

## Publications, I. J. Leary

### Papers

1. The integral cohomology rings of some  $p$ -groups, *Math. Proc. Cambridge Phil. Soc.* 110 (1991), 25–32 **MR1104598** (93a:20081).
2. The mod- $p$  cohomology rings of some  $p$ -groups, *Math. Proc. Cambridge Phil. Soc.* 112 (1992), 63–75 **MR1162933** (94a:20087).
3. Some examples in the integral and Brown-Peterson cohomology of  $p$ -groups (Joint with N. Yagita), *Bull. London Math. Soc.* 24 (1992), 165–168 **MR1148677** (93c:20082).
4. A differential in the Lyndon-Hochschild-Serre spectral sequence, *J. Pure and Appl. Alg.* 88 (the Karl Gruenberg 65th birthday issue) (1993), 155–168 **MR1233320** (94m:20102).
5.  $p$ -groups are not determined by their integral cohomology groups, *Bull. London Math. Soc.* 27 (1995), 585–589 **MR1348713** (96j:20076).
- 5'. Erratum to ‘ $p$ -groups are not determined by their integral cohomology groups’, *Bull. London Math. Soc.* 29 (1997) 368.
6. 3-groups are not determined by their integral cohomology rings, *J. Pure and Appl. Alg.* 103 (1995), 61–79 **MR1354067** (96i:20068).
7. Exact sequences for mixed coproduct/tensor-product ring constructions (Joint with W. Dicks), *Publicacions Mathematiques* 38 (1994) 89–126 **MR1291956** (96a:16026).
8. A bound on the exponent of the cohomology of  $BC$ -bundles, *Proceedings of the 1994 Barcelona Conference on Algebraic Topology* Progress in Mathematics 136, Birkhäuser (1996) 255–260 **MR1397736** (97k:55018).
9. The Yagita invariant of general linear groups (joint with H. H. Glover and C. B. Thomas), *Proceedings of the 1994 Barcelona Conference on Algebraic Topology* Progress in Mathematics 136, Birkhäuser (1996) 185–192 **MR1397729** (97j:20047).
10. On subgroups of Coxeter groups (joint with W. Dicks), *Geometry and Cohomology in Group Theory* London Math. Soc. Lecture Note Series 252, Cambridge University Press (1998) 124–160 **MR1709956** (2000g:20067).
11. Chern classes and extraspecial groups (joint with D. J. Green), *Manuscripta Mathematica* 88 (1995) 73–84 **MR1348791** (96h:20096).
12. On universally stable elements (joint with B. Schuster and N. Yagita), *Quart. J. Math. Oxford* 48 (1997) 493–498 **MR1604831** (99b:20084).
13. On the  $GL(V)$ -module structure of  $K(n)^*(BV)$  (joint with B. Schuster), *Math. Proc. Cambridge Phil. Soc.* 122 (1997) 73–89 **MR1443587** (98e:55016).
14. On the integral cohomology of wreath products, *J. of Algebra* 198 (1997) 184–239 **MR1482981** (98m:55014).
15. The spectrum of the Chern subring (joint with D. J. Green), *Comm. Math. Helvetici* 73 (1998) 406–426 **MR1633363** (99i:20070).
16. Presentations for subgroups of Artin groups (joint with W. Dicks), *Proc. Amer. Math. Soc.* 127 (1999) 343–348 **MR1605948** (99c:20050).

17. Some free-by-cyclic groups (joint with G. A. Niblo and D. T. Wise), *Groups St. Andrews 1997 in Bath II* London Math. Soc. Lecture Note Series 261, Cambridge University Press (1999) 512–516 **MR1676647** (2000j:20049).
18. Every CW-complex is a classifying space for proper bundles (joint with B. E. A. Nucinkis), *Topology* 40 (2001) 539–550 **MR1838994** (2002c:55022).
19. A torsion projective class for a group algebra, *Bull. London Math. Soc.* 32 (2000) 75–77 **MR1718729** (2000i:19003).
20. On algebraic and geometric dimensions for groups with torsion (joint with N. Brady and B. E. A. Nucinkis), *J. London Math. Soc.* 64 (2001) 489–500 **MR1853466** (2002h:57007).
21. The subring of group cohomology constructed by permutation representations (joint with D. J. Green and B. Schuster), *Proc. Edinburgh Math. Soc.* 45 (2002) 241–253 **MR1884615** (2002m:20087).
22. Asphericity and zero divisors in group algebras, *J. of Algebra* 227 (2000) 362–364 **MR1754235** (2001c:16050).
23. Some remarks concerning degree zero complete cohomology (joint with J. Cornick), *Une Dégustation Topologique: Homotopy Theory in the Swiss Alps* Contemp. Math 265 (2000) 20–25 **MR1803950** (2002a:20057).
24. The Euler class of a Poincaré duality group, *Proc. Edinburgh Math. Soc.* 45 (2002) 421–448 **MR1912650** (2003k:20087).
25. Bounding the orders of finite subgroups (joint with B. E. A. Nucinkis), *Pub. Matemàtiques* 45 (2001) 259–264 **MR1838994** (2002b:20074).
26. Some groups of type  $VF$  (joint with B. E. A. Nucinkis), *Invent. Math.* 151 (2003) 135–165 **MR1943744** (2003k:20086).
27. Classifying spaces for proper actions of locally-finite groups (joint with W. Dicks, P. H. Kropholler and S. Thomas), *J. Group Theory* 5 (2002), 453–480 **MR1931370** (2003g:20064).
28. Some examples of discrete group actions on aspherical manifolds (joint with M. W. Davis), *High-dimensional Manifold Topology (Proceedings of a workshop at the ICTP, June 2001)* World Scientific (2003) 139–150 **MR2048719** (2005f:57050).
29. The  $\ell^2$ -cohomology of Artin groups (joint with M. W. Davis), *J. London Math. Soc.* 68 (2003), 493–510 **MR1994696** (2004f:57002).
30. On classifying spaces for the family of virtually cyclic subgroups (joint with D. Juan-Pineda), *Recent Developments in Algebraic Topology (A conference to celebrate Sam Gitler's 70th birthday)* Contemporary Mathematics 407 (2006) 135–145. **MR2248975** (2007d:19001).
31. Some groups of finite homological type (joint with M. Saadetoğlu), *Geom. Dedicata* 119 (2006), 113–120. **MR2247651** (2007b:20109).
32. On finite subgroups of groups of type  $VF$ , *Geometry and Topology* 9 (2005), 1953–1976 **MR2175161** (2006j:20058).

33. The cohomology of Bestvina-Brady groups (joint with M. Saadetoğlu), *to appear in Groups, Geometry and Dynamics* 21 pages.
34. The  $\ell^2$ -cohomology of hyperplane complements (joint with M. W. Davis and T. Januszkiewicz), *Groups, Geometry and Dynamics* 1 (2007) 301–309 **MR2314047** (2008e:58028).
35. Realising fusion systems (joint with R. Stancu), *Algebra and Number Theory* 1 (2007) 17–34 **MR2322922** (2008f:20030).
36. Infinite groups with fixed point properties (joint with G. Arzhantseva, M. Bridson, T. Januszkiewicz, A. Minasyan and J. Świątkowski), *Geometry and Topology* 13 (2009) 1229–1263 **MR2496045** (2010b:20069).
37. Artin HNN-extensions virtually embed in Artin groups (joint with T. Hsu), *Bull. London Math. Soc.* 40 (2008) 715–719 **MR2441144** (2009j:20047).
38. On groups acting on contractible spaces with stabilizers of prime power order (joint with B. E. A. Nucinkis), *J. Group Theory* 13 (2010) 769–778.
39. Groups possessing extensive hierarchical decompositions (joint with T. Januszkiewicz and P. H. Kropholler), *Bull. London Math. Soc.* 42 (2010) 896–904?
40. Cohomology of hyperplane complements with group ring coefficients (joint with M. W. Davis, T. Januszkiewicz and B. Okun), *to appear in Int. Math. Res. Notices* 7 pages.
41. A metric Kan-Thurston theorem, *submitted* 41 pages.

#### Books edited

1. Geometric and Cohomological Methods in Group Theory (proceedings of a 2003 Durham Symposium), edited jointly with P. H. Kropholler and M. R. Bridson), *London Mathematical Society Lecture Notes vol 358* Cambridge University Press (2009) **MR2640482**.

#### Others

1. The cohomology of certain finite groups, *PhD Thesis, Cambridge 1990* 120 pages.
- 1'. The cohomology of certain groups, *Extended version of PhD Thesis, 1992* 125 pages.
2. The spectrum of the Chern subring (joint with D. J. Green), *Darstellungstheoretage Jena 1996* 47–53 **MR1441084**.
3. Ordinary homology of Bestvina–Brady groups (joint with M. Saadetoğlu), *Oberwolfach Report for meeting 19/2006 Topological and Geometric Methods in Group Theory* 2 pages.
4. Proper actions on acyclic spaces, *Book of conjectures in honour of Guido Mislin, l'Enseignement Mathématique* 2 pages.
5. An infinite Smith group (joint with G. Arzhantseva, M. R. Bridson, T. Januszkiewicz, P. H. Kropholler, A. Minasyan and J. Świątkowski), *Oberwolfach Report for meeting 22/2009 Manifold Perspectives* 2 pages.
6. A metric Kan-Thurston theorem, *Extended abstract for the 2010 Poznan conference 'Group Actions in Topology and Geometric Group Theory'* 2 pages.