

Publications

1. *Groups with cyclic relation module*, Ph.D.-Thesis, University of Oregon, 1992;
2. *Solvable groups with cyclic relation module*, Journal of Pure and Appl. Algebra 90 (1993), 189-198;
3. *Minimal Cockcroft subgroups*, Glasgow Math. Journal 36 (1994), 87-90;
4. *On perfect subgroups of one-relator groups*, in Proceedings of the Workshop on Geometric and Combinatorial Methods in Group Theory, ICMS Edinburgh, 1993, ed. A. Duncan, N. Gilbert, J. Howie, Cambridge University Press 1994;
5. *Higher generation subgroup sets and the virtual cohomological dimension of graph products*, with Holger Meinert, J. London Math. Soc. (2) 53 (1996) 99-117;
6. *Closing the relation gap by direct product stabilization*, Journal of Algebra 182 (1996), 511-521;
7. *Embeddings into efficient groups*, Proc. Edinburgh Math. Soc. (40) (1997), 317-324;
8. *The Geometry of group extentions*, with Y.G.Baik and S.J. Pride, Journal of Group Theory 1 (1998), 395-416;
9. *On the dimension of groups acting on buildings*, Groups St.Andrews 1997 at Bath (ed. C.M. Campbell, E.F. Robertson, N. Ruskuc, G.C. Smith), LMS Lecture Note Series 260, Cambridge University Press;
10. *Some aspects of efficiency*, in Groups-Korea 1998 (ed. Y.G. Baik, D.L. Johnson, A.C. Kim), de Gruyter 2000;

11. *Problems in Low Dimensional Topology*, with C. Hog-Angeloni, W. Metzler, S Rosebrock, in *Kluwer Encyclopedia of Mathematics Supp. II* (ed. Michiel, Hazewinkel), Kluwer Academic Publisher, 2000.
12. *A remark on the polyhedrality theorem for the Σ -invariants of modules over abelian groups*, with R. Bieri, *Math. Proc. Cambridge Phil. Soc.* 131 (2001), no. 1, 39-43;
13. *Generalized knot complements and some aspherical ribbon disc complements*, with S. Rosebrock, *Journal of Knot Theory and its Ramifications*, Vol. 12, No. 7 (2003) 947-962;
14. *The FP_3 -conjecture for metabelian groups*, with R.Bieri, *J. London Math. Soc.* (2) 64 (2001), 595-610;
15. *Homological decision problems for finitely generated groups with solvable word problem*, with W.A.Bogley, *Internat. J. Alg. Comp.* 12 (2002), 213-221.
16. *The Σ^2 -conjecture for metabelian groups: the general case*, with D. Kochloukova, *J. Algebra* 273 (2004), no. 2, 435–454.
17. *On the Σ^3 -conjecture for metabelian groups*, with D.Kochloukova, *J. of the London Math. Soc.* (3) 67 (2003), 609-625;
18. *Improving tameness for metabelian groups*, with W.A.Bogley, *New York J. Math.* 10 (2004), 1-8.
19. *Building Resolutions*, with D.Kochloukova, *Journal of Algebra* 269 (2003), 632-651.
20. *On the homotopy classification of complexes with aspherical fundamental group*, with J. Jensen, *Topology and its Applications*, Vol. 153, Issue 15 (2006), 3000-3006.

21. *Exotic Presentations and Homotopy Types for certain 1-relator groups*, with J. Jensen, Algebraic & Geometric Topology 6 (2006) 3001-3011.
22. *On distinguishing virtual knot groups from knot groups*, with S. Rosebrock, Journal of Knot Theory and Its Ramifications, Vol. 19, No. 5, (2010), 695-704.
23. *On the K-theory and homotopy theory of the Klein bottle group*, with A. Misseldine, Homology, Homotopy and Applications, vol. 12(2) (2010), 1-10.
24. *On primeness of labeled oriented trees*, with S. Rosebrock, Journal of Knot Theory and its Ramifications, Vol. 21, No. 8 (2012).
25. *Hyperbolic alternating virtual link groups*, Groups Geom. Dyn. 6 (2012).
26. *On the Dehn complex of a virtual link*, with R. Byrd, Journal of Knot Theory and its Ramifications, Vol. 22, No. 7 (2013).
27. *Factor groups of Knot and LOT groups*, with R. Gerecke, R. Manheimer, B. Oakley, S. Rahman, REU at BSU 2013, arXiv:1505.06364v1 [math.GR] 23 May 2015.
28. *On the relation gap and relation lifting problem*, in Groups St Andrews 2013 (edited by C. M. Campbell, M. R. Quick, E. F. Robertson, C. M. Roney-Dougall), LMS Lecture Notes Series 422, CUP.
29. *Aspherical word labeled oriented trees and cyclically presented groups*, with S. Rosebrock, Journal of Knot Theory and its Ramifications, Vol. 24, No. 5 (2015).
30. *Injective labeled oriented trees are aspherical*, with S. Rosebrock, submitted.