

Publications:

1. *Hopf Galois Extensions and Integrals*,
Sci. Bull. Ser. A Appl. Math. Phys. 60 (1998), no. 3-4, 37–48.
2. *Three Dimensional Representations of Semisimple Hopf Algebras*,
J. Pure and Appl. Alg. **194** (2004), 303-312.
3. *On some Representations of the Drinfel'd Double*,
J. Alg. **296** (2006) 480-504.
4. *A class of quantum doubles which are ribbon algebras*,
J. Alg. **320** (2008), 2053-2078.
5. *Hochschild cohomology of smash products and rank one Hopf algebras*, (with S. Witherspoon) (in Proceedings of the XVI Coloquio Latinoamericano de Álgebra.) (math.RA/0608762.)
6. *Depth Two Hopf Subalgebras of Semisimple Hopf algebras*,
(with L. Kadison) J. Alg. **322** (2009) 162-176.
7. *Normal Hopf subalgebras of semisimple Hopf Algebras*,
Proc. Amer. Math. Soc. **137** (2009), 3969-3979.
8. *Coset decomposition for semisimple Hopf algebras*,
Commun. Alg. **37**, 10 (2009), 3573 - 3585. (arXiv: 0712.1719.)
9. *On the classification of semisimple Hopf algebras: structure and applications*, "Noncommutative Structures in Mathematics and Physics", S. Caenepeel, J. Fuchs and A. Stolin (eds.), Proc. Royal Flemish Academy of Belgium,, Brussels, 2009, 29-45.
10. *Depth of subgroups and multimatrix algebra inclusions*,
(with L. Kadison and B. Külshammer)
Int. Electr. J. Alg. **9**, (2011), 133-166.
11. *Fusion rings arising from normal Hopf subalgebras*,
(with V. Pasol), (to appear in Alg. Rep. Th.) (arXiv:0903.3817).
12. *Clifford theory for cocentral extensions*,
(to appear Israel Journal of Mathematics)(arXiv:0901.1542.)

13. *On the representation theory of normal Hopf subalgebras*,
to appear, AJSE-Math-D.
14. *On normal Hopf subalgebras of semisimple algebras*,
(to appear in Alg. Rep. Th.)(arXiv:0811.3738.)
15. *Subgroups of depth three and more*,
(with L. Kadison)(to appear in the proceedings of a conference honoring
I. Singer.) (arXiv:0901.3039.)
16. *Categorical Hopf kernels and representations of semisimple Hopf algebras*, (submitted) (arXiv:1010.2096.)
17. *Kernels of representations of semisimple Drinfeld doubles*,
(submitted)(arxiv:1005.2892)
18. *Quantum doubles of rank two pointed Hopf algebras*,
(submitted) (arXiv:0705.3275.)
19. *Kernels of representations and coideal subalgebras of Hopf algebras*,
(submitted) (arXiv:1012.3096.)
20. *On complements and the factorization problem for Hopf algebras*
(submitted)(arXiv:1012.2540)