in descending order

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105
papers

2,117
citations

257450

24
h-index

289244

40
g-index

105
all docs

105
docs citations

105
times ranked

447
citing authors

#	ARTICLE	IF	CITATIONS
1	Simple Lie groups stabilizing G-invariant norms. <i>Linear Algebra and Its Applications</i> , 2021, 609, 308-316.	0.9	0
2	Sectional rank and cohomology. <i>Journal of Algebra</i> , 2020, 558, 434-452.	0.7	3
3	Variants of some of the Brauer-Fowler theorems. <i>Journal of Algebra</i> , 2020, 558, 453-484.	0.7	6
4	Topological generation of exceptional algebraic groups. <i>Advances in Mathematics</i> , 2020, 369, 107177.	1.1	5
5	GENERALLY FREE REPRESENTATIONS III: EXTREMELY BAD CHARACTERISTIC. <i>Transformation Groups</i> , 2020, 25, 819-841.	0.7	3
6	GENERALLY FREE REPRESENTATIONS II: IRREDUCIBLE REPRESENTATIONS. <i>Transformation Groups</i> , 2020, 25, 793-817.	0.7	3
7	On the generalized Fitting height and insoluble length of finite groups. <i>Bulletin of the London Mathematical Society</i> , 2020, 52, 924-931.	0.8	2
8	CHARACTER LEVELS AND CHARACTER BOUNDS. <i>Forum of Mathematics, Pi</i> , 2020, 8, .	2.0	6
9	Conjugacy classes, characters and products of elements. <i>Mathematische Nachrichten</i> , 2019, 292, 1315-1320.	0.8	4
10	Zero-one generation laws for finite simple groups. <i>Proceedings of the American Mathematical Society</i> , 2019, 147, 2331-2347.	0.8	2
11	Surjective word maps and Burnside's $p^a q^b$ theorem. <i>Inventiones Mathematicae</i> , 2018, 213, 589-695.	2.5	17
12	On isometry groups of self-adjoint traceless and skew-symmetric matrices. <i>Linear Algebra and Its Applications</i> , 2018, 541, 211-220.	0.9	2
13	Globally Irreducible Weyl Modules for Quantum Groups. <i>Springer Proceedings in Mathematics and Statistics</i> , 2018, , 313-326.	0.2	0
14	Globally irreducible Weyl modules. <i>Journal of Algebra</i> , 2017, 477, 69-87.	0.7	4
15	Normalizers of primitive permutation groups. <i>Advances in Mathematics</i> , 2017, 310, 1017-1063.	1.1	21
16	Spinors and essential dimension. <i>Compositio Mathematica</i> , 2017, 153, 535-556.	0.8	9
17	Conjugacy classes of derangements in finite transitive groups. <i>Proceedings of the Steklov Institute of Mathematics</i> , 2016, 292, 112-117.	0.3	2
18	Essential dimension of algebraic groups, including bad characteristic. <i>Archiv Der Mathematik</i> , 2016, 107, 101-119.	0.5	6

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37	Alternating forms and self-adjoint operators. Journal of Algebra, 2007, 308, 330-349.	0.7	22
38	The 2F-modules for nearly simple groups. Journal of Algebra, 2007, 307, 643-676.	0.7	6
39	Cross characteristic representations of odd characteristic symplectic groups and unitary groups. Journal of Algebra, 2006, 299, 443-446.	0.7	4
40	On the commuting probability in finite groups. Journal of Algebra, 2006, 300, 509-528.	0.7	80
41	The direct product theorem for profinite groups. Journal of Group Theory, 2006, 9, .	0.2	4
42	The non-coprime $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x$	0.7	25
43	Cross characteristic representations of even characteristic symplectic groups. Transactions of the American Mathematical Society, 2004, 356, 4969-5023.	0.9	47
44	Exceptional Polynomials over Arbitrary Fields. , 2004, , 457-472.		6
45	On the Spread of Finite Simple Groups. Combinatorica, 2003, 23, 73-87.	1.2	16
46	Generation of finite almost simple groups by conjugates. Journal of Algebra, 2003, 268, 519-571.	0.7	79
47	Finite simple unisingular groups of Lie type. Journal of Group Theory, 2003, 6, .	0.2	29
48	Classification of 2F-modules, I. Journal of Algebra, 2002, 257, 348-372.	0.7	14
49	Cross characteristic representations of symplectic and unitary groups. Journal of Algebra, 2002, 257, 291-347.	0.7	52
50	Probabilistic Generation of Finite Simple Groups. Journal of Algebra, 2000, 234, 743-792.	0.7	114
51	Cyclic Quotients of Transitive Groups. Journal of Algebra, 2000, 234, 507-532.	0.7	5
52	Commuting pairs and triples of matrices and related varieties. Linear Algebra and Its Applications, 2000, 310, 139-148.	0.9	35
53	Low-Dimensional Representations of Special Linear Groups in Cross Characteristics. Proceedings of the London Mathematical Society, 1999, 78, 116-138.	1.3	47
54	Random Generation of Finite Simple Groups. Journal of Algebra, 1999, 219, 345-355.	0.7	15

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55	Small Representations Are Completely Reducible. <i>Journal of Algebra</i> , 1999, 220, 531-541.	0.7	25
56	The First Cohomology Group and Generation of Simple Groups. , 1998, , 81-89.		14
57	Some Applications of Subgroup Structure to Probabilistic Generation and Covers of Curves. , 1998, , 301-320.		8
58	Invertible preservers and algebraic groups III: preservers of unitary similarity (congruence) invariants and overgroups of some unitary subgroups \hat{A} . <i>Linear and Multilinear Algebra</i> , 1997, 43, 257-282.	1.0	17
59	Invertible Preservers and Algebraic Groups II: Preservers of Similarity Invariants and Overgroups of $PSL_n(F)$. <i>Linear and Multilinear Algebra</i> , 1997, 43, 221-255.	1.0	10
60	A stable range for quadratic forms over commutative rings. <i>Journal of Pure and Applied Algebra</i> , 1997, 120, 255-280.	0.6	5
61	Exceptional Polynomials of Affine Type. <i>Journal of Algebra</i> , 1997, 194, 429-454.	0.7	25
62	Modules for Algebraic Groups with Finitely Many Orbits on Subspaces. <i>Journal of Algebra</i> , 1997, 196, 211-250.	0.7	30
63	Monodromy groups of polynomials. , 1995, , 125-150.		18
64	On invertible bimodules and automorphisms of noncommutative rings. <i>Transactions of the American Mathematical Society</i> , 1994, 341, 917-937.	0.9	8
65	The probability of generating a classical group. <i>Communications in Algebra</i> , 1994, 22, 1395-1402.	0.6	33
66	Invertible preservers and algebraic groups. <i>Linear Algebra and Its Applications</i> , 1994, 212-213, 249-257.	0.9	25
67	On extensions of the Baer-Suzuki Theorem. <i>Israel Journal of Mathematics</i> , 1993, 82, 281-297.	0.8	21
68	A note on commuting pairs of matrices. <i>Linear and Multilinear Algebra</i> , 1992, 31, 71-75.	1.0	59
69	Cancellation and direct summands in dimension 1. <i>Journal of Algebra</i> , 1991, 142, 310-347.	0.7	14
70	Similarity of matrices over commutative rings. <i>Linear Algebra and Its Applications</i> , 1991, 157, 55-68.	0.9	8
71	Zeroes of permutation characters with applications to prime splitting and Brauer groups. <i>Journal of Algebra</i> , 1990, 131, 294-302.	0.7	18
72	Finite groups of genus zero. <i>Journal of Algebra</i> , 1990, 131, 303-341.	0.7	54

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73	On the cohomology of alternating and symmetric groups and decomposition of relation modules. <i>Journal of Pure and Applied Algebra</i> , 1990, 69, 135-140.	0.6	11
74	Cancellation counterexamples in Krull dimension 1. <i>Proceedings of the American Mathematical Society</i> , 1990, 109, 323-326.	0.8	6
75	On the number of generators of a finite group. <i>Archiv Der Mathematik</i> , 1989, 53, 521-523.	0.5	49
76	On abelian quotients of primitive groups. <i>Proceedings of the American Mathematical Society</i> , 1989, 107, 89-95.	0.8	36
77	Similarity of holomorphic matrices. <i>Linear Algebra and Its Applications</i> , 1988, 99, 85-96.	0.9	6
78	Elementary divisor theorem for noncommutative PIDs. <i>Proceedings of the American Mathematical Society</i> , 1988, 103, 1003-1011.	0.8	5
79	Presentations of modules when ideals need not be principal. <i>Illinois Journal of Mathematics</i> , 1988, 32, .	0.1	7
80	The genus of a module II. Roiter's theorem, power cancellation and extension of scalars. <i>Journal of Number Theory</i> , 1987, 26, 149-165.	0.4	16
81	The dimension of the first cohomology group. <i>Lecture Notes in Mathematics</i> , 1986, , 94-97.	0.2	12
82	Generation of simple groups. <i>Journal of Algebra</i> , 1986, 103, 381-401.	0.7	32
83	Roth's theorems for sets of matrices. <i>Linear Algebra and Its Applications</i> , 1985, 71, 113-117.	0.9	14
84	Subgroups inducing the same permutation representation, II. <i>Journal of Algebra</i> , 1985, 96, 94-113.	0.7	16
85	Modules under ground ring extension. <i>Lecture Notes in Mathematics</i> , 1985, , 150-156.	0.2	1
86	The genus of a module. <i>Journal of Number Theory</i> , 1984, 18, 169-177.	0.4	6
87	Representations under ring extensions: Latimer-MacDuffee and Taussky correspondences. <i>Advances in Mathematics</i> , 1984, 54, 302-313.	1.1	5
88	Generation of the lower central series II. <i>Glasgow Mathematical Journal</i> , 1984, 25, 193-201.	0.3	1
89	Subgroups of prime power index in a simple group. <i>Journal of Algebra</i> , 1983, 81, 304-311.	0.7	266
90	Subgroups inducing the same permutation representation. <i>Journal of Algebra</i> , 1983, 81, 312-319.	0.7	28

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91	Generation of the lower central series. Glasgow Mathematical Journal, 1982, 23, 15-20.	0.3	3
92	Module equivalences: Local to global when primitive polynomials represent units. Journal of Algebra, 1982, 77, 138-157.	0.7	48
93	Commutators and commutator subgroups. Advances in Mathematics, 1982, 45, 319-330.	1.1	27
94	Isomorphism of modules under ground ring extensions. Journal of Number Theory, 1982, 14, 307-314.	0.4	5
95	Matrix equivalence and isomorphism of modules. Linear Algebra and Its Applications, 1982, 43, 125-136.	0.9	16
96	Similarity of matrices over local rings. Linear Algebra and Its Applications, 1981, 41, 161-174.	0.9	19
97	Roth's theorems and decomposition of modules. Linear Algebra and Its Applications, 1981, 39, 155-165.	0.9	24
98	On cyclic commutator subgroups. Aequationes Mathematicae, 1980, 21, 33-38.	0.8	8
99	A note on the local-global principle for similarity of matrices. Linear Algebra and Its Applications, 1980, 30, 241-245.	0.9	15
100	Expressing group elements as commutators. Rocky Mountain Journal of Mathematics, 1980, 10, 651.	0.4	5
101	On a result of Schur. Journal of Algebra, 1979, 59, 302-310.	0.7	26
102	On cyclic commutator subgroups. Aequationes Mathematicae, 1978, 17, 241-248.	0.8	8
103	On groups with decomposable commutator subgroups. Glasgow Mathematical Journal, 1978, 19, 159-162.	0.3	10
104	The genus of a permutation group. , 0, , 351-363.		3
105	Primitive permutation characters. , 0, , 364-367.		5