CURRICULUM VITAE

NAME: Alexandre Turull

PRESENT POSITION: Professor

DEGREES: B.A. (with Mathematics Part III),
University of Cambridge,
Cambridge, England, 1977.
M.A., University of Cambridge,
Cambridge, England, 1981.
Ph.D., University of Chicago,
Chicago, Illinois, 1982.

RESEARCH INTERESTS: Algebra, Group Theory,
Representation Theory

PROFESSIONAL EXPERIENCE:

Lecturer, University of Chicago, 1980 – 1982.
Assistant Professor, University of Miami, Coral Gables, Florida, 1982 – 1986.
"Investigador" at the Centre de Recerca Matematica, Barcelona, Spain, May – June 1985.
Visiting Assistant Professor, Rutgers University, New Brunswick, New Jersey, 1986 – 1987.
Johannes Gutenberg-Universitat Mainz, West Germany, May – July 1987.
Associate Professor with tenure, University of Miami, Coral Gables, Florida, 1987 – 1990.
Full Professor, University of Florida, Gainesville, Florida, 1990.

AWARDS:

Olimpiada Matematica, Barcelona (Spain), 1972.
Premio Holanda, 1st Prize, Madrid (Spain), 1974.
Certificate of Distinction, European Philips Contest for Young Scientists & Inventors Aachen (Germany), 1974.
Teaching Improvement Program Award, University of Florida, 1994.
Professorial Excellence Program (PEP) Award, University of Florida, 1998.
STEP Award, University of Florida, 2001.
College of Liberal Arts and Sciences Teacher of the Year Award, 2001 – 2002.
SPP Award, University of Florida, 2008.
Honors Professor of the Year, University of Florida, 2012.
University of Florida Term Professor for 2019–2022.
Anderson Scholar Faculty Honoree, University of Florida, 2019.

GRANTS:

Individual research grants:
US-Spain Joint Committee, 1985.
NSF, 1986–1988, $30,400.
NSF, 1988–1990, $44,780.
DGICYT of Spain, 1990, 1,200,000 pesetas.
NSA, 1991–1993, $28,792.
NSF, 1993–1996, $60,000.
NSA, 1997–1999, $33,894.
NSA, 1999–2001, $20,304.
NSA, 2001–2003, $37,748.
NSA, 2003–2005, $40,809.
NSA, 2006–2008, $49,171.
NSA, 2008–2010, $50,585.
NSA, 2010–2012, $54,410.

Group Grants:
PI: Dr. Chat Y. Ho, CoPis:Drs. Alexandre Turull, Peter Sin, Pham H. Tiep Title Project: Gainesville Conference *Finite Groups 2003*. NSA $10,000.
PI: Dr. Helmut Voelklein, CoPis: Drs.Chat Y. Ho, Drs. Alexandre Turull. Title Project: Year of Algebra at the University of Florida. NSF $35,000.
PI: Dr. Alexandre Turull, CoPi: Dr. Ron Solomon. Title Project: The local and global analysis of groups and related objects: *Conference in honor of George Glauberman*. (2008) NSA $15,000.
PI: Dr. Alexandre Turull, CoPi: Dr. Ron Solomon. Title Project: The local and global analysis of groups and related objects: *Conference in honor of George Glauberman*. (2008) NSF $15,000.

HONORARY SOCIETIES:

ORGANIZATIONS:

Member of American Mathematical Society.
Member of Societat Catalana de Matemàtiques.

OTHER PROFESSIONAL ACTIVITIES:

Coorganizer with C.Y. Ho and H. Völklein of the special session "Finite groups and related topics" in the A.M.S. meeting in Orlando, Florida, March 1995.

Organizer of the special session "Finite groups and their representations" in the A.M.S. meeting in Gainesville, Florida, March 1999.

Member of the Editorial Board of the journal "Communications in Algebra", published by Marcel Dekker, 2000 – 2016.

CoOrganizer of the Year of Algebra 2002 – 2003 at the University of Florida.

CoOrganizer of the international conference *Finite Groups 2003*, at the University of Florida, March 2003.

Member of the American Mathematical Society's Committee on Publications, (2003 – 2006).

Member of the Editorial Board of the journal "Extracta Mathematicae", published by the Universidad de Extremadura, 2005 – Present.

CoOrganizer of the internation conference *Local analysis of groups and related topics, a conference in honor of George Glauberman* at the University of Chicago, March 2008.

REVIEWING & REFEREEING ACTIVITIES:

Reviewer for Mathematical Reviews and Zentralblatt für Mathematik.

Referee for Journal of Algebra, Journal of Pure and Applied Algebra, Mathematical Proceedings of the Cambridge Philosophical Society, American Mathematical Society Proceedings, Communications in Algebra, American Mathematical Society Bulletin, Journal of the Australian Mathematical Society, Archiv der Mathematik, Canadian Mathematical Bulletin, Bulletin of the Iranian Mathematical Society, Rocky Mountain Journal, Israel Journal of Mathematics, Quaestiones Mathematicae, Extracta Mathematicae, and Proceedings of the Edinburgh Mathematical Society.

Reviewer for the National Science Foundation, the National Security Agency and the Research Council of Canada.

Judge for the Alachua County Regional Science and Engineering Fair, 2007.

MENTIONED IN LISTINGS:

Marquis Who's Who in Science and Engineering.

THESES AND DISSERTATIONS DIRECTED:

Committee member for D.A. degree to Myriam Marin, "The multiplier Theorem," August 1983.

Committee member for D.A. degree to Kamal A. Abudeya, "Some special types of p-groups," May 1989.

Committee member for PhD degree to Michael Dowd, "Modules for finite groups", May 1994.

Ph.D. Advisor for Zhaowei Du, "Schur indices of projective representations of hyperoctahedral Groups," May 1998.

Committee member for Ph.D. degree to Warren McGovern, "Rings of continuous functions", May 1998.

Committee member for Ph.D. degree to Áron Bereczky, "On the density of generating pairs in finite projective special linear groups and projective symplectic groups of odd characteristic", December 1998.

External Examiner for the Ph.D. degree awarded by the University of Alberta to Rachel Quinlan, "Irreducible Projective Representations of Finite Groups", August 2000.

Committee member for Ph. D. degree to Ricardo Carrera, "Rings of continuous functions", August 2004.

Committee member for Ph. D. degree to Abu Khan, "The continuous spin representations of the Poincaré and super-Poincaré groups and their construction by the Inönü-Wigner group contraction", Physics Department, December 2004.

Chairman of Committee for MS in Teaching for Nicole Krochak, August 2005.

Ph.D. Advisor for Adriana Nenciu. "Character tables of finite groups", August 2006.

Ph.D. Advisor for Timothy Bonner. "The characters and commutators of finite groups", August 2009.

Ph.D. Advisor for Yong Yang. "Orbits of the actions of finite solvable groups", August 2009.

Ph.D. Advisor for Anales Debhaumik. "The Hidden Subgroup Problem", May 2010.

Committee member for Ph. D. degree of Joshua Ducey, "Problems in algebraic combinatorics", May 2011.

Ph.D. Advisor for Joseph Brennan, "Classification of certain families of finite p-groups", May 2012.

Ph.D. Advisor for Lee Raney, "Idempotent elements in blocks of p-solvable groups", May 2013.

Ph.D. Advisor for Lindsey-Kay Lauderdale, "Maximal Subgroups of Finite Groups", May 2014.

Ph.D. Advisor for Christopher M. Cyr, "On S-Semipermutable Subgroups of Simple Groups", May 2017.

Ph.D. Advisor for Hossein Shahrtash, "The Implications of Conjugacy Class and Rational Class Sizes for the Structure of Finite Groups", August 2019.

DEPARTMENTAL SERVICE:

Member of University of Miami Mathematics Colloquium Committee, 1982–86.
Member of University of Miami Mathematics New Programs Committee, 1985–86.
University of Miami Mathematics Colloquium Committee Chairman, 1987–88.
Member of the University of Miami Mathematics Graduate Committee, 1989–90.
Member of the Graduate Committee, 1991–94.
Member of the First Year Algebra Exam Committee, 1991–94. Chairman 2000 – 2001. Member 2001 – 2003, Chairman 2003 – 2005.
Chairman of the Ph.D. Algebra Exam Committee, 1991–1994, Member, 1994–2001. Chairman 2001 – 2002, Member 2002 – Present.
Organizer of the Algebra Seminar, 1991–1997.
Member of the Steering Committee, 1992 – 94 and 1996 – 1998 and 2003 – 2005 and 2008 – 2010.
Member of the Colloquium Committee, 1992–1993.
Advisor, 1995–1996.
Mentor for Jan Cheah.
Member of the Tenure and Promotion Committee, 1996 – present.
Member of the Search Committee, 1997–1998.
Member of the Hiring Plan Committee, 1999–2000 and 2003 – 2004.
Member of the Teaching Innovation Committee, 2000 – 2001.
Member of the Search Committee, 2001 – 2002.
Chair of the Tenure and Promotion Committee, 2001 – 2002.
Member of the Special Year Committee, 2002 – 2003.
Chair of the Group Proposals Committee, 2002 – 2003.
Chair of the Self-Study Committee, 2005 – 2006.
Member of the Post Doc Search Committee, 2006 – 2007.
Chair of the Hiring Plan Committee, 2006 – 2007.
Member of the Hiring Plan Committee, 2007 – 2008.
Member of the Chair's Advisory Committee, 2008 – 2020.
Speaker of the Steering Committee, 2009 – 2010.
CAM Summer Research Fellowship Selection Committee 2012.
Member of the Graduate Committee, 2015 – 2019 and 2020-present.

UNIVERSITY SERVICE:

Member of the Mathematics and Computer Science Chairman Search Committee, College of Arts and Sciences, University of Miami (1989).
Senator (1992–1994).
Member, College of Liberal Arts & Sciences Tenure and Promotion Committee (1993–1996).
Member, College of Liberal Arts & Sciences review panel for Research Awards (1999, 2000).
Member, College of Liberal Arts & Sciences review panel for University of Florida Research Foundation Professorship (2000).
Member, College of Liberal Arts & Sciences review panel for Teacher of the Year Awards (2002, 2003).
Member, College of Liberal Arts & Sciences Nominating Committee (2003 – 2005) Chairman 2004–2005.
Member, College of Liberal Arts & Sciences Steering Committee (2004 – 2005).
Member, Graduate School Search Committee for a Permanent Associate Dean for Student Development (2008).
Member, College of Liberal Arts & Sciences Tenure and Promotion Committee (2011 – 2014).
Member, Liberal Arts & Sciences Selection Committee for 2017–2018 Faculty Sabbaticals.

TALKS, LECTURES, AND INVITED ADDRESSES AT MEETINGS & COLLOQUIA:

Universita Libera degli Studi, Trento, Italy, June 1981.
Universitat Autònoma de Barcelona, Barcelona, Spain, June 1981.
AMS Special Session on Representation Theory of Finite Groups and Lie Groups, Bryn Mawr, March 1982.
AMS Special Session on Representation Theory of Finite Groups, Baton Rouge, November 1982.
Florida Atlantic University, Boca Raton, Florida, 1983.
Universitat Autònoma de Barcelona, Barcelona, Spain, 1984.
Universitá degli Studi, Trento, Italy, 1984.
IV International Conference in Representations of Algebras, Ottawa, Canada, 1984.
Centre de Recerca Matemàtica, Barcelona, Spain, 1985.
Mathematisches Forschungsinstitut Oberwolfach, Germany, 1985.
Florida International University, Miami, Florida, 1985.
Florida Atlantic University, Boca Raton, Florida, 1986.
AMS Summer Research Institute Institute on Representations of finite groups and related topics, Arcata, California, 1986.
Rutgers University, New Brunswick, New Jersey, 1986.

Justus-Liebig Universitat, Giessen, Germany 1987.
Mathematisches Forschungsinstitut Oberwolfach, Germany, 1987.
University of Wisconsin, Madison, Wisconsin, 1988.
International Conference on Representation Theory of Groups and Related Topics, Manchester, England, 1988 (Main Speaker).
Mathematisches Forschungsinstitut Oberwolfach, Germany, 1988.
University of Florida, Gainesville, Florida, 1990.
AMS Special Session on Group Theory, Columbus, Ohio, August 1990.
Mathematical Sciences Research Institute, Berkeley, California, 1990.
AMS Special Session on Group Theory, Tampa, Florida, 1991.
Wayne State University, Detroit, Michigan, 1991.
Ohio State - Denison Mathematics Conference, Granville, Ohio, 1992.
Mathematisches Forschungsinstitut Oberwolfach, Germany, 1992.
Villa Madruzzo, Trento, Italy, 1993.
Ohio State University, Columbus, Ohio, 1994.
University of Ohio, Athens, Ohio, 1994.
Nato Advanced Study Institute on Finite and Locally Finite Groups, Istanbul, Turkey, 1994 (Lecturer).
University of Amsterdam, Amsterdam, The Netherlands, 1995.
AMS Special Session on Groups and Geometries and related topics, Kent, Ohio, 1995.
Mathematisches Forschungsinstitut Oberwolfach, Germany, 1996.
Ohio State-Denison Mathematics Conference, Granville, Ohio, 1996.
Ohio State University, Columbus, Ohio, 1996.
Zassenhaus Conference, Sarasota, Florida, 1997 (Principal Speaker).
AMS Special Session on Representation Theory, Wayne State, Detroit, Michigan, 1997.
Ohio State University, Columbus, Ohio, 1998.
Ohio State-Denison Mathematics Conference, Granville, Ohio, 1998.
CBMS Conference on Blocks of Finite Reductive Groups, Deligne-Lusztig Varieties, and Complex Reflection Groups, University of North Texas, Denton, Texas, 1998.
AMS Special Session on Finite Groups and their Representations, Gainesville, Florida, March 1999.
Universitá di L'Aquila (Italy), 1999.
Ohio State University, Columbus, Ohio, 2000.
Ohio State-Denison Mathematics Conference, Columbus, Ohio, 2000.
Pacific Institute for the Mathematical Sciences, Algebra 2000, Summer School & Workshop, Edmonton, Canada, 2000, (Lecturer and Principal Speaker).

Groups St. Andrews 2001, International Conference on Groups, Oxford, 2001.
AMS Special Session on Finite Groups, Columbus, Ohio, 2001.
Ohio State-Denison Mathematics Conference, Granville, Ohio, 2002.
Ohio State University, Columbus, Ohio, 2002.
Universitat de València, Valencia, Spain, 2002.
Universidad del País Vasco, Bilbao, Spain, 2002.
AMS Special Session on Characters and Representations of Finite Groups, Madison, Wisconsin, 2002.
Institute for Fundamental Theory Colloquium, University of Florida, Gainesville, Florida, 2002.
American Mathematical Society Special Session on Character Theory of Finite Groups and Algebraic Combinatorics, at Binghamton University in Binghamton, NY, 2003.
Yale University, Conference in Honor of Walter Feit, Principal Speaker, 2003.
American Mathematical Society Special Session on Groups, Representations, and Characters, at Ohio University in Athens, Ohio, 2004.
University of Chicago, Chicago, Illinois, 2004.
Daytona Beach Community College, Science Series Lecture, "Give me proof!", 2005.
Zassenhaus Conference in Montgomery, Alabama, 2005.
Universidad del País Vasco, Bilbao, Spain, 2005.
Universitat de València, València, Spain, 2005.
Mathematisches Forschungsinstitut Oberwolfach, Germany, 2006.
Zassenhaus Conference, St. Louis, Mo, 2007.
Group representations and combinatorics conference, Gainesville, Florida, principal speaker (two one hour talks), 2007.
Chat Y. Ho Memorial Conference, Gainesville, Florida, "Strengthened McKay Conjecture for p-solvable groups" (February 24, 2008).
Glauberman Conference, University of Chicago, Chicago, Illinois, "Above the Glauberman correspondence", (March 26, 2008).
Zassenhaus Conference, Columbus, Ohio, "The Brauer-Clifford group and modular representations", (May 17, 2008).
Duality and involutions in representation theory international conference, Maynooth, Ireland, "Above the Glauberman correspondence", (August 20, 2008).
Mathematisches Forschungsinstitut Oberwolfach, Germany, "Module correspondences in Clifford theory", (March 27, 2009).
Conference on Character Theory of Finite Groups in honor of Martin Isaacs, Universitat de València, Spain, main speaker, "Character correspondences in p-solvable groups", (June 3, 2009).

Conference on Algebraic Topology, Group Theory and Representation Theory, (in honor of Bob Oliver and Ron Solomon) Isle of Skye, Scotland, plenary speaker, "Correspondences of modules over small fields", (June 14, 2009).

Southwestern Group Theory Day 2009, University of Arizona, Tucson, Arizona, "Introduction to the Brauer-Clifford Group", (November 7, 2009).

Ischia Group Theory 2010, Ischia, Italy, "The Brauer-Clifford group of G-rings", (April 16, 2010).

Ohio State-Denison Mathematics Conference, Columbus, Ohio, "The Brauer-Clifford group of G-rings", (May 23, 2010).

Ohio State Algebra Seminar, Columbus, Ohio, "Some definitions for Clifford theory", (May 24, 2010).

Graduate Mathematics Association Seminar, UF, Gainesville, Florida, "Representing finite groups", (April 5, 2011).

Zassenhaus group theory conference, Towson, Maryland, "Defining uniquely correspondences of modules", (May 29, 2011).

Universitat de València, València, Spain, "Caracteres, módulos, y endoisomorfismos de módulos" (in Spanish), (September 29, 2011, could not be physically delivered because of a plane delay).

Universitat Autònoma de Barcelona, Barcelona, Spain, (seminari de topologia), "Representacions de grups finits i endoisomorfismes de mòduls" (in Catalan), (September 30, 2011).

Ohio State-Denison Mathematics Conference, Columbus, Ohio, "Endoisomorphisms and correspondences of characters", (May 26, 2012).

Ohio State Algebra Seminar, Columbus, Ohio, "Endoisomorphisms and correspondences of characters", (May 29, 2012).

Canadian Math. Soc. Special Session in Representation Theory, Regina, Canada, "Endoisomorphisms and Schur indices", (June 2, 2012, could not be physically delivered because of a family medical emergency).

Zassenhaus group theory conference, Western Carolina University, North Carolina, "The strengthened Alperin Weight Conjecture for p-solvable groups", (May 24, 2013).

Brauers Problems – 50 years on, conference in honor of G. R. Robinson, University of Manchester, "Recent progress on Brauer's Problem 27", (September 3, 2013).

Mathematics of John Thompson, Conference on Finite Groups and related topics, Cambridge University, September 8–11, 2013, (attendence only, no talk).

Banff International Research Station, Global/Local Conjectures in Representation Theory of Finite Groups, Banff, Canada, "Generalizations and reductions for Jordan's Theorem", (March 20, 2014).

Ohio State-Denison Mathematics Conference, Columbus, Ohio, "Large abelian subgroups of finite groups", (May 9, 2014).

Kent State University Mathematics Colloquium, Kent, Ohio, "Characters of finite groups and correspondences", (September 4, 2014).

Universitat de Barcelona, Colloquium, Barcelona, Spain, "Representacions de grups finits" (in Catalan), (October 8, 2014).

AMS Special Session What's new in group theory? in AMS annual meeting in San Antonio, Texas, "Modifying and combining endoisomorphisms", (January 13, 2015).

AMS Special Session Recent advances in finite groups and their representations in AMS annual meeting in Fullerton, California, "Strengthenings of the Dade Projective Conjecture for p-solvable groups", (October 24, 2015).

Texas State University Mathematics Colloquium, San Marcos, Texas, "Finite groups and their characters", (March 4, 2016).

Number Theory Conference in Honor of Krishna Alladi, Gainesville, Florida, "Measures of the complexity of finite groups and their bounds", (March 20, 2016).

Zassenhaus Group Theory Conference, Adelphi University, Garden City, New York, "Refinements of Dade's Projective Conjecture for p-solvable groups", (June 11, 2016).

AMS Special Session Group representations and cohomology in AMS Joint meeting in Atlanta, Georgia, "Character triple isomorphisms and elements of the Brauer-Clifford group", (January 4, 2017).

Zassenhaus Group Theory Conference, Binghamton, New York, "Regular orbits for direct products of finite groups", (May 26, 2017).

Banff International Research Station, New perspectives in Representation Theory of Finite Groups, Banff, Canada, "Some refinements of Dade's Projective Conjecture", (October 17, 2017).

AMS Special session Structure and representation theory of finite groups in AMS Meeting in Columbus, Ohio, "Calculating the Brauer invariant of an irreducible character of a finite group", (March 17, 2018).

Ischia group theory 2018, Ischia, Italy, "Characters of finite groups and p-adic numbers", (March 21, 2018).

2018 Zassenhaus Groups and Friends Conference, in Tampa, Florida, "The invariant of a character" (April 8, 2018).

Texas State University Mathematics Seminar, San Marcos, Texas, "An invariant for ordinary characters arising from modular characters", (November 1, 2018).

Mathematisches Forschungsinstitut Oberwolfach, Germany, "The local invariant of an irreducible character", (March 26, 2019).

GMA Colloquium, Department of Mathematics, University of Florida, "Finite groups and their representations as groups of matrices", (April 10, 2019).

2019 Zassenhaus Groups and Friends Conference, in Binghamton, New York, "p-basic groups and the invariant of a character" (June 1, 2019).

China US Group Theory Summit 2019, Texas State, San Marcos, texas, "The p-local invariant of a character and p-basic groups", (August 24, 2019).

PUBLICATIONS: (Published, accepted, submitted)

1. *An introduction to the theory of lateral groups*, Premio Holanda (1974, Philips, 74 pp.).
2. *The Smith-Tyrer Theorem*, Cambridge Math. Part III, essay (1977,47 pp.).
3. (with G.R. Robinson), *On groups with a certain Sylow normalizer*, J. Algebra **68** (1981), 144–154.
4. *Characterizing modules by dimensions of fixed points*, J. Algebra **79** (1981), 248–249.
5. *Supersolvable automorphism groups of solvable groups*, Math. Z. **183** (1983), 47–73.
6. *Fitting heights of groups and of fixed points*, J. Algebra **86** (1984), 555–566.
7. *Examples of centralizers of automorphism groups*, Proc. Amer. Math. Soc. **91** (1984), 537–539.
8. *A theorem of Hall-Higman type for supersolvable groups*, J. Algebra **96** (1985), 194–210.
9. (with P.A. Ferguson), *Algebraic decompositions of commutative association schemes*, J. Algebra **96** (1985), 211–229.
10. *Generic fixed point free action of arbitrary finite groups*, Math. Z. **187** (1984), 491–503.
11. (with P.A. Ferguson), *Prime characters and factorizations of quasi-primitive characters*, Math. Z. **190** (1985), 583–604.
12. *Hall-Higman theory for arbitrary finite groups, why and how*, Proc. IV. Int. Conf. Rep. Algebras, Carleton-Ottawa Mathematical Lecture Notes Series 1 (1985).
13. (with P.A. Ferguson), *Prime characters*, Proc. IV Int. Conf. Rep. Algebras, Springer Lecture Notes **1178** (1986), 64–93.
14. (with P.A. Ferguson), *On a question of Feit*, Proc. Amer. Math. Soc. **97** (1986), 21–22.
15. (with P.A. Ferguson), *Factorizations of characters and a question of Feit*, J. Algebra **107** (1987), 385–409.
16. (with P.A. Ferguson), *On a question of Brauer*, Archiv der Mathematik **46** (1986), 393–401.
17. *Fixed point free action with regular orbits*, J. fur die Reine und angewandte Mathematik (Crelles Journal) **371** (1986), 67–91.
18. *On the Schur index of quasi-primitive characters*, J. London Math. Soc. (2) **35** (1987), 421–432.
19. *On polynomials associated to characters*, Proc. Amer. Math. Soc. **103** (1988), 463–467.

20. (with P.A. Ferguson), *Prime characters and primitivity*, J. Algebra **128** (1990), 456–473.
21. (with N. Vila), *On rigid equations for alternating groups and their Hasse-Witt invariants*, J. Algebra **125** (1989), 431–443.
22. (with P. Cameron and R. Solomon), *Chains of subgroups in Symmetric groups*, J. Algebra **127** (1989), 340–352.
23. (with R. Solomon), *Chains of subgroups in Lie type groups I*, J. Algebra **132** (1990), 174–184.
24. (with A. Zame), *Number of prime divisors and subgroup chains*, Archiv der Math. **55** (1990), 333–341.
25. (with G. Seitz and R. Solomon), *Chains of subgroups in groups of Lie type II*, J. London Math. Soc. **(2) 42** (1990), 93–100.
26. *Groups of automorphisms and centralizers*, Math. Proc. Cambridge Philosophical Soc. **107** (1990), 227–238.
27. (with R. Solomon), *Chains of subgroups in Lie type groups III*, J. London Math. Soc. **(2) 44** (1991), 437–444.
28. *The Schur index of projective characters of symmetric and alternating groups*, Annals of Mathematics **135** (1992), 91–124.
29. *Schur index two and bilinear forms*, J. Algebra **157** (1993), 562–572.
30. *Bilinear forms for SL(2,q), $\tilde{A}_n$ and similar groups*, Publ. Mat. **36** (1992), 1001–1010.
31. *Brauer and finite groups*, Proceedings of the Ohio State-Denison Conference, Sehgal and Solomon editors, World Scientific 1993, 288–292.
32. (with B. Hartley), *On characters of coprime operator groups and the Glauberman correspondence*, J. Reine angewandte Math. (Crelles Journal) **451** (1994), 175–219.
33. *Clifford Theory with Schur indices*, J. Algebra **170** (1994), 661–677.
34. *Some invariants for equivalent G-algebras*, J. Pure Appl. Algebra **98** (1995), 209–222.
35. *Equivalence of G-algebras with complemented centroid*, Comm. Algebra **22** (1994), 5037–5078.
36. *Equivalence of G-algebras for abelian G*, Proc. Amer. Math. Soc. **123** (1995), 1655–1660.
37. *Character theory and length problems*, in "Finite and locally finite groups", edited by B. Hartley, G.M. Seitz, A.V. Borovik and R.M. Bryant, Kluwer (1995), 377–400.
38. *Character quotients for coprime acting groups*, J. London Math. Soc. **(2) 55** (1997), 277–286.
39. *Fixed point free action with some regular orbits*, J. Algebra **194** (1997), 362–377.
40. *Cyclic by prime fixed point free action*, Proc. Amer. Math. Soc. **125** (1997), 3465–3470.

41. *Centralizers and character degrees*, Archiv der Mathematik **74** (2000), 410–413.
42. *Clifford Theory for cyclic quotient groups*, J. Algebra **227** (2000), 133–158.
43. *A formula for calculating some Schur indices*, J. Algebra **227** (2000), 124–132.
44. *The Schur indices of the irreducible characters of the special linear groups*, J. Algebra **235** (2001), 275–314.
45. (with K. Alladi and R. Solomon), *Finite simple groups of bounded subgroup chain length*, J. Algebra **231** (2000), 374–386.
46. M. Hazewinkel (ed.), *Fitting series (chain)*, Encyclopedia of Mathematics, Supplement III, Kluwer, 2002, p. 156.
47. M. Hazewinkel (ed.), *Fitting length*, Encyclopedia of Mathematics, Supplement III, Kluwer, 2002, pp. 156–157.
48. *Schur indices of perfect groups*, Proc. Amer. Math. Soc. **130** (2001), 367–370.
49. *Calculating Clifford classes for characters containing a linear character once*, J. Algebra **254** (2002), 264–278.
50. *Classifying irreducible representations in characteristic zero*, Proceedings of the St. Andrews Conference in Oxford (2003), 537–546.
51. *Clifford classes for isoclinic groups*, Archiv Math. **84** (2005), 97–106.
52. *Clifford classes for some overgroups of the special linear groups*, J. Algebra **257** (2002), 560–587.
53. *The number of Hall π-subgroups of a π-separable group*, Proc. Amer. Math. Soc. **132** (2004), 2563–2564.
54. (with A. Moretó and J. Sangroniz), *Sylow subgroups and the number of conjugacy classes of p-elements*, J. Algebra **275** (2004), 668–674.
55. (with G. Navarro and P. Tiep), *p-Rational characters and self-normalizing Sylow p-subgroups*, Represent. Theory **11** (2007), 84–94.
56. (with G. Navarro and T. Wolf), *Block separation in solvable groups*, Archiv Math. **85** (2005), 293–296.
57. *Character correspondences in solvable groups*, J. Algebra **295** (2006), 157–178.
58. *Reduction theorems for Clifford Classes*, J. Group Theory **9** (2006), 27–47.
59. C. Y. Ho, P. Sin, P.H. Tiep, A. Turull, editors, *Finite Groups 2003*, De Gruyter, Berlin, New York, 417 pages, 2004.
60. *Strengthening the McKay Conjecture to include local fields and local Schur indices*, J. Algebra **319** (2008), 4853–4868.
61. (with G. Navarro and P. Tiep), *Brauer characters with cyclotomic field of values*, J. Pure Appl. Algebra **212** (2008), 628–635.
62. *Odd Character correspondences in solvable groups*, J. Algebra **319** (2008), 739–758.
63. *Degree divisibility in character correspondences*, J. Algebra **307** (2007), 300–305.
64. *The Brauer-Clifford group*, J. Algebra **321** (2009), 3620–3642.
65. *Brauer-Clifford equivalence of full matrix algebras*, J. Algebra **321** (2009), 3643–3658.

66. *Above the Glauberman correspondence*, Advances Math. **217** (2008), 2170–2205.
67. (with T. Wolf), *Principally separated non-separated solvable groups*, J. Group Theory **12** (2009), 197–200.
68. *The Brauer-Clifford group of G-rings*, J. Algebra **341** (2011), 109–124.
69. *Clifford Theory and endoisomorphisms*, J. Algebra **371** (2012), 510-520.
70. *Endoisomorphisms yield module and character correspondences*, J. Algebra **394** (2013), 7–50.
71. *The strengthened Alperin-McKay conjecture for p-solvable groups*, J. Algebra **394** (2013), 79–91.
72. *The strengthened Alperin Weight Conjecture for p-solvable groups*, J. Algebra **398** (2014), 469–480.
73. *Characters, Fields, Schur indices and divisibility*, Archiv Math. **101** (2013), 411–417.
74. (with Ignasi Mundet i Riera), *Boosting an analogue of Jordan's Theorem for finite groups*, Advances Math. **272** (2015), 820–836.
75. *Inverse Glauberman-Isaacs correspondence and subnormal subgroups*, J. Group Theory **19** (2016), 351–363.
76. (with T. Wolf), *The quotient of two Glauberman-Isaacs Correspondences*, J. Algebra Appl. **15, No. 7** (2016), 1650138 (10 pages).
77. *Endoisomorphisms and character triple isomorphisms*, J. Algebra **474** (2017), 466–504.
78. *Refinements of Dade's Projective Conjecture for p-solvable groups*, J. Algebra **474** (2017), 424–465.
79. (with T. Keller and T. Wolf), *Direct products of groups and regular orbits*, J. Algebra **494** (2018), 137–141.
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